

StereoReview® PRESENTS

# STEREO

## Buyer's Guide 1999

Thousands of  
**HOME  
THEATER**

And Audio  
**Components**

Shopping Tips!

Features!

Specs! Prices!

DVD Players

A/V Receivers

Speakers

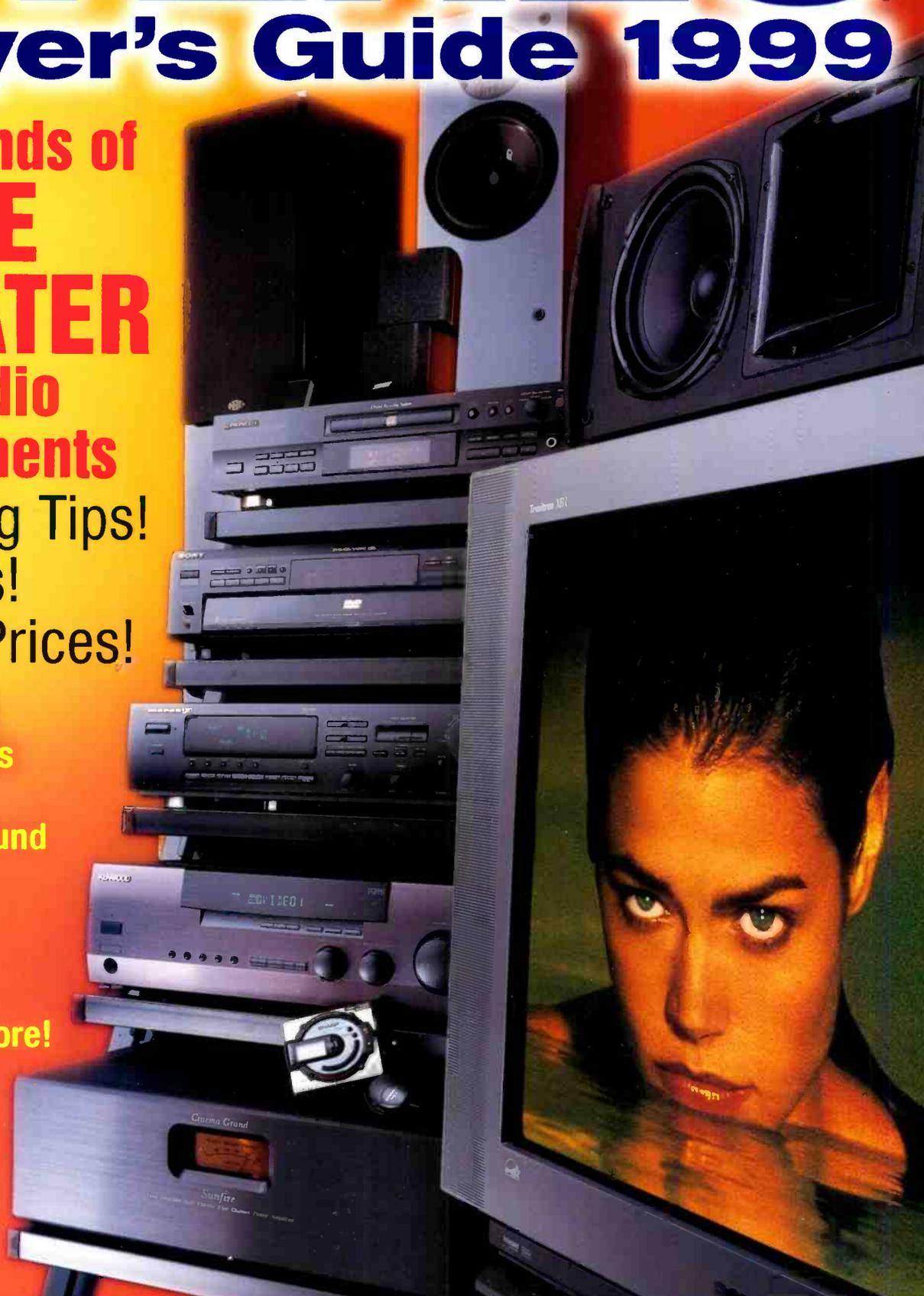
Surround Sound  
Processors

Hi-Fi VCRs

CD Players

Amplifiers

And Much More!



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UK £3.95  
DISPLAY UNTIL 12/22/98



95

Audio shelf system



If I am the  
then I'm going





# The Philips CD Collection

Mix your life and make your own CDs with the Philips ACDR 765 CD recorder—the first dual-deck CD recorder from the inventors of CD technology. Then play your CDs in

CD radio cassette recorder



*director of my own life,  
to do the soundtrack too.*

ACDR 765 dual deck CD recorder



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I've got to admit it's getting better.

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North America Corp.



Personal CD player



# PHILIPS

*Let's make things better.*

# Why Should Your Ears Have All the Fun?

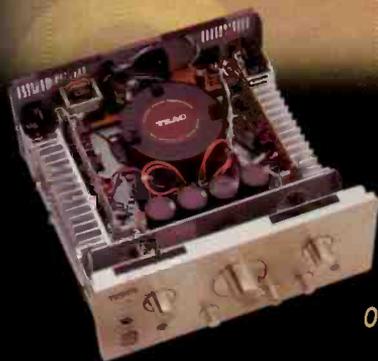


"Many U.S. high end companies could learn a lot about style from a system like this."

Home Theater Buyer's Guide - U.S.A

"This is a very sophisticated system, superbly built...We thoroughly recommend it!"

What Hi Fi? - United Kingdom



*THE REFERENCE 500 SERIES - Eight exquisitely engineered hi-fi components featuring our finest audio technologies. Gold fascias, machined from 10nm thick aluminum, immediately declare the Reference 500 as special. Look Inside and you will find advanced electronics honed to impress even the most discerning audiophile.*

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BOB ANKOSKO  
Editor in Chief

BRIAN FENTON  
Editor

SANTIAGO PIZZINI      ANDREW THOMPSON  
Database Manager      Art Director

DAVID STEIN      DAVID RANADA  
Managing Editor      Technical Editor

MICHAEL GAUGHN      DANIEL MANU  
Senior Editor      Associate Editor

DAN FLINT      JAE SEGARRA  
Assistant Art Director      Assistant Editor

#### Contributors

Rebecca Day, Edward J. Foster, Rich Warren

Senior Project Assistant

Andrew Tarulli

Project Assistants

Sing Chang, Leonne Jean, Ravi Ramjit, Min Wei

TONY CATALANO  
Vice President, Group Publisher

#### CONSUMER ELECTRONICS GROUP ADVERTISING

VP/Associate Publisher  
Scott Constantine

Regional VP/Ad Director, East Coast:  
Charles L. P. Watson, (212) 767-6038

Regional Account Managers, East Coast:  
Christine B. Ead, (212) 767-6025  
Paul C. Smith, (212) 767-6077

Midwest Ad Manager: Jerry Stoeckigt, (312) 923-4804

Regional VP/Ad Director, West Coast:  
Robert Meih, (323) 954-4831

Western Ad Manager: Paula Mayeri, (323) 954-4830

Assistant to the Publisher: Aline J. Pulley

Promotions Manager: Adele Ferraioli-Kalter

Operations Mgr./Ad Coordinator: Linda Neuweiler

Sales Assistant: Yvonne Telesford

Classified Advertising: (800) 445-6066

Production Managers: Mary Lewis and Lynn Scaglione

Production Assistant: Jared Levine

Production Director: Michael Esposito

General Manager: Greg Roperti

Newsstand Sales Director: Megan Jenkins

Director, Circulation Services: Rocco P. Chiappetta

#### GLOBAL ADVERTISING

VP, Aude de Rose, (212) 767-6369  
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President and CEO: David J. Pecker

Executive VP and Editorial Director: Jean-Louis Ginibre

Senior Vice President, COO: John Fennell

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VP, Corporate Compliance: Carlo A. Boccia

VP, Business Development: Raymond Dreyfus

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**ON THE COVER** Clockwise from top left: NHT Super Two tower speakers, Bose Acoustimass 15 satellite speaker "cubes," Klipsch KSF-C5 center speaker, Sony KV-32XBR200 32-inch TV, Sunfire Cinema Grand power amplifier, Sharp MD-MS702 portable MiniDisc recorder (with headphones), Kenwood VR-209 A/V receiver, Marantz AV-550 Dolby Digital preamp/tuner, Sony DVP-C600D DVD changer, and Pioneer PDR-555RW CD recorder. The equipment rack is a Bell'Oggetti AR-880. Photo by Dave Slagle. Image from *Wild Things* courtesy Columbia TriStar.

# When was the last time your speakers made you look twice?



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Gekko™ Flat Speakers, a visual revolution in sound technology.

Gekko™ Flat Speakers deliver the most advanced sound wave technology in a revolutionary design that will make you look (and listen) twice.

Gekko Flat Speakers are remarkably thin (less than two inches thick) and ideal for wall mounting. This means

that music is carried at ear level, not foot level. Plus, patented Sweet Space™ technology spreads sound out to every space in the room. Whether for home theater or music enthusiasts, Gekko Flat Speakers disperse sound waves evenly so everyone everywhere can appreciate superior sound.

And, Gekko Flat Speakers don't only sound great, they also look great. The ArtGekko™ Collection provides top-quality art prints and specialty frames that cover your speaker. Now your musical taste and artistic vision are blended in one speaker that offers a truly multi-sensory experience.

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NCT Audio Products, Inc. One Dock Street, Suite #300, Stamford, CT 06902

# How to Use This Guide

Welcome to *Stereo Review's* 1999 edition of the world's most comprehensive guide to audio and home-theater products. Thinking about getting one of the hot new DVD players? Turn the page for the basics of what you need to know, and then browse the listings of the more than 50 players on the market under 31 brand names.

We give the same treatment to all kinds of audio and home-theater products — nearly 6,000 in all — from CD players and tuners to audio/video receivers and hi-fi VCRs. We also look at preamplifiers, power amplifiers, headphones ... even phono equipment. And speakers! We've devoted more than 80 pages to speakers alone.

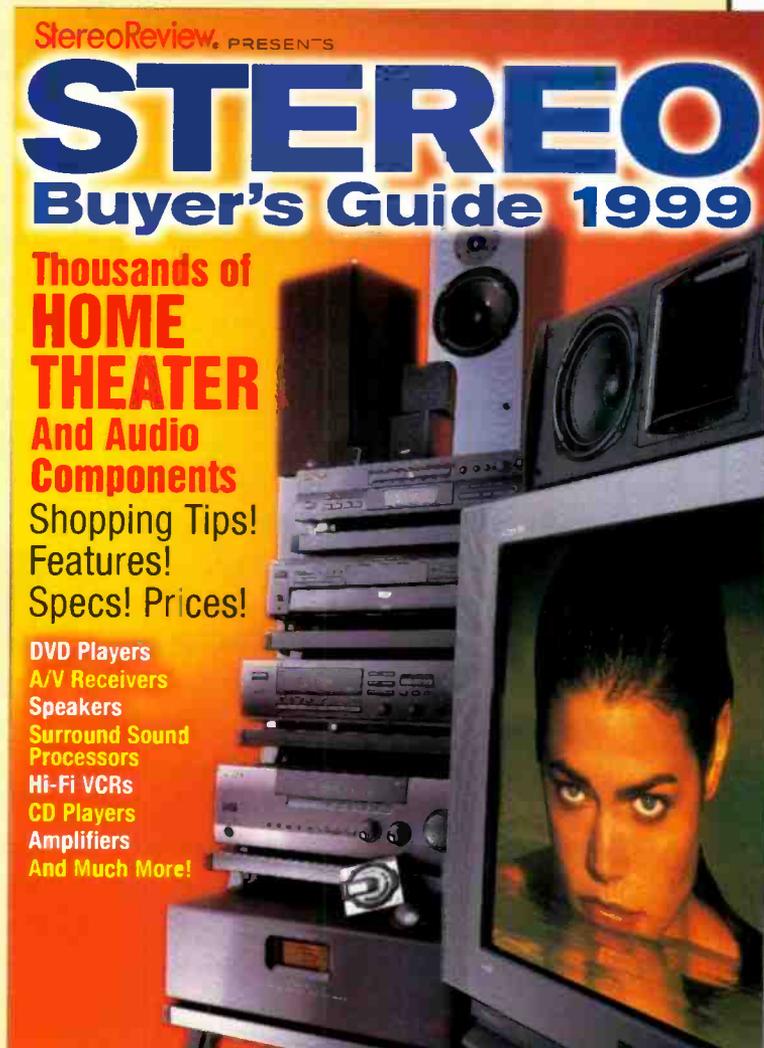
No system is complete without a few additions. Rather than a simple list of products, we present an overview of the kinds of accessories available and how they can make your system better. Turn to page 106.

It would be impossible for even the editors of *Stereo Review* to test all of this equipment or to come up with the specifications and descriptions in our listings, which is why we ask the manufacturers to supply this information for their products. If key specifications or features are missing, it is because the manufacturer did not provide them.

We've also listed the addresses, phone numbers, and Web addresses of the manufacturers so that you can get additional information direct from the source. The Directory of Manufacturers begins on page 233.

As you read our guide, you are likely to encounter terms or abbreviations that are unfamiliar even after reading the short introduction to each section. For a crash course on audio/video terminology, see the glossary beginning on page 243.

Now turn the page and let the search begin!



**StereoReview**. PRESENTS  
**STEREO**  
**Buyer's Guide 1999**

**Thousands of  
HOME  
THEATER  
And Audio  
Components**  
Shopping Tips!  
Features!  
Specs! Prices!

DVD Players  
A/V Receivers  
Speakers  
Surround Sound  
Processors  
Hi-Fi VCRs  
CD Players  
Amplifiers  
And Much More!

# DVD Players

*If you want a terrific picture and great sound,  
DVD is the way to go*

DVD players are among the newest home-theater components — this is only the second year they've been listed in the *Stereo Buyer's Guide* — but they've quickly won the hearts of videophiles thanks to the benefits of the fully digital medium. What benefits? First, DVD delivers better video quality than any previous format. Second, it offers 5.1-channel digital surround sound that can make your home theater as exciting as the best movie theaters.



**SONY DVP-S7700**

DVDs are reasonably inexpensive and, even better, many players are competitively priced, starting at less than \$400.

Before you compare DVD-player features, consider what's common to all of them. First, they can also play audio CDs, so you don't need two machines. They deliver video to a monitor in either the standard pan-and-scan format (4:3 aspect ratio) or in the widescreen (anamorphic) format that's an option for many DVD movies. DVD players have virtually perfect freeze-frame capability. All provide on-screen menus for setup and display the cursor-navigated, remote-controlled interactive menus featured on most discs. DVD players can also select alternative soundtracks if they're on the disc — usually foreign-language dialogue.

Subtitles are also carried on many DVD movies, and all players will let you view them. (Up to 32 languages can be supported by the DVD format, but the number on any disc is typically far less.) All players are also compatible with the DVD format's multiple-camera-angle option, which lets you choose among several alternate views of a scene if they're on the disc (a feature rarely used so far). Virtually all DVD players incorporate a "parental control" option that lets you password-protect movie discs.

While all DVD players supply both composite-video and S-video signals, some also include a higher-quality component-video (or RGB) output, which is important only if you own or plan to buy a TV or video projector that has a compatible input.

All DVD players can deliver two-channel analog audio to their stereo (RCA-jack) outputs from both DVDs and CDs, so even if you don't have a surround-sound audio setup, you can still enjoy movie soundtracks in high-quality stereo. And if you have a Dolby Pro Logic system, you can expect excellent Pro Logic surround sound. But if you want to experience the superb quality of the 5.1-channel Dolby Digital (DD) soundtracks on most (not all) DVDs, you'll need a DD surround-sound processor, which decodes the digital bitstream and supplies the appropriate signals for the left, center, and right front speakers, the left and right surround speakers, and a subwoofer for the bass-dedicated ".1" channel. If a player doesn't have a built-in decoder (most don't), you'd have to feed its digital output to an A/V receiver with DD processing or to a stand-alone DD decoder. DVD players can have two types of digital connectors, optical or coaxial (which uses an RCA-type jack), so make sure the processor you plan on using has a compatible input. Although Dolby Digital is the standard sound format for DVD, discs containing a different 5.1-channel digital audio format called DTS (in addition to a standard Dolby Surround soundtrack) may become available in the future, and these will require yet another kind of decoder.

The current DVD-Video standard includes an option for two-channel digital audio recorded in a high-resolution format that uses a 96-kHz sampling rate (roughly twice that of CD) and a 24-



**RCA RC5510P**

bit "word length," which theoretically offers a substantial dynamic-range advantage over a standard CD's 16-bit encoding. Many, but not all, DVD players can play audio discs recorded in this "enhanced" stereo format. Finally, some players are compatible with a new pay-per-view variant of DVD called Divx. If pay-per-view discs appeal to you, be sure to look for that feature.

Good movies, great sound, excellent video performance — what are you waiting for?

— Brian Fenton



# First we made it possible. Then we made it portable.

## Panasonic brings you the PalmTheater™

portable DVD player. It's the world's first portable DVD theater.

Video Magazine recently said, "Panasonic's D/D-L10 is without doubt the must-have cool gadget of 1998."

Our four home decks are also technical knockouts. Whether you're looking for component video out, dts digital out, virtual surround sound and more, we've got a deck for you.\* Audio Magazine said our A310 was "on measurement after measurement unprecedentedly good."

At home or on the road, Panasonic gives you the ultimate DVD experience. Panasonic DVD.

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10-bit  
video  
DAC

Apollo 13  
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Dolby Digital is a registered trademark of Dolby Laboratories, Licensing Corp.  
DTS is a registered trademark of Digital Theater Systems, Inc.  
Picture simulated. \*Not all features on all decks.  
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Panasonic 10101010101000010101101001010101010011000  
just slightly ahead of our time®

# DVD Players

All DVD players listed include a remote control and support base-level DVD features including variable bit-rate conversion and up to 8 sound-track languages and 32 subtitle languages. All have composite-video outputs. All can also play audio CDs.

## AIWA

### XD-DV500 DVD Player

Dolby Digital decoder. Time search. Silver. 14 1/2 x 3 3/4 x 11 1/4 in; 10 lb .....\$850

## CALIFORNIA AUDIO LABS

### CL-25 DVD Player

20-bit D/A converter. Plays DVDs with 96-kHz/24-bit audio, HDCDs, and video CDs. Component-video and RGB-video outputs; RS-232 digital interface. 17 x 5 x 15 1/4 in; 20 lb .....\$2,995

CL-20. As above without component- or RGB-video output stage. 17 x 5 x 15 1/4 in; 20 lb .....\$2,495

## CAMELOT TECHNOLOGY

### The Round Table DVD Player

24-bit D/A converter. Plays DVDs with 96-kHz/24-bit audio, laserdiscs, and CD-Rs. DTS-compatible. Component-video output; 1 AES/EBU and 2 I<sup>2</sup>S digital inputs and outputs; 1 audio output .....\$2,995

## CONRAD-JOHNSON

### Premier 17 DP DVD Player

Plays DVDs with 96-kHz/24-bit audio. Champagne-gold aluminum front panel. 3-yr warranty .....\$6,995

## DENON

### DVD-5000 DVD Player

MDCD decoder. Dual optical pickups. Plays DVDs with 96-kHz/24-bit audio. DTS-compatible; virtual surround sound .....\$2,500

### DVD-3000 DVD Player

24-bit D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs. Dolby Digital decoder; DTS-compatible; virtual surround sound. 2 component-video outputs; 1 audio output; coaxial and optical digital outputs. Auto power/standby. Black .....\$899

## FAROUDJA

### DV1000 DVD Player

10-bit video and 20-bit audio D/A converters. 50-dB jitter reduction; enhanced error correction; DTS ready. XLR, ST-glass, and coaxial and optical digital outputs; 2 analog audio outputs; component-video and RGB-video outputs .....\$5,495

## HARMAN KARDON

### Signature 3.0 DVD Player

10-bit video D/A converter. Plays DVDs with 96-kHz/24-bit audio. DTS-compatible. Component-video output; optical and coaxial digital audio output; RS-232 digital interface. Customer-profile memory function. Black anodized aluminum .....\$1,799

## JVC

### XV-D2000BK DVD Player

Plays DVDs with 96-kHz/20-bit audio, video CDs. Coaxial and optical digital outputs; headphone jack with volume control. Universal remote control. Black .....\$1,000

## KENWOOD

### DV-203 DVD Player

10-bit video and 24-bit audio D/A converter. 8X-oversampling digital filter; 3rd-order noise shaping; twin-focus laser pickup; video noise reduction; DTS-compatible. 1 component-video and 2 composite-video outputs; coaxial and optical digital

outputs; system remote control output. CD text: 15-character dot-matrix status display; 5-scene memory; jog control on unit .....\$NA

## MARANTZ

### DVD-930 DVD Player

10-bit D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs; DTS-compatible. Enhanced black-level mode. Component-video output; 5 audio outputs; headphone output. Preprogrammed remote control. Black. 17 x 2 1/2 x 11 in .....\$849

### DVD-930 DVD Player

10-bit video and 18-bit audio D/A converter. Enhanced black-level mode. 4 audio outputs; headphone output. 3 play speeds; preprogrammed remote control. Black. 17 1/4 x 3 1/2 x 11 1/4 in .....\$699

## MERIDIAN

### Model 586.2 DVD Player

Five 10-bit video and two 20-bit audio D/A converters. Plays video CDs. Dual optical pickups; video noise reduction; detail enhancement; enhanced black-level mode. 1 component-video output, 1 S-video output, and 1 composite-video output; 1 coaxial digital output; headphone output; RS-232 port. Universal remote control with skip and scan functions. Includes Meridian system cable. Black finish. 3 1/2 x 12 1/2 x 13 1/4 in; 25 lb .....\$3,995

## MITSUBISHI

### DD-2000 DVD Player

10-bit D/A converter. Component-video output; 2 analog audio outputs. Video black-level control. Black finish. 17 x 3 1/2 x 12 1/2 in; 8 lb .....\$799

## MUSE

### Model Eight DVD Player

Plays DVDs with 96-kHz/24-bit audio and CD-R discs. Master/slave interface capability. Component-video output. Silver or black front panel. 3-yr warranty. 17 1/2 x 3 1/2 x 11 in; 20 lb .....\$3,500

## ONKYO

### DV-S501 DVD Player

10-bit video D/A converter. Plays DVDs with 96-kHz/20-bit audio. 4X picture magnification; brushed-aluminum front panel. Optical digital output; headphone jack. Video black-level control; jog/shuttle control; display dimmer. Black. 17 1/2 x 4 1/4 x 12 in .....\$800

## PANASONIC

### DVD-L10 Portable DVD Player

10-bit video and 24-bit audio D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs. 5.8-in LCD monitor; 2-hr play on supplied Ni-MH battery; virtual surround sound; built-in speakers. A/V minijack; optical audio minijack; headphone jack with volume control. 5-speed smooth motion for scan and slow; auto power-off. Includes AC adapter and charger. 2 lb .....\$1,400

### DVD-K510 DVD Player

10-bit video and 24-bit audio D/A converter. Plays DVDs with 96-kHz/24-bit audio; DTS-compatible. Dolby Digital karaoke; virtual surround sound; dual-focus optical pickup; built-in Dolby Digital decoder. Component-video output; coaxial and optical digital output; dual A/V output jacks; headphone jack with volume control; two mic inputs with separate volume controls. 5-speed smooth motion for scan and slow, forward and reverse; scrolling text; auto power-off. 8 lb .....\$850

### DVD-A310 DVD Player

10-bit video and 24-bit audio D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs. DTS-compatible; virtual surround sound; dual-focus optical pickup; precise focus and rapid access. Com-

ponent-video outputs; jack with volume control. 5-speed smooth motion for scan and slow, forward and reverse; scrolling text; auto power-off; shuttle dial on unit; remote control with joystick. 8 lb .....\$700

### DVD-A110 DVD Player

10-bit video can 24-bit audio D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs. DTS-compatible; virtual surround sound; dual-focus optical pickup. Coaxial and optical digital output; dual A/V output jacks; headphone jack with volume control. 5-speed smooth motion for scan and slow, forward and reverse; scrolling text; auto power-off; remote with joystick control. 8 lb .....\$500

## PHILIPS

### DVD 855AT DVD Player

10-bit video and 24-bit audio D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs, and DVD-R discs. DTS-compatible; 3 play speeds; dual-lens optical pickup; built-in Dolby Digital decoder. Gold-plated outputs; headphone jack with volume control. Digital zoom; graphic bit-rate display; screen saver; backlit remote with jog/shuttle control. Black brushed-metal finish. 17 x 3 1/4 x 12 in; 8 lb .....\$599

## PHILIPS MAGNAVOX

### DVD 850AT DVD Player

10-bit D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs. DTS-compatible; 3 play speeds; dual-lens optical pickup; built-in Dolby Digital decoder. Gold-plated composite-video, component-video, and S-video outputs; gold-plated coaxial and optical digital outputs; gold-plated 6-channel analog output; headphone jack with volume control. Bit-rate display; remote confirm; remote locator; jog/shuttle control on remote; screen saver .....\$549

### DVD 815AT DVD Player

10-bit D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs. DTS-compatible; 3 play speeds; dual-lens optical pickup. Component-video output; coaxial digital output; headphone jack with volume control. Bit-rate display; screen saver; 3-D sound mode. Black. 17 x 3 1/4 x 12 in; 8 lb .....\$449

### DVD 405AT DVD Player

10-bit D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs. 3 play speeds; dual-lens optical pickup. Coaxial digital output; headphone jack with volume control. Bit-rate display; 3-D sound mode; remote confirm; screen saver. Black. 14 1/2 x 3 1/4 x 12 in; 7 lb .....\$399

## PIONEER

### Elite DV-09 DVD Player

10-bit video and 24-bit D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs. DTS-compatible. 2 composite-video outputs, 2 S-video outputs, and one component-video output; 2 coaxial and 1 optical digital outputs. Glossy Urushi black finish. 14 1/2 x 5 1/4 x 18 1/4 in; 19 lb .....\$2,000

### DVL-91 DVD/Laserdisc Player

10-bit video and 20-bit audio D/A converter. Plays DVDs with 96-kHz/24-bit audio, CD-Rs, CD-RWs, and laserdiscs. DTS-compatible. 1 component-video, 2 composite-video, and 2 S-video outputs; coaxial and optical digital outputs. Black. 16 1/2 x 5 1/2 x 18 1/4 in; 20 lb .....\$1,800

### DVL-909 DVD/Laserdisc Player

10-bit video and 20-bit D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs, CD-Rs, CD-RWs, and laserdiscs. 1 component-video and 2 S-video outputs; 2 analog RCA outputs. Black. 16 1/2 x 5 1/4 x 18 1/4 in; 19 lb .....\$1,055

### DV-606D DVD Player

10-bit video and 24-bit audio D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs, and

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SPEEDWAY**

**INCLUDES:**

***THE MAKING OF  
SUPER SPEEDWAY***

***Available on***

***LaserDisc***

***DTS LaserDisc***

***and DVD***



Openwheel



# DVD Players

CD-RWs; DTS-compatible. Built-in Dolby Digital decoding. 1 component-video, 2 composite-video, and 2 S-video outputs; optical and coaxial digital output. 16½ x 4½ x 11½ in; 7 lb .....\$599

## DV-505 DVD Player

10-bit video and 20-bit audio D/A converter. Plays DVDs with 96-kHz/24-bit audio and video CDs. 2 composite-video and 2 S-video outputs; 2 analog outputs. Black. 16½ x 4½ x 11½ in; 6 lb .....\$399

## PROCEED

### MDT DVD Transport

Component-video output; coaxial RCA or BNC digital output; AES/EBU digital output. Silver/charcoal. 5-yr transferable warranty .....\$5,000

## PROSCAN

### PS8600P DVD Player

9-bit video and 20-bit audio D/A converters. 2 play speeds; built-in Dolby Digital decoder. Coaxial digital output; 2 analog audio outputs; gold-plated terminals; headphone jack. Audible search; backlit universal remote control with jog/shuttle dial. 16 x 3 x 12 in .....\$699

### PS8610P DVD Player

10-bit D/A converter. DTS ready; built-in Dolby Digital decoder. 2 coaxial digital audio outputs; 2 A/V outputs; 1 component-video output; 6-channel audio output; gold-plated jacks. Backlit remote control. Gray. 15½ x 2½ x 11½ in; 7 lb .....\$699

## RCA

### RC5500P DVD Player

9-bit video and 20-bit audio D/A converters. 2 play speeds; digital special effects; Dolby Digital decoder. Coaxial digital output; 2 analog audio outputs; headphone jack. Audible search; universal remote with jog/shuttle controls. 16 x 3 x 12 in .....\$699

**RC5200P.** As above without jog/shuttle controls or Dolby Digital decoder .....\$499

### RC5510P DVD Player

10-bit D/A converter. DTS ready; built-in Dolby Digital decoder. 2 coaxial digital audio outputs; 2 A/V outputs; 1 component-video output. Black. 15½ x 2½ x 11½ in; 7 lb .....\$599

### RC5210P DVD Player

10-bit D/A converter. Coaxial digital audio output; headphone jack. Black. 15½ x 2½ x 11½ in; 7 lb .....\$499

### RC5230Z DVD/Divx Player

Plays Divx pay-per-view discs; plays DVDs with 96-kHz/24-bit audio; plays CD-Rs. Optical digital audio output; headphone jack. Black. 15½ x 2½ x 11½ in; 7 lb .....\$499

## REVOX

### B23/Emotion DVD Player

10-bit Sigma-delta D/A converter. Plays DVDs with 96-kHz/24-bit audio. Dual-lens optical pickup. Component-video output. Brushed aluminum or black anodized. 17½ x 2½ x 14½ in; 24 lb .....\$3,500

## SAMSUNG

### DVD927 DVD Player

10-bit video D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs. Built-in Dolby Digital decoder; enhanced analog audio and video circuitry. 1 component-video output; 1 S-video output; 2 composite-video outputs; 2 analog audio outputs; coaxial and optical digital outputs. Preprogrammed universal remote control with illuminated keys. Time search. Black steel/anodized-aluminum chassis. 4¼ x 13½ x 16½ in; 12 lb .....\$499

**DVD907.** As DVD927 without enhanced analog audio or video circuitry, chassis not steel/anodized aluminum. 3¼ x 17 x 20½ in .....\$449

## SHARP

### DV-550U DVD Player

10-bit video D/A converter. Plays video CDs. Digital Gamma correction; Dolby Digital decoding; Dolby Pro Logic decoding; Q Sound virtual surround. Component-video output; coaxial and optical digital outputs. 17 x 5 x 21 in; 9 lb .....\$750

## SONIC FRONTIERS

### DVD-1 DVD Player

24-bit D/A converter. Plays DVDs with 96-kHz/24-bit audio, CD-Rs. Component-video output; XLR and RCA audio outputs. 5 yr parts-and-labor warranty. 19 x 5¼ x 13 in; 25 lb .....\$3,999

## SONY

### DVP-S7700

10-bit video and Current Pulse D/A converters. Plays DVDs with 96-kHz/24-bit audio, video CDs. DTS-compatible. Dual optical pickups; Full Feed Forward audio digital filter; component-video output; coaxial and optical digital outputs; headphone jack with volume control; S-link interface. DVD/CD Text display; video bit-rate meter. Black aluminum finish. 17 x 4½ x 15½ in; 11 lb .....\$899

### DVP-C600D DVD Player

5-disc changer. 10-bit video and 24-bit audio D/A converters. Plays DVDs with 96-kHz/24-bit audio and video CDs. Dual optical pickups; Dolby Digital decoder; variable-coefficient digital filter; virtual surround sound. 1 component-video, 2 composite-video, and 2 S-video outputs; coaxial and optical digital outputs; headphone jack with volume control; S-link interface. DVD/CD Text display; video bit-rate meter; screen saver; multibrand remote with glow-in-dark keys. Black or brushed aluminum. 17 x 5 x 15½ in; 11 lb .....\$899

### DVP-S500D DVD Player

10-bit video and 24-bit audio D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs. Dual optical pickups; Dolby Digital decoder; variable-coefficient digital filter; enhanced virtual surround sound. 1 component-video, 2 composite-video, and 2 S-video outputs; coaxial and optical digital outputs; 1 headphone jack with volume control; S-link interface. Video bit-rate meter; screen saver; multibrand remote with glow-in-dark keys. Black or brushed aluminum. 17 x 3½ x 12¼ in; 9 lb .....\$699

### DVP-S300 DVD Player

10-bit video and 24-bit audio D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs. Dual optical pickups. 2 composite-video and 2 S-video output; optical and coaxial digital outputs; 1 headphone jack with volume control; S-link interface. Smoothscan picture search; jog/shuttle dial; video bit-rate meter; screen saver. Black or brushed aluminum. 17 x 3½ x 12¼ in; 9 lb .....\$599

## THETA DIGITAL

### Voyager Universal Transport DVD Player

Plays DVDs with 96-kHz/24-bit audio, laserdiscs, video CDs, and CDVs. DTS-compatible. 1 component-video, 2 composite-video, and 2 S-video outputs; RCA, BNC, and AES/EBU digital outputs; optical digital output optional. Black or silver. 19 x 7¼ x 20 in; 52 lb .....\$6,500

### DaVID DVD Player

Plays DVDs with 96-kHz/24-bit audio, video CDs. DTS-compatible. 1 component-video, 2 composite-video, and 2 S-video outputs; RCA, BNC, and AES/EBU digital outputs. Black or silver. 19 x 3½ x 16½ in; 25 lb .....\$4,500

## TOSHIBA

### SD7108 DVD Player

10-bit video and 24-bit audio D/A converter. Plays DVDs with 96-kHz/24-bit audio, CD-Rs, and video

CDs. DTS-compatible; advanced jitter-reduction circuit; video black-level expander circuitry; 3-D noise reduction; Spatializer N-2-2 virtual surround sound for use with 2 speakers or headphones. Component-video output; progressive-scan output; coaxial and optical digital outputs; 2 analog audio output; headphone jack. 25-sector zoom; fluorescent display; screen saver; bit-rate display; backlit preprogrammed universal remote with jog/shuttle control. Dark gray. 17 x 3¼ x 12½ in .....\$1,199

### SD3108 DVD Player

10-bit video and 24-bit audio D/A converter. Plays DVDs with 96-kHz/24-bit audio, CD-Rs, and video CDs. DTS-compatible; jitter reduction; video black-level expander circuitry; 3-D noise reduction; Spatializer N-2-2 virtual surround sound for use with 2 speakers or headphones. Component-video output; coaxial and optical digital outputs; 2 analog audio outputs; headphone jack. 25-sector zoom; bit-rate meter; fluorescent display; karaoke vocal; time search; screen saver; backlit preprogrammed universal remote with jog/shuttle control. Dark gray. 17 x 3¼ x 12½ in; 10 lb .....\$799

### SD2108 DVD Player

10-bit video and 24-bit audio D/A converter. Plays DVDs with 96-kHz/24-bit audio, CD-Rs; DTS-compatible. Video black-level expander circuitry; Spatializer N-2-2 virtual surround sound. Component-video output; coaxial and optical digital outputs; 2 analog audio outputs. 25-sector zoom; fluorescent display; remote confirmation; screen saver; bit-rate meter. Dark gray. 17 x 3¼ x 12½ in .....\$599

### SD2008 DVD Player

10-bit video and 24-bit audio D/A converter. Plays DVDs with 96-kHz/24-bit audio and CD-R. Video black-level expander circuitry; Spatializer N-2-2 virtual surround sound. Dolby Digital output; coaxial digital output. 25-sector zoom; fluorescent display; screen saver; bit-rate meter. Dark gray. 17 x 3¼ x 12½ in; 9 lb .....\$499

## VAC

### DVD-1 DVD Player

24-bit D/A converter. Plays DVDs with 96-kHz/24-bit audio. HDCD decoding; nonmagnetic chassis. Component-video output; coaxial and optical digital outputs. Powder-coat finish standard; available in custom colors, wood, or leather. 5-yr warranty. 20½ x 7¼ x 16¼ in; 26 lb .....\$8,490

## YAMAHA

### DVD-C900GL 5-Disc DVD Changer

5-disc changer. 10-bit video and 24-bit audio D/A converter. Plays DVD 96-kHz/24-bit audio, video CDs. DTS-compatible; play exchange; aluminum front panel; input/output port for custom installation; built-in Dolby Digital decoder. Component-video output; 2 analog audio outputs; 1 optical digital output. Gold. 17½ x 4 x 15½ in .....\$1,399

**DVD-C900.** As above, black .....\$1,199

### DVD-S700 DVD Player

10-bit video and 24-bit audio D/A converter. Plays DVDs with 96-kHz/24-bit audio, video CDs. Built-in Dolby Digital decoder; DTS-compatible. 1 component-video, 2 composite-video, and 2 S-video outputs; coaxial and optical digital outputs. Black-aluminum front panel .....\$799

## ZENITH

### DVX2100 DVD/Divx Player

9-bit video D/A converter. Plays DVDs with 96-kHz/24-bit audio, Divx pay-per-view discs; MPEG-1 and MPEG-2 video decoders; built-in modem for billing and promotional messages; 2 composite-video outputs; 1 S-video output; optical and coaxial digital outputs. Preprogrammed remote control with skip and scan functions. Time search. Includes 25-ft phone cord and phone-jack doubler. Dark gray finish. 3¼ x 15½ x 12½ in; 9 lb .....\$499

SONY

# THIS CHANGES EVERYTHING

NOW PREMIERING: THE WORLD'S FIRST FIVE-DISC DVD/CD CHANGER.

The new Sony DVP-C600D lets you enjoy Sony "reference standard" performance for movies and music.

The DVP-C600D has the same 10-bit video D/A converter, Dual Discrete optical pick-up and Smooth Scan picture search found in our finest DVD players. It also features component video output and built-in Dolby Digital decoding with exclusive Digital Cinema Sound processing. And for even more versatility, the DVP-C600D allows you to control a Sony Megastorage™ CD changer!

Once again, Sony is changing the home entertainment experience.



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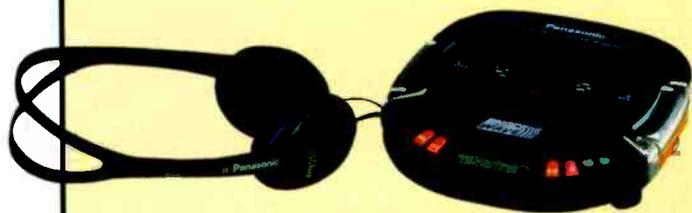
# CD Components

## *Players, changers, transports, and digital-to-analog converters*

The compact disc has earned its status as the world's primary music medium. Its combination of superb sound quality, immunity to wear in normal use, and portability give it a great advantage over LPs and tapes. Accordingly, a CD player is the main music source in most of today's stereo systems.

CD players come in almost as many varieties as Baskin-Robbins ice cream, ranging from portables to single-disc home players to five- or six-disc carousel changers to megachangers that store up to 300 discs. You can also choose to buy the two basic portions of the CD player, the transport and the digital-to-analog (D/A) converter, as separate components, much like a separate preamplifier and power amplifier. No matter which type of player or transport you choose, it should be reasonably shock resistant and be able to play through a moderately dirty or scratched disc without skipping or muting. Check a player's shock resistance in the store by tapping on its top and sides. If you have any slightly damaged discs, take them along as well to check for playback robustness.

When the LP ruled, turntables were king, and music lovers rhapsodized and agonized over the choice of a phonograph cartridge. The cartridge wielded great influence over the sound of the system, and even first-time buyers could discern sonic differences between cartridges. CD players present a greater challenge, because sonic differences tend to be subtle. Only concen-



**PANASONIC SL-SW505 PORTABLE CD PLAYER**

trated listening under controlled circumstances (playing the same CDs through the same system using precisely matched levels) can consistently reveal that one CD player sounds different from another. Don't be surprised if you can't easily hear any differences among many players.

In our guide you'll see a slew of different digital-to-analog (D/A) converters mentioned, such as 1-bit, Bitstream, hybrid-pulse, high-density linear, MASH, and 16- and 18-bit. Each of

these technologies, when properly used, can yield superb sound. Laboratory measurements may show slight differences among players, but more than likely any differences will not stem from the kind of D/A converter used but from how well the design is implemented and the quality of the related circuitry.



**SONY CDP-CX70ES 200-DISC CHANGER**

Single-disc players are becoming an endangered species. While LP changers sacrificed performance and brutalized records, CD changers cause minimal, if any, compromise. You'll find most single-disc players at the very low and very high ends of the price spectrum, with a limited number of models sprinkled in between. Perhaps the biggest advantage of a single-disc player is that it can be a bit quicker and easier to load and unload a single disc. The high-end single-disc models also provide a sturdier, more refined transport mechanism than changers.

The carousel-style changer is the reigning star of CD players. Carousels vanquished the magazine- or cartridge-style six- and ten-disc changers, and only a few of those remain on the home market, although they dominate the automotive market. Most carousels can hold five discs, a few six discs. Nearly all load using a large, motorized drawer. The mechanism removes a selected disc from the drawer for play so that you can change most of the other loaded discs while listening to one.

A megachanger might enable you to store your entire CD collection in the player, depending on how many discs you have. Capacity ranges from 50 to 300 discs. Many megachangers can be coupled or daisy-chained to increase capacity. To cope with that many discs, most manufacturers permit grouping the CDs in categories — according to music type or family member, say — and provide a book in which to store the CD inserts. Many of the pricier models let you enter a CD's title in memory for display on the front panel.

— Rich Warren

# It Even Makes the Popcorn.

**MAX 2000**  
PROGRAMMABLE POWER CONTROL SYSTEM™

120V IIII  
HOT BUTTERED

Upon entering your home theater, you push a single button...



The recessed lights turn on and then dim. Your components power up, one by one. The screen descends. Background music sets the mood.

As you settle in your chair and the movie begins, you sense the aroma of fresh popcorn. You think to yourself – “hey! this is cool!”

Introducing the breakthrough technology of the incredible Max® 2000.

The only Programmable Power Control System that can perform a variety of functions to enhance your audio/video experience. First, it's the highest quality surge protection available, providing a clean operating environment and constantly monitoring incoming power.

Second, enhanced noise reduction and line conditioning allow your valuable components to give you the best picture and sound possible. And finally, the



Max 2000's fully programmable outlets and relays allow the total automation of a home theater system from one spot.

Current sensing outlets, voltage sense connections and a master switch can all trigger on/off sequencing for the individual outlets and outlet banks. Infrared remote signals can be programmed to trigger various system functions such as volume, lighting and screen control. The Max 2000 even includes switchable 12V output for devices that require it.

Panamax offers the ultimate in component protection for any size system.



When you buy Panamax, You buy confidence. Over 23 years of experience goes into

every Panamax power protector and establishes the standard to which all others aspire. Panamax is your best answer to a complete line of full-featured component protection.



So ask your dealer about the incredible Max 2000 and then decide for yourself – buttered or unbuttered?

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Plug into Panamax – [www.panamax.com](http://www.panamax.com) (800) 472-5555

# CD Components

## ACCUPHASE

### DC-91 D/A Converter

20-bit D/A converter. HPC and Toslink digital inputs; HPC XLR digital input; coaxial digital inputs; RCA and XLR analog outputs. Phase switch; output-level control. THD 0.002% from 20 Hz-20 kHz; S/N 120 dB. 18 1/4 x 5 1/2 x 15 in; 50 lb .....\$13,995

### DP-75 CD Player

20-bit D/A converter. Double-heterodyne-diode laser pickup; 3-pole discrete analog filter; balanced drive circuitry for servo motors; digital CD-mechanism control; 8 DACs per channel; locking transport tray. Optical and coaxial digital inputs and outputs; coaxial-BNC digital input; RCA output. Digital level control; track search; track/time displays; remote control. FR 4 Hz-20 kHz  $\pm 3$  dB; THD 0.0024% from 20 Hz-20 kHz; S/N 120 dB; dynamic range 98 dB; ch sep 110 dB. 18 1/4 x 5 1/2 x 15 1/2 in; 43 lb .....\$9,995

### DP-90 CD Transport

Double-heterodyne-diode laser pickup; locking transport tray. Coaxial and optical digital outputs; digital output. Track search; track/time displays; remote control. 18 1/4 x 5 1/2 x 15 in; 45 lb ....\$7,495

### DC-61 D/A Converter

20-bit D/A converter. Multiple Bit-type D/A converter; high-precision sampling frequency converter; 20-bit linearity; 4-pole analog filter. 2 optical, 1 BNC, 2 coaxial, 2 optical record, 2 coaxial record digital inputs. Remote control. FR 4 Hz-20 kHz  $\pm 0.3$  dB; THD 0.0024%; S/N 120 dBA; dynamic range 98 dB. Brushed-aluminum finish. 19 x 5 1/2 x 16 in; 25 lb .....\$6,000

### DP-65 CD Player

20-bit D/A converter. Double-heterodyne diode laser pickup; locking transport tray; 4 DACs per channel. Optical and coaxial digital outputs; RCA and XLR outputs. Track search; track/time displays; remote control. THD 0.0025% from 20 Hz-20 kHz; S/N 118 dB; dynamic range 98 dB; ch sep 106 dB. 18 1/4 x 5 1/2 x 15 1/2 in; 34 lb .....\$5,750

### DP-55 CD Player

20-bit D/A converter. 3 DACs per channel; locking tray. Coaxial and optical digital input; two digital outputs; and analog outputs. Track search; track/time displays; remote control. THD 0.0038% from 20 Hz-20 kHz; S/N 116 dB; dynamic range 97 dB; ch sep 105 dB. 18 1/4 x 5 1/2 x 15 1/2 in; 24 lb .....\$3,995

## ACURUS

### ACD11 CD Player

1-bit D/A converter. Glass optics; chassis suspended on air cushion; steel chassis. Coaxial digital output. Random/repeat play; defeatable display lighting; programmable remote control. 19-inch front panel optional. FR 5 Hz-20 kHz  $\pm 0.3$  dB; THD 0.005%; S/N 100 dBA; dynamic range 92 dB; ch sep 88 dB. 17 x 5 x 11 in; 20 lb .....\$899

## ADCOM

*The following feature dual 20-bit Burr-Brown ladder-type D/A converters.*

### GCD-750 CD Player

8X oversampling; Pacific Microsonics PMD-100 digital filter/HDCD decoder; high-mass transport. 1 coaxial digital input; XLR and RCA outputs. Track programming; repeat modes; random play; remote control. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.015%; S/N 106 dB; dynamic range 101 dB. Black. 17 x 4 1/4 x 16 1/2 in .....\$1,250

### GDA-700 D/A Converter

HDCD decoder; RFI/EMI filtering; anodized-aluminum front panel. 2 RCA inputs; optical digital input; AES/EBU input; XLR and RCA outputs; gold-plated RCA and XLR connectors. Digital-domain phase-reverse switch; HDCD decoding indication. 17 x 3 x 11 1/2 in; 10 lb .....\$1,000

### GCD-700 5-Disc CD Changer

5-disc carousel. Class A analog output circuitry. Fixed- and variable-level RCA outputs; coaxial digital output. Selectable digital-domain phase reverse; remote control. FR 20 Hz-20 kHz  $-0.5$  dB; THD 0.005%; S/N 100 dBA. 17 x 4 1/4 x 16 1/4 in; 15 lb .....\$700

## AIWA

### XC-30M 5-Disc CD Changer

5-disc carousel. 20-track programming; remote control. 17 x 6 x 13 1/4 in; 20 lb .....\$180

### XP-SP1200 Portable CD Player

1-bit D/A converter. 40-sec antishock system; 12-hr play; DSL bass; water-resistant; rubberized areas for durability. 24-track programming; 3-point LED battery-life indicator. Operates on 2 AA batteries. Includes AC adapter and headphones. Black, purple, or orange. 5 1/2 x 1 1/2 x 6 1/2 in; 13 oz ...\$180

### XP-779 Portable CD Player

1-bit D/A converter. 20-sec electronic antishock system; 18-hr play; DSL bass. 3-point LED battery life indicator; car kit; backlit LCD display. Operates on 2 AA batteries. Includes cassette adapter; DC adapter; AC adapter; headphones. Silver or black. 5 1/2 x 1 x 6 1/4 in; 9 oz .....\$120

### XP-R970 Portable CD Player/Tuner

1-bit D/A converter. 10-sec electronic antishock system; DSL bass; built-in AM/FM digital tuner. 3-point LED battery life indicator; 24-track programming. Operates on 2 AA batteries. Includes AC adapter and headphones. Silver or black. 5 1/2 x 1 1/4 x 6 1/2 in; 10 oz .....\$120

### SD-SP800 Portable CD Player

1-bit D/A converter. 10-sec electronic antishock system; DSL bass; water-resistant; rubberized areas for durability. 3-point LED battery life indicator. Operates on 2 AA batteries. Includes AC adapter and headphones. Black, purple, or orange. 5 1/2 x 1 1/2 x 6 1/2 in; 14 oz .....\$100

### XP-579 Portable CD Player

1-bit D/A converter. 10-sec electronic antishock system; DSL bass. LCD battery life indicator. Operates on 2 AA batteries. Includes car kit (cassette and DC adapters), AC adapters and headphones. Silver or black. 5 1/2 x 1 1/2 x 6 1/4 in; 9 oz .....\$100  
**XP-570 Portable CD Player.** 1-bit D/A converter. As above without car kit .....\$80

## AMC

### CD 8a CD Player

1-bit MASH D/A converter. 18-bit resolution; 32X oversampling; linear phase with 18-bit coefficients; 5-pole analog active filter. RCA outputs; coaxial digital output; XLR output. 21-track programming; search and repeat; track/time displays; remote control. FR 5 Hz-20 kHz  $\pm 0.5$  dB; THD 0.0025% at 1 kHz; S/N 110 dB; dynamic range 98 dB. 17 x 3 1/2 x 13 1/2 in; 11 lb .....\$400  
**AC01.** XLR to RCA cable .....\$100  
**CD 8a-540A.** As above, upgraded to XLR tube line output stage .....\$700  
**CD 9.** As CD 8a without XLR output .....\$300

### DAC-8 D/A Converter

1-bit MASH D/A converter. 18-bit resolution; ultra-linear D/A converter with low jitter; double-sided through-hole printed circuit boards; 2-V output. 1 optical, 3 coaxial inputs; 1 BNC record output; analog output. Front-panel manual input-source selection. FR 20 Hz-20 kHz  $\pm 0.3$ ; THD 0.005%; S/N 104 dB; ch sep 103 dB. 17 x 3 1/2 x 13 1/2 in; 12 lb ...\$250

## ANTHEM

### CD-1 6-Disc CD Changer

Dual 20-bit Burr-Brown D/A converters. Pacific Microsonics PMD-100 filter/HDCD decoder; 8X oversampling; vacuum-tube output stage. 1 coaxial

digital, 1 AES/EBU digital, and 1 analog output. Programmable disc shuttle system; track-search and scan/shuffle functions; remote control. FR 20 Hz-20 kHz; THD 0.05%; S/N 100 dBA; dynamic range 98 dB. Black or silver. 5-yr parts-and-labor warranty .....\$1,699

## ARAGON

### D2A2 D/A Converter

Dual Burr-Brown 20-bit D/A converters. Ultra Analog AES 21 receiver; HDCD decoding. 1 AES/EBU, 1 optical, and 2 coaxial digital inputs. THD 0.005%; S/N 110 dB. 19 x 3 1/2 x 11 in; 20 lb .....\$999

## ARCAM

### Alpha 9 CD Player

Custom 24-bit Ring D/A converter. HDCD decoder. Fixed-level analog outputs; coaxial digital outputs. Track skip; search and repeat; 24-track programming; shuffle play; intro scan; remaining-time LED display; remote control. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.005%; S/N 105 dB. Charcoal finish. 17 x 4 x 11 in; 9 lb .....\$1,599

### Delta Black Box 500 D/A Converter

1-bit D/A converter. Two coaxial inputs; 2 optical inputs; 1 AES/EBU input; 1 coaxial output. Selectable polarity; master clock sync with Alpha 8 CD transport. THD 0.005%; S/N 105 dB .....\$1,500

### Alpha 8SL CD Player

1-bit PWM D/A converter. Pacific Microsonics digital filter chip; low-jitter master clock. Fixed-level analog outputs; coaxial digital outputs. Track skip; search and repeat; 24-track programming; shuffle play; intro scan; remaining-time LED display; remote control. FR 20 Hz-20 kHz  $\pm 0.5$  dB; S/N 100 dB. Charcoal finish. 17 x 4 x 11 in .....\$1,249

### Alpha 8 CD Player

1-bit PWM D/A converter. Fixed-level analog outputs; coaxial digital outputs. Remote control. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.005%; S/N 100 dB. 9 lb .....\$999

**Alpha 7.** As above, multilevel delta-sigma D/A converter. 8 lb .....\$649

### Alpha MCD 6-Disc CD Changer

20-bit D/A converter. 6-disc vertical rack. Low-jitter master clock; Sony transport mechanism; multiroom capability. Analog outputs; coaxial digital outputs. Remote control. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.005%; S/N 100 dB; dynamic range 96 dB. Charcoal. 17 x 5 x 11 1/2 in; 8 lb .....\$999

### Delta Black Box 50 D/A Converter

Hybrid 18-bit/1-bit D/A converter. 1 coaxial input; 1 optical input; 1 coaxial output. Selectable polarity; master clock sync with Alpha 8 CD transport. THD 0.005%; S/N 103 dB .....\$899

## AUDIO BY VAN ALSTINE

### FET-Valve TOPP-DAC Tube D/A Converter

Dual 16-bit D/A converters. 4X oversampling; hybrid vacuum-tube/MOSFET design. Coaxial digital input; line-level output. Black anodized faceplate. 12 x 3 1/2 x 9 in .....\$949

### Omega III TOPP-DAC D/A Converter

Dual 16-bit D/A converters. 4X oversampling. Coaxial digital input; line-level output. Black anodized faceplate. 12 x 3 1/2 x 9 in .....\$599

## AUDIOLAB

### Model 8000CD CD Transport

Coaxial, optical, and AES/EBU outputs. Remote control. 17 1/2 x 3 x 13 in; 16 lb .....\$1,799

### Model 8000CD CD Player

1-bit D/A converter. 128X oversampling; 20-bit resolution; Philips CDM 12.4 3-beam laser mechanism. 2 low-impedance audio outputs; DC cou-

# CD Components

pling from D/A converter to audio output; 75-ohm BNC digital output. 60-track programming; remote control. 17½ x 3 x 13 in; 16 lb .....\$1,595

## Model 8000DAX D/A Converter

24-bit D/A converter. 8X oversampling; HDCD filter/decoder. 3 optical and coaxial digital inputs; XLR AES/EBU inputs; low-impedance analog output; digital output. Phase switch. FR 2 Hz-20 kHz ±0.5 dB; THD 0.003%; S/N 100 dBA; ch sep 110 dB at 1 kHz. 17½ x 3 x 13 in; 13 lb .....\$1,195

## AUDIO NOTE

### CD-3 CD Player

UltraAnalog 18-bit D/A converter. 8X oversampling; tube output; silver wiring. Analog output; digital output. Remote control. 17 x 5 x 14 in; 18 lb ...\$4,000

### CD-2 CD Player

UltraAnalog AD1865 18-bit D/A converter. 8X oversampling; tube output. Analog output; digital output. Remote control. 17 x 5 x 14 in; 18 lb ...\$1,995

### CD-1 CD Player

UltraAnalog AD1865 18-bit D/A converter. 8X oversampling; AD 1865 processor from UltraAnalog; tube output stage. Analog output; digital output. Remote control. 17 x 5 x 14 in; 18 lb .....\$995

## AUDIO RESEARCH

### DAC3 MKII D/A Converter

Balanced output. ST-glass optical, coaxial, and AES/EBU digital inputs; RCA and XLR outputs. Phase-reverse, input-select, and auto-mute controls. S/N 90 dB. 19 x 5½ x 11½ in; 15 lb .....\$3,995

### CD2 CD Player

Delta-sigma D/A converter. Phillips CD-ROM drive; 3-beam laser pickup; digital jitter elimination. BNC, AES/EBU, and optical digital outputs; XLR and RCA analog outputs. Track programming; skip/scan; random play; repeat; remote control. FR 0.1 Hz-20 kHz ±0.2 dB; S/N 95 dBA; ch sep 94 dB at 1 kHz. 19 x 5½ x 11½ in; 16 lb .....\$3,495

## AUDIO SYNTHESIS

### DAX-2 Pro D/A Converter

Dual 20-bit D/A converters. Coaxial, optical, ST fiber-optic, and AES/EBU digital inputs/outputs. THD 0.0002%; S/N 108 dBA .....\$6,195  
As above without AES/EBU input/outputs ...\$4,695

## BOSE

### Lifestyle 901 CD System

Complete system featuring 6-disc CD changer; AM/FM tuner with 50 presets; 100 W/ch amplifier; 2 direct/reflecting speakers, each with 9 full-range drivers. Integrated signal processing; active electronic EQ. Black acrylic speakers, each 21 x 13 x 31 in; brushed aluminum Music Center ...\$4,200

### Lifestyle 5 CD System

Complete system featuring CD player; AM/FM tuner with 20 presets; amp rated at 100 W x 1 (subwoofer) + 50 x 2 (satellites). Subwoofer has 8-in driver; 2 dual-cube satellites each have 1 magnetically shielded 2½-in driver per cube. RF remote control. Finish: subwoofer, black veneer; satellites, black or white. Subwoofer 12½ x 21½ x 10 in. Satellite 3 x 6½ x 4½ in .....\$1,499  
**Lifestyle 3.** As above, two single-cube satellite speakers and smaller subwoofer with 5½-in driver. Amp 50 W x 1 + 20 x 2 (satellites). .....\$1,099

## BOULDER

### Model 2020 Advance D/A Converter

Five 20-bit D/A converters per channel. 8X oversampling; upgradable to all new formats. Four AES and ST inputs; one optical input; 2 AES outputs; 2 XLR fixed-level audio outputs. ¼-in-character LED display for easy visibility; remote control ...\$33,000

## CALIFORNIA AUDIO LABS

### CL-10 5-Disc CD Changer

20-bit D/A converter. 5-disc digital servo transport; HDCD filter/decoder; discrete FET analog stage. Coaxial and AES/EBU digital outputs. Remote control. Custom performance software optional. FR 5 Hz-22 kHz -0.1 dB; THD 0.005%; S/N 95 dB; dynamic range 107 dB; ch sep 92 dB at 1 kHz .....\$1,975

### CL-15 CD Player/Processor

Dual 20-bit co-linear D/A converters. PMD-100 HDCD decoding filter; synchro system reclocking and jitter reduction. Coaxial digital input; RCA analog output. Remote/faceplate selection of digital input for auxiliary source and volume control; RS232 serial interface for software customization; remote control. FR 5 Hz-20 kHz ±0.1 dB; THD 0.005%; S/N 104 dBA; ch sep 115 dB at 1 kHz. 17 x 5 x 15½ in; 19 lb .....\$1,695

### Alpha Tube D/A Converter

1-bit delta-sigma D/A converter. Analog stage with two 12AX7 vacuum tube; 18-bit resolution; jitter-reduction circuitry; tube-filament standby circuit. Coaxial, ST optical, and AES/EBU digital inputs. FR 5 Hz-20 kHz +0. -0.5 dB; THD 0.02%; S/N 100 dB; dynamic range 95 dB; ch sep 80 dB. 10 lb .....\$1,495

### CL-5 5-Disc CD Changer

1-bit MASH D/A converter. 5-disc carousel. 32X oversampling; digital servo transport; discrete analog stage; single-beam and all-glass optics laser; AC line filter; upgradable to CL-10. RCA analog output. Programmable play; remote control. FR 1 Hz-20 kHz ±0.2 dB; THD 0.005%; S/N 92 dB. 17 x 5 x 15½ in; 18 lb .....\$1,195

### Icon MkII CD Player

18-bit D/A converter. Digital servo transport; discrete FET analog stage. Coaxial digital output. Remote control. Fiber-optic digital output optional. FR 10 Hz-20 kHz ±0.2 dB; THD 0.005%; S/N 95 dB; dynamic range 105 dB; ch sep 91 dB at 1 kHz ...\$995

### Delta CD Transport

Digital-servo transport; jitter-reduction circuitry; 6-way power supply; AC noise filtration. Coaxial, optical, and AES/EBU digital outputs. Remote control; track programming. 8½ x 4½ x 12½ in; 11 lb ...\$895

### Sigma II Tube D/A Converter

1-bit delta-sigma D/A converter. Analog stage with one 12AX7 vacuum tube; 18-bit resolution. Coaxial and optical digital inputs. FR 5 Hz-22 kHz +0. -0.5 dB; THD 0.02%; S/N 100 dB; dynamic range 95 dB; ch sep 80 dB. 9 lb .....\$750

### DX-2 CD Player

1-bit MASH D/A converter. Digital-servo transport; discrete FET analog stage; AC noise filtration; low-jitter reclocking circuits. Coaxial digital and RCA-analog outputs. LCD display with switchable I/II; remote control. FR 5 Hz-20 kHz ±0.2 dB; THD 0.005%; S/N 92 dB; dynamic range 92 dB; ch sep 90 dB at 1 kHz. 3-yr warranty. 15 lb .....\$649

### Gamma D/A Converter

1-bit delta-sigma D/A converter. Coaxial and optical digital inputs. Phase switch; backlit display. FR 10 Hz-20 kHz +0. -0.1 dB; THD 0.006%; S/N 90 dB; ch sep 89 dB at 1 kHz. 5 lb .....\$195

## CAMELOT TECHNOLOGY

### Uther v2.0 Mk.2 D/A Converter

Burr-Brown D/A converter. PCM 63 P-J dual-differential D/A section; jitter reduction; HDCD digital filter; Royal Bloodline data bus for communication with other Camelot Technology products. 2 I²S, 2 AES/EBU inputs, 1 Toslink optical, 1 ST-glass optical, and 2 coaxial digital inputs; 1 coaxial and 1 I²S digital output; XLR and RCA analog outputs. 8 user-accessible dither positions via remote control; infrared remote control. 5-yr transferable parts-and-labor warranty. 17 x 11½ x 4½ in; 14 lb .....\$2,995  
**Charm I.** DC battery-based power supply ...\$3,995

## Merlin PRO CD Transport

Pioneer stabilized-platter drive mechanism; temperature-controlled crystal oscillator for jitter control; low-resonance chassis. 1 AES/EBU and 2 I²S outputs; RCA and BNC coaxial outputs. 24-track programming; highlight scan; peak search and intro scan; microprocessor-controlled auto edit for recording; time display; full-function remote control. Silver or black anodized-aluminum front panel. 17 x 5 x 11 in; 15 lb .....\$2,195

## Morganna 24 CD Player

24-bit delta-sigma D/A converter. Jitter-reduction circuitry; analog volume control. Coaxial digital output; AES/EBU and 2 I²S digital outputs. 24-track programming; highlight scan; volume control; display-off switch; full-function remote control. Silver or black anodized-aluminum front panel. 17 x 5 x 11 in; 15 lb .....\$2,195

## Arthur v3.0 D/A Converter

20-bit Burr-Brown D/A converter. PCM-1702 D/A section; HDCD digital filter; passive post filter; combination passive/active Class A analog stage; bypass jumper for HDCD attenuation. Crystal Semiconductor 8412 Input receiver; 2 I²S, 1 AES/EBU, 1 coaxial, and 1 optical input. Digital-domain phase reverse. ST input optional. 5-yr parts-and-labor warranty. 17 x 2 x 8 in; 7 lb .....\$899  
**Charm II.** DC battery-based power supply ...\$599

## CARVER

### MV-5 5-Disc CD Changer

Multibit and Bitstream D/A converter. 5-disc carousel. Digital Time Lens circuitry to remove digital artifacts. SPDIF digital output; headphone jack with adjustable output level; remote-control jacks for connection to compatible components. Can change 3 discs while 1 plays; 3 repeat modes; shuffle mode; 32-track programming; removable rack handles; full-function remote control. FR 20 Hz-20 kHz ±0.5 dB; THD 0.004%; S/N 100 dB; dynamic range 90 dB; ch sep 80 dB at 1 kHz. Grained and anodized-aluminum front panel. 19 x 4 x 16¼ in; 15 lb ...\$459

## CARY AUDIO DESIGN

### CD-302 CD Player

Dual 20-bit D/A converters. HDCD filter/decoder; Pioneer stabilized-platter drive mechanism; two 12AU7 triode vacuum tubes in low-pass filter network; analog-gain stage and output buffer; aluminum chassis. FR 20 Hz-20 kHz ±0.5 dB; THD 105 dB. 17 x 4 x 11 in; 15 lb .....\$2,995

### CD-301 CD Player

NPC SM5872BS D/A converter with passive digital filter, and 12AU7 and 12AT7 vacuum tubes. Volume selection on remote control. FR 4 Hz-20 kHz ±0.75 dB; S/N 101 dB. Black anodized faceplate; black epoxy-coated chassis. 1½ x 4½ x 15½ in; 20 lb .....\$2,595

## CEC

### TL-1X CD Transport

Laser belt-drive design; precision-machined bearing; low-torque drive motor; vibration-absorbing Corian disc-clamping mechanism; 39-lb antiresonant chassis. AES/EBU, ST optical, and 2 coaxial digital outputs. Remote control. Brushed gold or satin-black anodized-aluminum finish ...\$5,650

### TL-2X CD Transport

Belt-drive design; vibration-absorbing Corian disc clamping mechanism; floating Isolation system; 30-lb antiresonant chassis. Coaxial, optical, and AES/EBU digital outputs. Remote control. Brushed black or gold anodized aluminum .....\$2,995

## CELLO

### Reference DAC D/A Converter

20-bit D/A converter. 8X oversampling; UV22 super CD encoding system. 2 coaxial and 4 bal-

# CD Components

anced digital inputs; AES and SPDIF inputs; 1 RCA and 2 XLR analog outputs. 6 input-source selections; test-tone generator. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.005%; S/N 108.5 dB. Brushed anodized-aluminum/teal faceplate. 19 x 4 x 12 1/2 in; 20 lb .....\$11,000

## CHORD

### DSC 1500 D/A Converter

Delta-sigma D/A converter. 256X oversampling. Coaxial, AES/EBU, and optical digital inputs; coaxial, AES/EBU, and 3 optical outputs. Front-panel display of 5 separate inputs. S/N 100 dB. 5-yr warranty. 16 1/2 x 3 1/2 x 14 in; 18 lb .....\$6,750

### DSC 1100 D/A Converter

Delta-sigma D/A converter. 256X oversampling. SPDIF-coaxial input and output. Front-panel display of full error, frequency, and digital de-emphasis states. THD 0.003%; S/N 110 dB. 5-yr warranty. 16 1/2 x 3 1/2 x 14 in; 18 lb .....\$4,500

## CLASSE

### DAC-1 D/A Converter

Dual 20-bit D/A converters. HDCD decoder. 8X oversampling; AES/EBU, Toslink optical, ST-glass optical, and 2 RCA coaxial inputs; RCA and XLR outputs. Phase selection; display brightness. FR 20 Hz-20 kHz  $\pm 0.1$  dB; THD 0.003%; S/N 110 dB; ch sep 123 dB at 1 kHz. Black or silver faceplate. 5-yr warranty. 19 x 14 1/4 x 3 1/4 in; 17 lb .....\$3,995

### CDP-1 CD Player

20-bit D/A converter. 8X oversampling; HDCD decoder. RCA and XLR outputs. 20-track programming; random play, repeat, and scan functions; standby mode; remote control. FR 20 Hz-20 kHz; S/N 108 dB; ch sep 116 dB at 1 kHz. Black or silver faceplate. 5-yr warranty. 19 x 13 1/4 x 4 in; 18 lb .....\$3,495

### CDT-1 CD Transport

AES/EBU, coaxial, and ST-glass outputs. 20-track programming; random play, repeat, and scan functions; remote control. Black or silver faceplate. 5-yr warranty. 19 x 4 x 13 1/4 in; 13 lb .....\$3,495

### CDP.5 CD Player

20-bit D/A converter. 8X oversampling; HDCD decoder. RCA and XLR outputs; AES/EBU digital output. 20-track programming; random play, repeat, and scan functions; standby mode; remote control. FR 20 Hz-20 kHz; S/N 106 dBA; ch sep 115 dB at 1 kHz. Black or silver faceplate. 5-yr warranty. 19 x 4 x 11 1/2 in; 16 lb .....\$1,995

### CDP.3 CD Player

20-bit D/A converter. 8X oversampling; HDCD decoder. RCA and XLR outputs. Remote control. FR 20 Hz-20 kHz; S/N 100 dB; ch sep 100 dB at 1 kHz. Black or silver faceplate. 5-yr electronics warranty. 19 x 3 3/4 x 12 1/2 in; 20 lb .....\$1,395

## CONRAD-JOHNSON

### DV2-b CD Player

Bitstream D/A converter. Tube analog stage. Coaxial digital output. Programmable play; remote control. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.1%. Champagne-gold finish. 3-yr warranty. 18 lb .....\$2,495  
DF2. As above, solid-state analog stage .....\$1,795

## CREEK

### CD43 CD Player

1-bit delta-sigma D/A converter. 24-bit resolution; AES/EBU digital output .....\$995

## DENON

### DP-S1 CD Transport

Top loading design; 32-kilobyte antijitter buffer; airtight shield; sand-cast chassis frame; triple floating suspension; linear motor drive floating along 2 parallel guide shafts via magnetic coils; die-cast aluminum door; disc stabilizer. ST optical, AES/EBU, RCA, and BNC outputs; ST Gen-Lock connector for synchronization with D/A converter. Champagne gold with black anodized accents. 17 1/2 x 5 1/4 x 15 1/4 in; 37 lb .....\$8,000

### DA-S1 D/A Converter

Four 20-bit D/A converters. Alpha processor for 20-bit resolution; analog output stage with Class A DC amp with FET Input; balanced signal digitally calculated at D/A converter; separate digital and analog sections; separate left and right sections; linear slide motor. ST, optical, AES/EBU, RCA and BNC digital inputs; ST Gen-lock connector for synchronization with CD-transport master clock. FR 2 Hz-20 kHz  $\pm 0.2$  dB; THD 0.0015%; S/N 120 dB; dynamic range 100 dB. Champagne gold with black anodized accents. 17 1/2 x 5 1/4 x 15 1/4 in; 44 lb .....\$7,000

### DCD-1650AR CD Player

Four 20-bit D/A converter. 8X oversampling; digital servo; alpha processor for 20-bit resolution. Coaxial and optical outputs. Random play; 20-track programming; auto edit/space; peak search; fade in/out functions; display dimmer; remote control. FR 2 Hz-20 kHz; THD 0.0018%; S/N 118 dB; dynamic range 100 dB; ch sep 110 dB. Black. 17 1/4 x 5 1/4 x 13 1/2 in; 26 lb .....\$999

### LA-2300 Combi-Player

Plays CDs and laserdiscs. Separate laserdisc and CD trays. Dolby Digital RF output; 2 A/V outputs; S-video outputs. Dual-side play; on-screen display; last memory with review mode; 24-track programming; random play; 7 repeat modes; intro scan; highlight scan; remote control .....\$799

### DCD-425 CD Player

Advanced multilevel noise-shaping D/A converter. 8X oversampling digital filter; 20-track program play; A/B repeat; 1-track repeat; all track repeat; random play; Intro scan; remote control. FR 2 Hz-20 kHz; THD 0.006%; S/N 103 dB; dynamic range 95 dB; ch sep 92 dB. Black front panel, chassis cover. 17 1/4 x 5 x 10 in; 9 lb .....\$199

## CD Changers

### DCM-560 5-Disc CD Changer

Two 20-bit D/A converters. 5-disc carousel. Alpha processor for 20-bit resolution; D/A converters hand tuned to eliminate distortion; motor-driven volume control; vibration-resistant chassis; coaxial digital output. Bidirectional carousel rotation; can change 4 discs during play; favorite-track memory for 100 discs; synchro play with compatible cassette decks; 3 random-play, 5 repeat modes; 20-track programming; direct track access; remote control. FR 2 Hz-20 kHz; THD 0.002%; S/N 113 dB; dynamic range 100 dB; ch sep 102 dB. Black front panel, chassis cover. 17 1/2 x 4 1/2 x 15 1/2 in; 14 lb .....\$649

DCM-460. As above without motor-driven volume control or vibration-resistant chassis .....\$449

### DCM-360 5-Disc CD Changer

20-bit D/A converter. 5-disc carousel. Alpha Processor for 20-bit resolution; 20-bit 8X oversampling digital filter. 20-track program play; 3-mode random play; 5-way repeat play; digital attenuator; remote control. FR 2 Hz-20 kHz; THD 0.0028%; S/N 108 dB; dynamic range 99 dB; ch sep 98 dB. Black. 17 1/2 x 4 1/2 x 15 1/2 in; 12 lb .....\$319

### DCM-260 5-Disc CD Changer

5-disc carousel. 20-bit 8X oversampling digital filter; Multilevel Noise Shaping D/A Converter. 20-track program play; 3-mode random play; 5-way repeat play; digital attenuator; remote control. FR 2 Hz-20 kHz; THD 0.006%; S/N 103 dB; dynamic range 95 dB; ch sep 92 dB. Black front panel, chassis cover. 17 1/2 x 4 1/2 x 15 1/2 in; 12 lb .....\$269

## DODSON AUDIO

### DA217-MKII D/A Converter

Dual 20-bit D/A converters. Proprietary decoding;

12 regulated voltage supplies; HDCD decoding; upgradable via microprocessor software and the PLL module, microprocessor and digital Filter ICs; 2 PLL jitter-reduction circuits plus low-jitter re-locking circuit; DC servo for analog output voltage. 1 optical and 2 coaxial digital inputs; RCA and XLR analog outputs. Phase switch. FR 20 Hz-20 kHz  $\pm 0.1$  dB; THD 0.001%; S/N 115 dBA; dynamic range 110 dB; ch sep 114 dB. 5-yr transferable warranty. 17 x 12 x 3 in; 16 lb .....\$3,795

### DAC-263H D/A Converter

Dual 20-bit Burr-Brown D/A converters. HDCD decoding; Proprietary filter/decoder circuits; PLL jitter-reduction circuitry. BNC-coaxial digital input; gold/rhodium RCA outputs. Phase switch; auto sampling-rate selection; LED indicators. FR 20 Hz-20 kHz  $\pm 0.1$  dB; THD 0.0015%; S/N 110 dBA; dynamic range 100 dB; ch sep 110 dB. 17 x 12 x 3 in; 14 lb .....\$1,995

## DPA DIGITAL

### PDM 1024 D/A Converter

128X-oversampling digital filter; 24-bit-wide data path; AES/EBU-compatible; split analog and digital domains; 24k gold-plated brass or copper for improved RF conductivity; high speed opto-isolators. 1 XLR input; 3 RCA inputs; 4 optical inputs; selectable digital output. User-adjustable dither levels. S/N 104 dB. 15 1/4 x 3 x 11 1/2 in .....\$11,500

PDM 256. As above, 64X-oversampling digital filter. S/N 101 dB .....\$6,600

### Renaissance CD Player

16-bit D/A converter. 26-bit internal floating-point digital filter; low-jitter internal architecture. LCD; front panel controls; remote control. FR 20 Hz-20 kHz  $\pm 0.2$  dB; S/N 95 dB. 15 1/4 x 3 x 11 1/2 in .....\$1,895

### Enlightenment D/A Converter

Dual 16-bit D/A converters. 8X-oversampling; 34-bit internal floating-point digital filter; transport jitter removal; precision band-gap reference sources. Coaxial and optical inputs with auto switching. S/N 95 dB. 11 x 3 x 7 1/2 in .....\$1,595

Renaissance. As above, 8X-oversampling; 26-bit internal floating point digital filter .....\$1,049

### Enlightenment CD Transport

Low RF noise generation; 3-beam laser; low-jitter internal structure. Coaxial and optical outputs. Remote control; LCD; front panel controls for all major functions. 15 1/4 x 3 x 11 1/2 in .....\$1,395

### Little Bit Three D/A Converter

Double-phase lock loop for low jitter; extensive RF filtering. Optical and coaxial inputs; analog and digital outputs. S/N 90 dB. 15 1/4 x 2 1/2 x 11 in .....\$595

## DUAL

### CD5150 CD Player

16-bit D/A converter. 20-track programming; remote control. FR 20 Hz-20 kHz; THD 0.05%; S/N 100 dB; dynamic range 95 dB .....\$695

### CD1070 CD Player

Dual 18-bit D/A converters. 16-track programming; remote control. FR 2 Hz-20 kHz; THD 0.01%; S/N 90 dB; dynamic range 96 dB .....\$395

## ENLIGHTENED AUDIO DESIGNS

### Ultradisc 2000 CD Player

20-bit D/A converter. HDCD filter/decoder; dual-differential D/A conversion; stabilized-platter disc-drive mechanism; upgradable design. Fixed analog output; coaxial digital output. Track remaining-time display; 24-track programming; random play; remote control. FR 0 Hz-20 kHz  $\pm 0.1$  dB; THD 0.001%; S/N 100 dBA .....\$2,495

## ENTEC

### Number Server 180 CD Transport

Belt drive; remote control. 36 lb .....\$4,750

# When The Master Tells You He's Made The Best Sounding Radio In The World, You Listen!

**Model 88. Designed By Audio Hall of Fame Member and Emmy Award Winner Henry Kloss.**



Henry Kloss

In 1963 Henry Kloss changed how the world listened to music when he introduced the first high-fidelity FM table radio – the KLH Model Eight. The new *Model 88 by Henry Kloss™* once again redefines how we listen to music.

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*Model 88* is the first table radio that sounds like a good component audio system. That's because it uses high-performance speakers and amplifiers – including a powered subwoofer! Two-thirds of *Model 88's* cabinet serves as the enclosure for a four-inch long-throw subwoofer. It reproduces bass with remarkable accuracy and impact.

*Model 88* also uses techniques like bi-amplification and electronic contouring (a technique pioneered by Henry Kloss) to create a natural, accurate octave-to-octave tonal balance over the entire range of music. And its FM tuner outperforms even "high-end" receivers.

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nent stereo systems. It even includes two sets of stereo inputs, so you can connect it to a CD player, tape deck, TV or computer.

## Continuing A Tradition Of Performance.

Henry Kloss created a new category of audio product – the FM table radio – when he introduced the KLH Model Eight in 1963. He further refined the concept with the Advent Model 400 FM radio in 1974. Both the KLH and Advent radios became classics. If you'd like to hear the next classic from



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# CD Components

## Number Cruncher 1.1 D/A Converter

Delta-sigma D/A converter. BNC input. Phase-reverse control. 19 x 3 1/2 x 15 in; 22 lb .....\$3,995

**Number Cruncher 1.5.** Upgraded version of Model 1.1 .....\$4,995

## Accessories

The following are for the above D/A converters.

Goldstein power cord .....\$375  
Reference power cord .....\$150  
Clear-viewing metal lid .....\$150  
75-ohm BNC-to-BNC 1-m interconnect .....\$100  
Custom Canare interconnect set .....\$90

## ENTECH

### Number Cruncher 205.2 D/A Converter

D/A converter. 6 independent voltage regulators; 5-pole anti-alias filter; 20-bit resolution. 2 coaxial and 1 optical digital input. LED indicator for data lock; 3 front-panel LEDs showing input selection; front-panel touch-sensitive input source selector; phase control. FR 20 Hz-20 kHz  $\pm 0.25$  dB; THD 0.005%. Anodized aluminum. 3-yr warranty. 6 1/4 x 3 x 8 1/2 in; 5 lb .....\$450

### Number Cruncher 203.2 D/A Converter

D/A converter. 5 independent voltage regulators; 3-pole anti-alias filter; 20-bit resolution. 1 coaxial and 1 optical digital input; analog output. Front-panel data-lock display; rear-panel input selector. FR 20 Hz-20 kHz  $\pm 0.25$  dB; THD 0.005%. Anodized aluminum. 3-yr warranty. 6 1/4 x 3 x 4 in; 3 lb .....\$299

## ESOTERIC

### P2s CD Transport

Overhead turntable with double-layer construction comprised of brass and aluminum layers; concave turntable surface; green turntable tint to absorb stray laser light; servo system with low-pass filter to eliminate servo-signal destabilizing elements and minimize pickup vibration; 1.6-mm sheet-steel chassis with die-cast base and aluminum front panel; disc tray machined from 8-mm-thick aluminum with support of 6 ball bearings; PC-OCC internal wiring. ST, XLR, BNC, RCA, and Toslink digital outputs. Track/index select; search keys; time search; 40-track conventional/delete programming; 4 repeat modes; fluorescent display with dimmer; remote control with controls for D-2 D/A converter .....\$7,000

### D2 D/A Converter

Four 18-bit D/A converters. Antivibration chassis; 45-bit digital filter with noise shaping; dithering circuitry; 18-dB/oct Butterworth analog filter; MOSFET analog-circuitry parts. 2 coaxial and 2 optical digital inputs; XLR and RCA analog outputs; coaxial digital output. Digital phase-reverse and soft-mute switches; fluorescent display with dimmer. S/N 110 dB at 1 kHz .....\$3,500

### P700 CD Transport

Die-cast aluminum overhead turntable; concave turntable surface with laser pickup at matching angle; 1.6-mm sheet-steel chassis with die-cast base and aluminum front panel. Coaxial and optical digital outputs. 20-track conventional/delete programming; 4 repeat modes; track/time displays; remote control .....\$1,500

### D700 D/A Converter

Four 20-bit D/A converters. Dithering circuitry; circuitry to reduce zero-cross distortion; 18-dB/oct Butterworth analog filter. Two coaxial and two optical digital inputs; XLR and RCA analog outputs; coaxial digital output. S/N 110 dB at 1 kHz .....\$1,350

## GPX

### C3925 Portable CD Player

20-sec electronic antishock protection; 8X oversampling; bass-boost system. DC input; line-level output; headphone jack. 6-digit LCD display; 24-track

programming; skip/search; repeat and random play; Intro scan; low battery level indicator. Operates on 2 AA batteries. Includes AC adapter; headphones; car cassette/cigarette lighter adapters. 10 oz .....\$130

### C3915 Portable CD Player

10-sec electronic antishock protection; 4X oversampling; bass-boost system. DC input; line-level output; headphone jack. 22-track programming; 6-digit LCD display; skip/search; repeat and random play; Intro scan. Operates on 2 AA batteries. Includes AC adapter; headphones; car cassette/cigarette lighter adapters. 10 oz .....\$110

### C3912AQUA Portable CD Player

10-sec electronic antishock protection; 4X oversampling; bass-boost system. DC input; line-level output; headphone jack. 22-track programming; 6-digit LCD display; skip/search; repeat and random play; Intro scan. Operates on 2 AA batteries. Includes AC adapter; headphones. Blue, green, or purple with clear acrylic CD door. 10 oz .....\$100

### C3913S Portable CD Player

10-sec electronic antishock protection; 4X oversampling; bass-boost system. DC input; line-level output; headphone jack. 22-track programming; 6-digit LCD display; skip/search; repeat and random play; Intro scan; see-through CD door. Operates on 2 AA batteries. Includes AC adapter and headphones with in-line volume control. Satin and smoke see-through finish. 10 oz .....\$100

### C3860 Portable CD Player

4X oversampling; bass-boost system. DC input; line-level output; headphone jack. 22-track programming; 6-digit LCD display; skip/search; repeat and random play; Intro scan. Operates on 2 AA batteries. Includes AC adapter; headphones. 10 oz .....\$80

## HARMAN KARDON

### FL 8550 5-Disc CD Changer

Dual 20-bit Burr-Brown D/A converters. 5-disc carousel. Coaxial digital input; fixed-level analog output; variable headphone output. Can change 4 discs during play; HDCD decoding indicator; 32-track programming; random play; remote controlled direct track access. Includes analog cables. FR 20 Hz-20 kHz +0, -0.5 dB; THD 0.05%; S/N 100 dB; dynamic range 98 dB; ch sep 80 dB. Matte Black. 17 1/4 x 5 1/2 x 15 1/4 in; 17 lb .....\$449

### HD 720 CD Player

1-bit Burr-Brown D/A converter. Analog output. Switchable auto play. FR 20 Hz-20 kHz +0, -0.5 dB; THD 0.008%; S/N 100 dB; ch sep 90 dB. Matte Black. 17 1/4 x 4 1/2 x 12 1/4 in; 9 lb .....\$349

### FL 8350 5-Disc CD Changer

1-bit D/A converter. 5-disc carousel. 8X oversampling. Coaxial digital input; analog output; fixed/variable headphone output. Can change 4 discs during play; 32-track programming; remote direct access; random play; remote control. Includes interconnect analog cables. FR 20 Hz-20 kHz +0, -0.1 dB; THD 0.05%; S/N 98 dB; dynamic range 96 dB; ch sep 80 dB. Matte Black. 17 1/4 x 5 1/2 x 15 1/4 in; 17 lb .....\$329

## JOLIDA

### JD 601A CD Player

16-bit D/A converter. 8X oversampling; stereo gain stage utilizing 2 12AX7A tubes; 3-beam laser pickup. 24-track programming; auto edit function; repeat modes including A-B; fade out; remote control. THD 0.05%; S/N 85 dB; dynamic range 85 dB; ch sep 80 dB. Black. 14 x 4 1/2 x 11 in .....\$450

## JRM ENGINEERING

### DA-20P D/A Converter

Single-chip dual 19-bit D/A converters for each channel. 5-bit dither; 3 position user-programma-

ble anti-alias filter; multislope PLL jitter reduction. 4 digital inputs; 4 line-level analog inputs; EBU digital input and output connectors. Volume, bass, midrange, treble controls. FR 0 Hz-20 kHz  $\pm 0.1$  dB; THD 0.001% .....\$2,610  
RIAA phono module for above. FR 0-20 kHz  $\pm 0.1$  dB .....\$75

## JVC

All JVC CD players and changers feature the Enhanced CompuLink Control System that allows control via a JVC receiver remote.

### XL-MC302 101-Disc CD Changer

1-bit PEM D/A converter. 100-disc module and separate controller with single-disc tray. 3-beam laser pickup. Daisy-chain connection for play and control of two XL-MCM1 100-CD add-on transports for total of 301 CDs; 10 user files; delete file; remote disc-title index and search; 301-disc random play; 4 repeat modes; resume function; security door lock; Intro scan; 300-disc title memory on LCD remote; continuous play; fluorescent display. THD 0.002%; S/N 107 dB; dynamic range 99 dB. Black .....\$870  
**XL-MCM1.** Add-on 100-disc transport for above. 3-beam laser pickup. Security door lock .....\$550

### XL-MC334BK 200-Disc CD Changer

1-bit PEM D/A converter. 200-disc vertical carousel. 8X oversampling. Optical input. Text CompuLink; automatic title transfer to MiniDisc; CD Text; remote control. Includes CD art booklet, CompuLink cables. THD 0.004%; S/N 105 dB; dynamic range 96 dB. Black. 17 1/4 x 7 1/2 x 19 in; 17 lb .....\$330

### XL-M418BK 7-Disc CD Changer

1-bit PEM D/A converter. 6-disc magazine plus single-disc tray. Independent suspension system; servo system. 32-track programming; auto/manual search; auto power-on/off eject; 4 repeat modes; front-panel direct disc access; resume function; continuous play; 20-track program chart; fluorescent display; Intro scan and remote control; 48-disc title memory and title-input jog dial. FR 2 Hz-20 kHz; THD 0.002%; S/N 107 dB; dynamic range 99 dB .....\$280  
**XC-M75.** 6-disc magazine for above .....\$20

### XL-MC222BK 200-Disc CD Changer

1-bit D/A converter. 8X oversampling. AC input; 2 CompuLink inputs/outputs. 32-track programming; 25-CD play exchange with 1 CD eject; random play; jog dial for disk/track selection; remote control. FR 4 Hz-20 kHz; THD 0.006%; S/N 100 dB; dynamic range 95 dB. Black with motor-driven clear-acrylic CD door .....\$280

### XL-F254BK 5-Disc CD Changer

1-bit PEM D/A converter. 5-disc carousel. Independent suspension system; servo system; disc-stabilizing clasper. Can change 4 discs while 1 plays; auto/manual search; front-panel direct disc access; continuous play; random play; 4 repeat modes; 32-track programming; fluorescent display; remote control. FR 2 Hz-20 kHz; THD 0.0022%; S/N 107 dB; dynamic range 98 dB .....\$200  
**XL-F154BK.** As above, no remote control .....\$180

### XL-V282BK CD Player

1-bit PEM D/A converter. Independent suspension system; servo system; disc-stabilizing clasper. Front-panel direct track access; 4 repeat modes; auto and programmed edit functions; 32-track programming; auto/manual search; Dynamic Detection Recording Processor; 15-track music calendar; remote control with direct access and indexing. FR 2 Hz-20 kHz; THD 0.0025%; S/N 106 dB; dynamic range 98 dB .....\$190

### XL-F5TH 5-Disc CD Changer

1-bit PEM D/A converter. 5-disc carousel. 8X oversampling. Can change 4 discs during play; front-panel direct key access; random play; 4 repeat modes; 32-track programming; 200-track music

# CD Components

calendar. FR 2 Hz-20 kHz; THD 0.0022%; S/N 107 dB; dynamic range 98 dB. Black. 15½ x 5 x 15½ in; 11 lb .....\$180

## XL-P64CR Portable CD Player

1-bit D/A converter. 10-sec shock protection; heat-resistant body; 15-hr play; built-in battery recharger. Bass boost; 24-track programming; random play; repeat play; track skip/search; backlit LCD when powered through car or AC; resume play/auto power off; hold switch; In-line remote. Includes car adapter, cassette adapter, and headphones .....\$140  
**XL-P84CR.** As above, 40-sec shock protection; 20-hr play; gold-colored housing; without in-line remote .....\$170  
**XL-P54CR.** As above, no in-line remote .....\$120

## XL-P34 Portable CD Player

1-bit D/A converter. 10-sec electronic shock protection; dynamic suspension system; high-speed pickup servo; 15-hr play; built-in battery recharger. Switchable bass-boost; 24-track programming; Intro scan; random play; repeat play; auto power off; hold switch. Includes headphone .....\$110

## KENWOOD

### CD-2280M 200-Disc CD Changer

Dual 1-bit D/A converters. 200-disc vertical rack. 8X oversampling; low-profile chassis; dual disc transports. 2 analog outputs and 1 digital output. Simultaneous dual-zone and continuous single-zone play; 15-character fluorescent display; CD Text; play exchange; disc-title and track-name memory; 32-track programming; 26-genre music type memory file; timer play; remote control. 17½ x 6½ x 18½ in; 20 lb .....\$500  
**CD-2260M.** As above, single-disc transport; single 15-character fluorescent display; no simultaneous dual-zone or continuous single-zone play; 1 analog output .....\$350

### CD-224M 200-Disc CD Changer

Dual 1-bit D/A converters. 200-disc mechanism. 8X oversampling; low-profile chassis. Analog output. CD Text; timer play; 15-character fluorescent display; play exchange; disc title memory; 26-genre music type memory; 32-track programming; remote control. FR 4 Hz-20 kHz ±0.5 dB; THD 0.005%; S/N 94 dB; dynamic range 96 dB; ch sep 92 dB at 1 kHz. 17½ x 6½ x 18½ in; 16 lb .....\$250  
**CD-223M.** As above, no remote control .....\$230

### CD 206 5-Disc CD Changer

Dual 1-bit D/A converters. 5-disc carousel. 8X oversampling; drive-distortion reduction circuitry; digital pulse-axis control; 3rd-order noise shaping. Analog outputs. Can change 4 discs while 1 plays; 32-track programming; random play with lockout; 1-touch recording; direct track access; audible fast-forward/fast-reverse; auto function 1-touch operation; CD Text; remote control .....\$220

### CD 204 5-Disc CD Changer

Dual 1-bit D/A converters. 5-disc carousel. 8X oversampling; digital pulse-axis control; 3rd-order noise shaping. Analog outputs. Can change 4 discs while 1 plays; 32-track programming; 1-touch recording; audible fast-forward/fast-reverse; auto function 1-touch operation; random play with lockout; direct track access; remote control .....\$160

### DPC-885 Portable CD Player

Dual 1-bit D/A converters. Digital antishock with 20-sec buffer; wide-capture servo-recovery circuit; 3-point disc locking; digital bass boost. Line-level outputs. 22-track programming; audible fast-forward/fast-reverse; shuffle play; track, disc, and program repeat; auto power-off. Includes sports-style headphones; high-capacity Ni-MH rechargeable batteries, AC adapter, LCD wired remote, and sports-style carrying case .....\$150

### DPC-993 Portable CD Player

Dual 1-bit D/A converters. Selectable 40- or 12-sec

digital antishock protection; wide-captured servo-recovery circuit; 3-point disc locking; CD anchor. Line-out Jack. LCD display; bass boost; 32-track programming; random play with lockout; backlit LCD remote. Uses 2 or 4 AA batteries. Includes noise-canceling headphones; AC adapter .....\$150  
**DPC-792.** As above, lower-quality high-performance headphones; no illuminated LCD display or watch-style LCD remote. Includes car-cassette and car-power adapters .....\$130  
**DPC-692.** As above 20-sec digital antishock protection; no wide-capture servo-recovery circuit; standard headphones .....\$100  
**DPC-492.** As above 10-sec digital antishock circuitry; 24-track programming .....\$90  
**DPC-391.** As above without car-cassette or car-power adapter .....\$70

### CD 203 5-Disc CD Changer

Dual 1-bit D/A converters. 5-disc carousel. 8X oversampling; digital pulse-axis control; 3rd-order noise shaping. Analog outputs. Can change 4 discs while 1 plays; 32-track programming; audible fast-forward/fast-reverse; 1-touch recording; auto function 1-touch operation; random play with lockout; remote control .....\$140

## KRELL

### KPC 25s CD Player

20-bit D/A converter. Analog circuitry; 16X oversampling. 2 optical inputs and outputs; 2 coaxial inputs and outputs; AES/EBU XLR input and output. 2 remote controls. FR 0.1 Hz-1 MHz ±0. -3 dB; THD 0.005%; S/N 97 dBA. 5-yr electronics, 3-yr transport warranty. 19 x 5½ x 15½ in; 55 lb .....\$20,000

### KAV-300cd CD Player

20-bit Burr-Brown ACM-1702K D/A converter. 8X oversampling; HDCD decoder; drawer loading. 12-V trigger input; 1 RCA and 1 XLR analog output; 1 optical and 1 coaxial digital output. Remote control. FR 20 Hz-20 kHz -0.18 dB; S/N 103 dB. 5-yr warranty. 19 x 4¾ x 15 in; 22 lb .....\$3,500

### KAV-250cd CD Player

Dual 18-bit Burr-Brown D/A converters. HDCD decoding; analog circuitry; low-jitter master clock oscillator; direct coupled, complementary output circuitry. XLR and RCA outputs; coaxial digital output. Center-mounted front-loading mechanism; remote control. 5-yr electronics, 3-yr mechanical warranty. 19 x 3¾ x 15 in; 16 lb .....\$2,350

## LINN

### Karik CD Player

1-bit delta-sigma D/A converter. Servo transport control; replaceable laser pickup. 2 RCA outputs; BNC and optical digital outputs; remote-control jack for multiroom use. Includes switch-mode power supply .....\$3,595

### Numerik D/A Converter

20-bit D/A converter. Switch-mode power supply. 2 BNC digital inputs; Auto input and sampling-rate selection with indicators .....\$2,595

### Mimik CD Player

1-bit delta-sigma D/A converter. Replaceable laser pickup. BNC digital output; remote-control jack for multiroom use .....\$1,595

## LUXMAN

### D-700s CD Player

20-bit D/A converter. HDCD decoder; front-loading mechanism. 1 analog RCA phono output; XLR output; coaxial digital output. 24-track programming. FR 20 Hz-20 kHz ±1 dB; THD 0.002%; S/N 110 dB; dynamic range 98 dB; ch sep 103 dB at 1 kHz. Champagne gold. 3-yr warranty. 18¾ x 5½ x 15½ in; 10 lb .....\$2,500

### D-375 CD Player

1-bit delta-sigma D/A converter. Motor-driven vol-

ume control; line-phase sensor. Optical digital output; system-bus connection. Digital fade-out; tape edit; 24-track programming; synchro play with compatible cassette decks; random play; repeat play; auto scan; 20-track music calendar; timer play; fluorescent display with 3 brightness levels; remote control. FR 2 Hz-20 kHz ±1 dB; THD 0.004% at 1 kHz; S/N 105 dB; dynamic range 98 dB; ch sep 100 dB. Black or champagne .....\$795

### D-355 CD Player

1-bit delta-sigma D/A converter. Motor-driven volume control. System-bus connection. 24-track programming; synchro play with compatible cassette decks; random play; repeat play; auto scan; 20-track music calendar; timer play; fluorescent display with 3 brightness levels; remote control. FR 2 Hz-20 kHz ±1 dB; THD 0.007% at 1 kHz; S/N 96 dB; dynamic range 96 dB; ch sep 96 dB. Black or champagne .....\$495

### D-322 CD Player

18-bit D/A converter. Floating-pickup suspension; metal chassis and front panel. 20-track programming; auto edit/space; random and repeat play; remote control. FR 5 Hz-20 kHz ±1 dB; THD 0.003% at 1 kHz; S/N 105 dB; dynamic range 100 dB; ch sep 103 dB. 17½ x 4 x 11 in; 9 lb .....\$395

## MACH 1 ACOUSTICS

### DMS Reference D/A Converter

20-bit D/A converter. optical, coaxial, and XLR digital inputs; RCA and XLR analog outputs. THD 0.01%; S/N 105 dB .....\$2,395  
**DMS Standard.** As above, lower-grade components and circuitry .....\$1,895

## MARANTZ

### CD-17 KMII CD Player

Dual-differential 1-bit Bitstream D/A converters. CDM-12.1 3-beam holographic mechanism; Philips integrated digital servo controller with demodulator/decoder. Optical and coaxial digital outputs. Track scan; repeat play; index play; display dimmer; tape edit; peak search; CD Text; can play CD-RW discs; remote control. FR 5 Hz-20 kHz ±0.2 dB; THD 0.002%; S/N 104 dB; dynamic range 97 dB; ch sep 98 dB. 3-yr parts-and-labor warranty. 18 x 3¾ x 12 in; 13 lb .....\$1,000

### CC-870 101-Disc CD Changer

Bitstream D/A converter. 100-disc mechanism plus single-disc slot. 100 discs stored on linear mechanism; each CD can be stored under 1 of 10 different musical classifications; cascade and parallel remote connections allow up to 7 additional CC-870 units to operate in tandem or individually. Coaxial digital output. 30-track programming with multiple play modes; title search and category search; CD-synchro recording function. FR 5 Hz-20 kHz ±0.5 dB; THD 0.009%; S/N 100 dB; dynamic range 90 dB; ch sep 90 dB. 3-yr limited parts-and-labor warranty. 17¼ x 7 x 11 in; 13 lb .....\$600

### CC-67 5-Disc CD Changer

1-bit Bitstream D/A converter. 5-disc carousel. CDM-12 laser mechanism; 2nd-order noise shaping; quick-play mechanism. Coaxial digital output; analog output. Can change 3 discs while 1 plays; random play/repeat; peak search; tape edit; volume control; fade in/out function; remote control. FR 20 Hz-20 kHz ±0.2 dB; THD 0.0025%; S/N 110 dB; dynamic range 96 dB; ch sep 102 dB. 3-yr parts-and-labor warranty. 17 x 4¼ x 14¼ in; 16 lb .....\$400  
**CC-65SE.** As above with upgraded analog output stage and stiffer chassis .....\$500

### CD-67 CD Player

Dual 1-bit delta-sigma Bitstream D/A converters. CDM-12 laser mechanism with 3-beam laser and photo-diode pickup; proprietary analog-stage op-amp combining discrete output circuit in integrated package; 4th-order noise shaping; digital de-emphasis and muting; digital drive servo. Gold-plated

# CD Components

analog output; coaxial and fiber-optic digital outputs. Tape edit; peak search; 30-track programming; display with dimmer; remote with volume control. FR 5 Hz-20 kHz  $\pm 0.5$  dB; THD 0.0025%; S/N 104 dB; dynamic range 96 dB; ch sep 102 dB. 3-yr parts-and-labor warranty. 17½ x 4 x 12 in .....\$400

## CC-48 5-Disc CD Changer

1-bit Bitstream D/A converter. 5-disc carousel. CDM-12 laser mechanism; 2nd-order noise shaping. coaxial digital output. Can change 3 discs while one plays; 32-track programming; random play; repeat play; tape edit; peak search; variable output level; remote control. FR 5 Hz-20 kHz  $\pm 0.5$  dB; THD 0.0025%; S/N 106 dB; dynamic range 96 dB; ch sep 100 dB. 3-yr parts-and-labor warranty. 17½ x 4¼ x 15 in .....\$280

## CD-48 CD Player

Differential Bitstream D/A converter. Philips CDM-12.1 holographic laser module with digital servo control. Coaxial digital output; headphone jack with volume control. 30-track programming; shuffle play; 4 repeat modes; 10-sec intro scan; tape edit recording function; fade in/out functions; digital peak search; 20-key infrared remote control. FR 5 Hz-20 kHz  $\pm 0.5$  dB; THD 0.004%; S/N 100 dB; dynamic range 96 dB; ch sep 94 dB. 3-yr limited parts-and-labor warranty. 17¼ x 3½ x 11 in; 7 lb .....\$230

## MARK LEVINSON

### Model 30.6 D/A Converter

24-bit D/A converter. 96-kHz/24-bit processing capability; data reclocking system; two towers, each containing analog circuitry for one channel with isolation from digital circuitry; HDCD decoding. 4 AES/EBU, 2 coaxial, and 2 optical digital inputs; 1 analog, 1 optical, and 2 AES/EBU outputs. Digital tone control .....\$16,950

### Model 31.5 CD Transport

Top loading design; upgradable. AES/EBU, coaxial, ST and Toslink optical digital outputs ...\$9,495

### Model 39 CD Player

20-bit D/A converter. All-metal drawer mechanism. Variable-level analog outputs; digital input and output. Remote control .....\$5,995

### Model 360 D/A Converter

24-bit D/A converter. 96 kHz processing; reclocking system; HDCD decoding. 1 ST and 1 Toslink optical, 1 RCA, 1 BNC, 2 AES/EBU digital inputs; RCA and XLR outputs. Variable output; PHAST-compatible .....\$4,500  
360S. Special-performance version .....\$7,500

### Model 37 CD Transport

All-metal front-loading drawer mechanism. AES/EBU, RCA, BNC, and ST digital outputs ...\$3,995

## MBL

### Model 1611 D/A Converter

24-bit D/A converter. AES/EBU, coaxial, Toslink, and ST inputs. THD 0.0007%. 19 x 6 x 17 in ...\$14,100

### Model 1511 D/A Converter

20-bit D/A converter. AES/EBU, coaxial, Toslink, and ST digital inputs. THD 0.0007%. 17¼ x 4½ x 15¼ in .....\$5,980

## CDP1 CD Player

1-bit linear D/A converter. 16-bit linear resolution; vibration-damping system. Analog and digital outputs. Repeat modes including A-B; 3-way elapsed-time function; program and peak search; remote control. THD 0.0025%; S/N 104 dB; dynamic range 96 dB. Black lacquer. 3-yr warranty. 17¼ x 3½ x 13½ in; 20 lb .....\$1,500

## MISTRAL

### CD Player

Advanced differential D/A converter. Digital output.

Direct track selection; remote control. S/N 100 dB; dynamic range 98 dB; ch sep 90 dB. Brushed aluminum with brass knobs. 17 x 3½ x 12 in .....\$1,895

## MITSUBISHI

### M-CD500 5-Disc CD Changer

1-bit D/A converter. 5-disc carousel. 8X oversampling; 18-bit digital filter; 3-pole analog filter. Direct track access; skip and search functions; can change 4 discs while one plays; 40-track program memory; 20-track music calendar; 3 repeat modes; intro scan; random play. FR 4 Hz-20 kHz  $\pm 1$ ,  $-0.3$  dB; THD 0.01%; S/N 97 dB; dynamic range 96 dB. 17¼ x 4¼ x 15¼ in .....\$349

## MSB TECHNOLOGY

### Platinum LS-2 Dual Combi-Transport

Plays CDs and laserdiscs. Accepts 2 laserdiscs at once; dual-sided play on each disc. AC-3 RF output; coaxial and optical outputs; dual analog outputs; S-video and composite-video outputs. Remote control. 18½ x 10 x 16½ in; 65 lb .....\$5,495

### Gold PS-1 D/A Converter

8-bit proprietary ladder-type D/A converter. Built-in EMA isolation plate. 1 coaxial input, 2 outputs. Phase switch. THD 0.05%; S/N 100 dB; dynamic range 100 dB. 17½ x 1¼ x 15 in; 46 lb .....\$3,395  
XLR and either RCA or ST inputs for above ...\$440

### Silver CC5DA 5-Disc CD Changer

1-bit D/A converter. Can also play Photo CDs. EMA isolation base. Composite- and component-video outputs. Remote control. 18½ x 16½ x 5½ in; 51 lb .....\$2,795  
XLR analog outputs for above .....\$200  
Silver CC5. Transport version of Silver CC5DA. Coaxial, ST, and XLR digital outputs .....\$2,295  
Internal D/A converter for above .....\$995

### Silver LS-2x Combi-Player

20-bit D/A converter. Plays CDs and laserdiscs. Dual-sided play. AC-3 RF output; dual analog outputs; S-video and RCA composite outputs; optical and coaxial digital outputs. Remote control. 18½ x 6½ x 16½ in; 44 lb .....\$1,995

### The Link D/A Converter

24-bit Burr-Brown D/A converter. Sampling-rate converter for 32 kHz and 96 kHz sources; analog pass through circuit. 1 optical and coaxial digital input. FR 20 Hz-20 kHz  $\pm 0.1$  dB; THD 0.0015%; S/N 100 dB; dynamic range 100 dB; ch sep 95 dB. Metallic charcoal. 17 x 1¼ x 14 in; 16 lb .....\$299

## MUSE

### Two Plus D/A Converter

20-bit D/A converter. 8X oversampling filter. Coaxial digital output; AES output; PS connector. Silver or black front panel. 3-yr-limited warranty. 17½ x 3½ x 11 in; 15 lb .....\$2,500

### Two D/A Converter

20-bit D/A converter. 8X oversampling. 2 coaxial digital outputs. AES output; ST output optional. Silver or black front panel. 3-yr limited warranty. 17½ x 3½ x 11 in; 15 lb .....\$1,700  
HDCD decoding filter for either model .....\$300

## MUSEATEX

### Bidat D/A Converter

1-bit D/A converter. optical, RCA, ST, and AES/EBU inputs; RCA and XLR outputs. Volume control optional .....\$1,999

### CDD1 CD Transport

Antijitter circuitry. RCA and optical outputs. Remote control .....\$1,749

### Idat 44 D/A Converter

1-bit D/A converter. C-Lock antijitter circuitry. optical and coaxial inputs .....\$999

## MUSICAL CONCEPTS

### Epoch VII Signature D/A Converter

1-bit D/A converter. DSP digital filter; 384X oversampling; Hyperfast soft-recovery rectifiers. RCA, BNC, and optical digital outputs; OFC RCA audio outputs. Full-function remote control; defeatable display lighting. THD.003%; S/N 110 dB; dynamic range 98 dB; ch sep 100 dB .....\$1,295

### CDT-4 Signature CD Transport

Turntable-type transport platter; damped chassis; Hyperfast soft-recovery diodes. 1-RCA/BNC digital output; 1 optical output; oxygen-free copper RCA digital output. Full-function remote control; defeatable display lighting. Piano-black faceplate. 17¼ x 5½ x 11 in; 13 lb .....\$995

### Epoch VII CD Player

Aluminum platter with damping pad; DSP to recreate frequencies above 20 kHz. Analog output, coaxial and optical digital outputs; gold-plated RCA jacks. Defeatable display lighting .....\$995  
CDT-4. Transport-only version of Epoch VII. Chassis and transport damping. Coaxial digital output; optical output. BNC output optional .....\$795  
Enigma VII. As Epoch VII, but less extensive digital power supply and less chassis damping ...\$795

## MUSICAL DESIGN

### CD-2 Signature CD Player

1-bit D/A converter. 384X oversampling; DSP filter with 40-kHz FR; Hyperfast soft-recovery diodes; turntable-type transport mechanism, RCA/BNC coaxial digital output; optical digital output. Defeatable display lighting; remote control. FR 2 Hz-20 kHz; THD 0.003%; S/N 110 dB; dynamic range 98 dB. Piano-black lacquer faceplate and brushed aluminum ½-in thick side panels. 17¼ x 5½ x 11 in; 17 lb .....\$1,995

### DAC-1A Signature D/A Converter

Dual 20-bit Burr-Brown D/A converters. HDCD decoder; 8X oversampling; combination passive/active analog stage. 2 RCA/BNC digital inputs; audio output. Phase switch. FR 20 Hz-20 kHz  $\pm 0.1$  dB; THD 0.01%; S/N 100 dB; dynamic range 98 dB. Silver or black brushed-aluminum finish. 5-yr warranty. 15½ x 2¾ x 9 in .....\$1,995

### CD-2 CD Player

1-bit PDM D/A converter. 384X oversampling. Optical output; coaxial output. 20-track programming; remote control; illuminated LCD display. FR 20 Hz-20 kHz  $\pm 0.1$  dB; THD 0.003%; S/N 100 dB; dynamic range 98 dB; ch sep 100 dB. Piano-black lacquer faceplate and ½-in-thick aluminum side panels. 17¼ x 5½ x 11 in; 17 lb .....\$1,495

### T-1 CD Transport

Hyperfast soft-recovery diodes; turntable type transport mechanism. 1 RCA/BNC coaxial digital output; 1 optical digital output. Defeatable display lighting; remote control. Piano-black lacquer faceplate and ½-in-thick brushed-aluminum side panels. 17¼ x 5½ x 11 in; 17 lb .....\$1,295  
As above with XLR output .....\$1,395

### DAC-1A20 D/A Converter

Dual 20-bit Burr-Brown D/A converters. HDCD compatible; 8X oversampling; combination passive/active analog stage. 2 RCA/BNC digital inputs. Phase switch. FR 20 Hz-20 kHz  $\pm 0.1$  dB; THD 0.01%; S/N 100 dB; dynamic range 98 dB. Silver or black brushed-aluminum finish. 5-yr warranty. 15½ x 2¾ x 9 in .....\$1,195  
DAC-1A. As above, dual 18-bit converters ...\$995

## MYRYAD

### MCD 500 CD Player

20-bit delta-sigma D/A converter. 6-pole active analog filter; DC-coupled audio stages. Coaxial digital output. 24-track programming. FR 20 Hz-20 kHz  $\pm 0.3$  dB; THD 0.002%; S/N 105 dB. Black or silver. 17 x 3¼ x 11¼ in; 13 lb .....\$2,400

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# CD Components

## MC 100 CD Player

1-bit D/A converter. Complementary pulse-length modulation (PLM) conversion; 32-kilobytes RAM provides wide-jitter margin and secure playing of dirty or damaged CDs; double C1 and quadruple C2 error correction; low-jitter master clock; coaxial digital output; gold-plated RCA phono sockets; My-Link system remote jack. FR 20 Hz-20 kHz  $\pm 0.3$  dB; THD 0.003%; S/N 104 dB. Silver and black finish. 17 x 4 x 11 in; 12 lb .....\$1,200

## NAD

### Model 5500 CD Player

20-bit D/A converter. Balanced analog circuitry; half-effect motor for transport section; DC-coupled output with DC servo; 5 active analog filters. RCA and XLR analog outputs; AES/EBU and coaxial digital outputs. Modular D/A and analog circuitry; NAD link; remote control. FR 5 Hz-20 kHz  $\pm 0.15$  dB; THD 0.002%; S/N 100 dB; dynamic range 98 dB; ch sep 128 dB at 1 kHz. Sandblasted smooth-aluminum finish. 17 $\frac{1}{2}$  x 2 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in .....\$1,399

### C560 CD Player

Coaxial digital output. NAD link; remote control. Classic gray .....\$499

### Model 515 5-Disc CD Changer

Bitstream D/A converter. 5-disc carousel. 8X oversampling; linear phase with 18-bit coefficients; 4-pole active analog filter. Stereo analog outputs; coaxial digital output. Can change 3 discs while 1 plays; 30-track programming; quick load; shuffle play; edit; remote control. FR 5 Hz-20 kHz  $\pm 0.4$  dB; THD 0.003%; S/N 90 dB; dynamic range 90 dB; ch sep 90 dB at 1 kHz. 17 $\frac{1}{2}$  x 4 $\frac{1}{4}$  x 15 $\frac{1}{2}$  in .....\$499

### Model 523 5-Disc CD Changer

1-bit Bitstream D/A converter. 5-disc carousel. High-speed access to single disc; 8X oversampling; linear-phase digital filter; 5-pole active analog filter design. Can change 2 discs while 1 plays. THD 0.0035%; dynamic range 97 dB; ch sep 99 dB at 1 kHz. 17 $\frac{1}{2}$  x 4 $\frac{1}{4}$  x 15 in .....\$399

### Model 522 CD Player

Burr Brown 20-bit delta-sigma D/A converter. Analog op-amps. RCA analog outputs. Track and time display; repeat modes; remote control. FR 5 Hz-20 kHz  $\pm 0.5$  dB; THD 0.0025%; S/N 100 dB; dynamic range 96 dB; ch sep 110 dB. Classic gray. 17 $\frac{1}{2}$  x 2 $\frac{1}{4}$  x 11 $\frac{1}{4}$  in; 9 lb .....\$299

## NAIM

### NA-CDX CD Player

Dual 20-bit D/A converter. Front loading; HDCD compatible; upgradable design. Remote .....\$4,250  
NA-XPS. Power supply for upgrade .....\$4,000

### NA-CD3-5 CD Player

Front-loading design. Remote control .....\$2,150

## NAKAMICHI

### MB-10 5-Disc CD Changer

Dual 24-bit D/A converters. 5-disc carousel. Analog output; optical and coaxial digital outputs; headphone jack with volume control. Random play; disc and track memory; remote control. FR 5 Hz-20 kHz; THD 0.003%; S/N 100 dB; ch sep 90 dB .....\$399

## ONIX

### CD33 CD Player

1-bit D/A converter. Audio output stages with discrete transistors. Remote. 17 x 3 x 13 in .....\$2,195

## ONKYO

*Next-selection function refers to the ability to select the next track to play without interrupting the currently playing track. All models are compatible with Onkyo's RI-system control.*

## Integra DX-7911 CD Player

Dual 1-bit D/A converters. Modular classic construction; new linear motor actuator; AccuPulse Quartz System; Fine Pulse Conversion; motor-driven volume control. Optical and coaxial digital outputs; fixed and variable outputs; headphone jack with volume control. Next selection; peak search; memory reverse; time edit; fade out; 5 mode repeat play; 20-track programming. THD 0.0025%; S/N 110 dB; dynamic range 100 dB. 17 $\frac{1}{2}$  x 5 $\frac{1}{4}$  x 14 $\frac{1}{2}$  in; 23 lb .....\$1,200

### DXC-730 6-Disc CD Changer

Dual 1-bit D/A converters. 8X oversampling; AccuPulse Quartz System. 1 analog output; 1 optical digital output. Can change 3 discs while 1 plays; 20-track music calendar; 202-disc custom file; intro scan; 6 repeat modes; fluorescent display; RI-system compatible; remote control. FR 2 Hz-20 kHz; THD 0.004%; S/N 98 dB; dynamic range 96 dB; ch sep 92 dB at 1 kHz. Brushed-aluminum front panel. 17 x 5 $\frac{1}{4}$  x 17 in; 18 lb .....\$549

### DX-C540 6-Disc CD Changer

1-bit PWM D/A converter. 6-disc carousel. 8X oversampling; AccuPulse Quartz System. Analog output; optical digital output. Can change 5 discs during play; random play; next-selection function; 6 repeat modes; RI-system cassette-deck compatibility; 202-disc music file; remote control. FR 5 Hz-20 kHz; THD 0.005% at 1 kHz; S/N 92 dB; dynamic range 96 dB; ch sep 92 dB at 1 kHz. Brushed-aluminum front panel. 17 $\frac{1}{2}$  x 5 $\frac{1}{4}$  x 17 $\frac{1}{2}$  in; 15 lb .....\$320

### DX-C340 6-Disc CD Changer

Dual 1-bit D/A converters. 6-disc carousel. Can change 5 discs while 1 plays; synchro play with compatible cassette decks; 40-track programming; random play; 6 repeat modes; next-selection function; remote control. THD 0.005%; S/N 96 dB; dynamic range 96 dB; ch sep 90 dB at 1 kHz. 18 x 4 $\frac{1}{4}$  x 16 $\frac{1}{2}$  in; 17 lb .....\$259

### DX-7211 CD Player

1-bit PWM D/A converter. AccuPulse Quartz System. Headphone jack with volume control. 5 repeat modes; peak search; RI-system compatible; CD synchro start with compatible cassette deck; remote control. FR 5 Hz-20 kHz; THD 0.004% at 1 kHz; S/N 100 dB; dynamic range 96 dB; ch sep 90 dB at 1 kHz. Brushed-aluminum front panel. 17 $\frac{1}{2}$  x 3 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 9 lb .....\$230

## OPTIMUS BY RADIO SHACK

### CD-8400 101-Disc CD Changer

1-bit D/A converter. 101-disc carousel, single-disc tray. Low-noise/low-loss laser pickup. Optical-digital output; RCA line-level output. 32-track programming; 3 custom-mode functions; 8 repeat modes; random play; highlight scan; remote control; best-selection memory. THD 0.003%; S/N 98 dB; dynamic range 96 dB. Black. 16 $\frac{1}{2}$  x 7 $\frac{1}{2}$  x 15 $\frac{1}{2}$  in; 14 lb .....\$250

### CD-8200 25-Disc CD Changer

1-bit D/A converter. 25-disc mechanism. Optical digital output. Personal file memory; random play; repeat play; intro scan; direct access; last-disc memory; memory hold; remote control. 16 $\frac{1}{2}$  x 7 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in .....\$200

### CD-7250 6-Disc CD Changer

1-bit D/A converter. 6-disc magazine. Delete play; 32-track programming; highlight scan; 3 repeat mode; random play; last-disc memory; fluorescent display; remote control; can also be controlled through select Optimus receiver remote controls .....\$180

### CD-3790 Portable CD Player

1-bit D/A converter. 8X oversampling; rechargeable circuit; 40-sec antishock. Headphone output jack; line-level output. Random play, repeat, and intro scan functions; backlit key and display. Operates on 2 AA batteries. Includes Y cable, AC and

car-cassette adapters, and carrying pouch. Champagne finish .....\$170

### CD-8150 5-Disc CD Changer

Dual 1-bit linear D/A converter. 5-disc carousel. 4X oversampling; 3-beam laser pickup; 2-dimensional parallel-lens drive system. 32-track programming; intro scan; audible search; random play; shuffle play; repeat play; can change two CDs during play; remote control. THD 0.02%; S/N 90 dB; dynamic range 84 dB; ch sep 85 dB. Black. 17 $\frac{1}{2}$  x 4 $\frac{1}{4}$  x 14 $\frac{1}{4}$  in; 12 lb .....\$170

### CD-8100 5-Disc CD Changer

1-bit D/A converter. 5-disc carousel. Random play; repeat play; change 2 discs during play; 32-track programming; fluorescent display; remote control .....\$150

### CD 3720 Portable CD Player

1-bit D/A converter. 4X oversampling; 10-sec antishock buffer. Headphone jack; 4.5-V DC input. LCD display; repeat and random play; intro scan. Operates on 2 AA batteries. Includes Y cable. THD 0.06%; S/N 86 dB; dynamic range 86 dB; ch sep 70 dB. Black. 5 $\frac{1}{2}$  x 1 $\frac{1}{2}$  x 5 $\frac{1}{2}$  in .....\$80

## PANASONIC

### Portable CD Players

*The following have a 1-bit MASH D/A converter and include an AC adapter and headphones. They feature resume-play and random-play modes, repeat/skip/search and memory/recall keys, a key-hold switch, and heat-resistant bodies.*

### SL-SW515 Portable CD Player

Virtual Motion Sound System (VMMS); 40-sec antishock memory; 20-hr play with antishock memory; bass-boost system. Operates on 2 AA batteries. Includes rechargeable batteries. 5 $\frac{1}{2}$  x 1 $\frac{1}{4}$  x 6 in; 11 oz .....\$200

### SL-SW505 Portable CD Player

40-sec antishock memory; 20-hr play with antishock memory; extended bass system; water-resistant; built-in battery recharger; dual-lock system with lock indicator. Operates on 2 AA batteries. Includes rechargeable batteries. 5 $\frac{1}{2}$  x 1 $\frac{1}{4}$  x 6 in; 11 oz .....\$170

### SL-SX500 Portable CD Player

40-sec antishock memory; 52-hr play with antishock memory; built-in battery recharger; Star circuitry. Slide-system full-open cover; battery indicator on LCD. Operates on 2 or 4 AA batteries. Includes headphones with detachable 3-key remote, Ni-Cd 1000mAh rechargeable batteries, and rechargeable battery case. 5 $\frac{1}{2}$  x 1 x 5 $\frac{1}{2}$  in; 9 oz .....\$150

### SL-S232 Portable CD Player

10-sec antishock memory; 20-hr play; extended bass system; built-in battery recharger. Backlit LCD; one-push full-open top cover; wireless remote control. Operates on 2 AA batteries. Includes rechargeable batteries. Includes car-power adapter and car-cassette adapter. Metallic silver finish. 5 $\frac{1}{2}$  x 1 $\frac{1}{4}$  x 5 $\frac{1}{2}$  in; 8 oz .....\$140

### SL-SW405 Portable CD Player

10-sec antishock memory; 12-hr play; extended bass system; water-resistant; built-in battery recharger. Headphone jack. Backlit LCD; dual lock system. Operates on 2 AA batteries. Includes rechargeable batteries. Metallic silver finish. 5 $\frac{1}{4}$  x 1 $\frac{1}{4}$  x 6 in; 11 oz .....\$140

### SL-S231C Portable CD Player

10-sec antishock memory; 20-hrs play; extended bass system. One-push full-open top cover. Operates on 2 AA batteries. Includes rechargeable batteries. Includes car power adapter and car cassette adapter. 5 $\frac{1}{2}$  x 1 $\frac{1}{4}$  x 5 $\frac{1}{2}$  in; 8 oz .....\$120

### SL-SX300 Portable CD Player

48-hr play; 10-sec antishock memory; built-in bat-

# CD Components

tery charger. Slide-system full-open top cover. Operates on 2 AA batteries. Includes rechargeable batteries. Includes rechargeable batteries, rechargeable battery case, and battery case. Metallic silver finish. 5 1/2 x 1 x 5 1/2 in; 9 oz .....\$120

## SL-S235 Portable CD Player

10-sec antishock memory; 20-hr play; built-in battery recharger. One-push full-open top cover. Operates on 2 AA batteries. Includes rechargeable batteries. Metallic silver finish. 5 1/2 x 1 1/4 x 5 1/4 in; 8 oz .....\$100

## SL-S201C Portable CD Player

3-sec antishock memory; extended bass system; built-in battery recharger. One-push full-open top cover. Operates on 2 AA batteries. Includes rechargeable batteries, car-power adapter, and car-cassette adapter. 5 1/2 x 1 1/4 x 5 1/4 in; 8 oz .....\$90

## SL-S230 Portable CD Player

10-sec antishock memory; 20-hr play; built-in battery recharger. One-push full-open top cover. Operates on 2 AA batteries. Includes rechargeable batteries. 5 1/2 x 1 1/4 x 5 1/4 in; 8 oz .....\$90

## SL-S205 Portable CD Player

3-sec antishock memory; 10-hr play; built-in battery recharger. One-push full-open cover. Operates on 2 AA batteries. Rechargeable batteries included. 5 1/2 x 1 1/4 x 5 1/4 in; 8 oz .....\$80

## SL-S200 Portable CD Player

3-sec antishock memory; 10-hr play; built-in recharger. One-push full-open top cover. Operates on 2 AA batteries. Includes rechargeable batteries. 5 1/2 x 1 1/4 x 5 1/4 in; 8 oz .....\$70

## PARASOUND

### D/AC-2000 D/A Converter

UltraAnalog D20400-A 20-bit D/A converter. HDCD decoding; AES-21 digital input receiver; PMD-100 HDCD filter; analog op-amps. Two coaxial digital inputs; ST and AES/EBU digital inputs; RCA and XLR outputs. FR 0 Hz-20 kHz; THD 0.0015%; ch sep 104 dB .....\$1,995

### C/DC-1500 5-Disc CD Changer

Hybrid 1-bit/18-bit Burr-Brown PCM-67P ladder D/A converter. 5-disc carousel. Mechanically damped chassis. Coaxial digital output; gold-plated connectors; external remote-control connector. Can change 2 discs while one plays; music calendar; remote control. FR 3 Hz-20 kHz; THD 0.002%; S/N 110 dB; ch sep 115 dB. 19 x 4 1/2 x 15 1/4 in .....\$650

### C/DP-1000 CD Player

Hybrid 1-bit/18-bit Burr-Brown PCM-67P ladder D/A converter. Mechanically damped chassis. Coaxial digital output; gold-plated connectors; external remote-control connector. Remote control. FR 3 Hz-20 kHz; THD 0.002%; S/N 110 dB; ch sep 115 dB. 19 x 3 1/4 x 10 in .....\$495

**ADAM.** Upgrades C/DP-1000 or C/DC-1500 to add ST fiber-optic and balanced-AES/EBU XLR outputs .....\$225

## PASS LABORATORIES

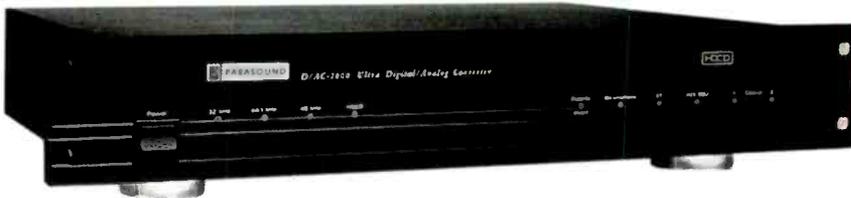
### D1 D/A Converter

20-bit D/A converter. MOSFET circuitry; 8X oversampling; zero-feedback current-to-voltage converter. RCA analog output; AES/EBU output; optical output; ST output. Input-selection control; phase control; level meter. FR 10 Hz-20 kHz  $\pm 0.52$  dB; THD 0.01%; S/N 135 dB; dynamic range 120 dB; ch sep 90 dB. 3-yr warranty. 17 x 3 1/2 x 11 1/2 in; 35 lb .....\$5,000

## PHILIPS

### CDC751 5-Disc CD Changer

Bitcheck D/A converter. Gold-plated headphone jack with volume control. Can change 3 discs dur-



Parasond D/AC 2000 D/A converter

ing play; peak search; auto fader; edit compile with auto space; 6-character fluorescent display; full random play; 30-track programming. 17 x 4 x 15 in; 16 lb .....\$179

## PHILIPS MAGNAVOX

### CDC735 5-Disc CD Changer

1-bit D/A converter. 8X oversampling. Can change 2 discs during play; auto search; audible music search; sequence programming; 6-character fluorescent display; repeat play; 27-button remote control. 17 x 4 x 11 in; 11 lb .....\$99

### Portable CD Players

The following feature 6-digit LCD readouts, audible search, and auto power-off.

### AZ7583 Portable CD Player

1-bit D/A converter. 12-sec ESP; 12-hr play; heat- and scratch-resistant cabinet. 99-track programming; bass boost; next/previous track search; repeat and resume play; rotary volume control. Operates on 2 AA batteries. Includes car accessories; AC/DC adapter; headphones. 5 1/2 x 5 1/2 x 1 1/4 in; 8 oz .....\$149

### AZ7483 Portable CD Player

1-bit D/A converter. 25-sec ESP; 12-hr play; heat and scratch resistant cabinet. 99-track programming; bass boost; next/previous track search; repeat and resume play; rotary volume control. Operates on 2 AA batteries. Includes car accessories; AC/DC adapters; headphones. 5 1/2 x 5 1/2 x 1 1/4 in; 8 oz .....\$119

### AZ7356 Portable CD Player

3-sec ESP; built-in battery recharger; dynamic bass-boost system. 25-track programming; shuffle play; resume, hold switch; operates on 4 AA batteries. Includes car accessories. 5 1/2 x 1 1/4 x 6 1/4 in .....\$110

### AZ7383 Portable CD Player

1-bit D/A converter. 12-sec electronic skip protection (ESP); 12-hr play; heat- and scratch-resistant cabinet. 99-track programming; bass boost; next/previous track search; repeat and resume play; rotary volume control. Operates on 2 AA batteries. Includes car accessories; AC/DC adapter; headphones. 5 1/2 x 5 1/2 x 1 1/4 in; 8 oz .....\$99

### AZ7351 Portable CD Player

3-sec ESP; built-in battery recharger; dynamic bass-boost system. 25-track programming; shuffle play; resume play; hold switch; operates on 4 AA batteries. 5 1/2 x 1 1/4 x 6 1/4 in .....\$90

### AZ7181 Portable CD Player

15-track programming; 14-hr play; heat resistant cabinet. Bass boost; next/previous track search; repeat, random, and resume play; rotary volume control. Operates on 2 AA batteries. 5 1/2 x 5 1/2 x 1 1/4 in; 8 oz .....\$60

## PINK TRIANGLE

### Litaurel CD Player

1-bit D/A converter. S-DOT and digital time log conversion (DTLC) for optimum performance; HDCD and 20-bit Burr-Brown digital filters; on-board D/A converter yields output jitter lower than 5 picoseconds. BNC digital output; XLR and RCA out-

puts. Phase-reverse and filter selection; timing and drawer open/close functions; remote control. FR 20 Hz-20 kHz  $\pm 0.1$  dB; THD 0.005%; S/N 100 dB; dynamic range 110 dB. Black anodized finish. 17 x 4 x 14 in; 16 lb .....\$3,695

## Numeral CD Player

Bitstream continuous-calibration D/A converter. 128X oversampling; 20-bit digital filter; drawer-type transport; reclocking circuitry for master-clock performance with other Pink Triangle components. BNC input; BNC digital output; XLR and RCA analog outputs. Timing and drawer open/close functions; remote control. FR 20 Hz-20 kHz  $\pm 0.1$  dB; THD 0.007%; S/N 90 dB; dynamic range 105 dB. Black anodized finish. 17 x 4 x 14 in; 15 lb .....\$1,995

## Cardinal CD Transport

3-beam laser-pickup system with ultra-low jitter transport; digital clock input for master-clock function of external Pink Triangle converters. BNC Input; BNC digital output. Remote control. Black anodized finish. 17 x 4 x 14 in; 12 lb .....\$1,695

## PIONEER

Pioneer's Legato Link circuitry is said to extend frequency response above 20 kHz.

### Elite PD-65 CD Player

1-bit D/A converter. Stabilized-platter disc-drive mechanism with aluminum platter; disc clamping; brushless spindle motor; Legato Link; Class A FET buffer amp; noise shaper; antiresonant honeycomb chassis; motor-driven volume control. Fiber-optic and coaxial digital outputs. Synchro play with compatible cassette decks; remote control .....\$800

### CLD-D606 Combi-Player

1-bit D/A converter. Direct-CD mode with independent CD tray within laserdisc tray; 8-bit digital field memory for special effects; 3-line comb filter. 2 mic inputs; 2 S-video outputs; optical digital output. Dual-side play; one-touch karaoke; digital key control; mic-level controls; tape edit; intro/highlight scan; on-screen displays; compatible with RS-system remote control with jog/shuttle. Includes mic. FR 4 Hz-20 kHz; THD 0.0035%; S/N 115 dB; dynamic range 96 dB. 16 1/2 x 5 1/4 x 15 1/2 in .....\$750

### CLD-D406 Combi-Player

1-bit D/A converter. Plays CDs and laserdiscs. Digital video processing; digital timebase corrector; independent CD tray. 2 audio and video outputs; optical digital output; Dolby Digital RF output. Dual-side play; last memory with review mode; random play; highlight/intro scan; display-off switch; remote control. FR 4 Hz-20 kHz; S/N 102 dB. 16 x 5 x 16 1/2 in .....\$600

### Elite PD-59 CD Player

1-bit D/A converter. Stabilized-platter disc-drive mechanism with aluminum platter; disc clamping; brushless spindle motor; Legato Link; antiresonant honeycomb chassis. Optical and coaxial digital outputs. Synchro play with compatible cassette decks; remote control .....\$545

## CD Changers

### Elite PD-F07 101-Disc CD Changer

1-bit Pulseflow D/A converter. 100-disc mechanism plus single-disc slot. Legato Link; roulette rack sys-

# CD Components

tem; honeycomb chassis. Analog and digital inputs; optical and coaxial digital outputs; RCA analog output; headphone jack with volume control. 36-track programming; 8 repeat modes; last-disc memory; automatic digit-level control (ADLC); remote control. THD 0.003%; S/N 105 dB; dynamic range 96 dB. Urushi finish. 16% x 7 1/2 x 15 1/4 in; 14 lb ...\$500

## PD-F1007 301-Disc CD Changer

1-bit direct linear D/A converter. 301-disc carousel. Analog RCA output; optical digital output. Custom filling mode; best selection memory; CD Text; title input; full-function remote control; dot-matrix display; single CD slot. FR 2 Hz-20 kHz; THD 0.003%; S/N 98 dB; dynamic range 96 dB. Black ...\$475

## Elite PD-F79 51-Disc CD Changer

1-bit Pulsefellow D/A converter. 25-disc mechanism plus single-disc slot. Legato Link. Headphone output with volume control; optical and coaxial digital outputs. Best-selection memory; highlight scan; program, random, and repeat play; last-disc memory; auto power-on/power-down/eject; previous-disc scan; memory back-up; remote control. Includes holder for CD booklets. S/N 105 dB; dynamic range 96 dB. Urushi finish ...\$450

## PD-F957 101-Disc CD Changer

1-bit direct linear D/A converter. 101-disc carousel. Analog output; optical digital output. CD Text; CD title input; best selection memory; 108-track programming; full-function remote control. FR 2 Hz-20 kHz; THD 0.003%; S/N 98 dB; dynamic range 96 dB. Black. 16% x 7% x 15 1/4 in; 15 lb ...\$365

## Elite PD-F59 26-Disc CD Changer

1-bit Pulsefellow D/A converter. 25-disc mechanism plus single-disc slot. Legato Link. Headphone output with volume control; optical- and coaxial digital output. CD-deck synchro; custom-file function; best-selection memory; highlight scan; program, random, and repeat play; last-disc memory; auto power-on/power-down/eject; previous disc scan; remote control; compatible with SR-system remote control. Includes holder for CD booklets. S/N 105 dB; dynamic range 96 dB. Urushi finish ...\$345

## Elite PD-M59 6-Disc CD Changer

1-bit D/A converter. 6-disc magazine. Antiresonant honeycomb chassis; Legato Link. Optical digital output. Highlight scan; random play; digital level control; remote control ...\$330

## PD-F907 101-Disc CD Changer

1-bit direct linear D/A converter. 101-disc carousel. Analog output; optical digital output. Best-selection memory; remote control; 108-track programming; custom filling mode; last disc memory. FR 2 Hz-20 kHz; THD 0.003%; S/N 98 dB; dynamic range 96 dB. Black. 16% x 7% x 15 1/4 in; 15 lb ...\$310  
PD-F807. As above, no remote control ...\$260

## PD-AP1 CD File Controller

Connect up to three PD-F1006 or PD-F906 CD file changers. Random play of tracks; jog dial for input/search; CD Deck synchro ...\$260

## PD-F607 25-Disc CD Changer

1-bit direct linear D/A converter. 25-disc vertical

rack. Analog RCA output; optical digital output. CD Text-compatible; full-function remote control; last disc memory; best selection memory. FR 2 Hz-20 kHz; THD 0.003%; S/N 98 dB; dynamic range 96 dB. Black. 16% x 7% x 12 1/2 in; 11 lb ...\$260  
PD-F507. As above without CD Text ...\$245  
PD-F407. As above, no remote control ...\$225

## PD-M426 6-Disc CD Changer

1-bit D/A converter. 6-disc magazine. Highlight scan; last-disc memory; remote control ...\$245  
PD-M406. As above, no remote control ...\$235

## POLYFUSION AUDIO

### Model 905 D/A Converter

20-bit D/A converter. 8X oversampling; Pacific Microsonics PMD-100 HDCD decoder; direct-drive mechanism; digital signal conditioning/jitter reduction; differential input circuitry; Class A MOSFET output stages. RCA and BNC coaxial inputs; 2 ST optical inputs; XLR and RCA outputs. Input-selector switch; volume control; automatic/manual mute selector; balance control; output level control; inverted/normal output switch. Includes Model 335 DC power supply. FR 10 Hz-20 kHz  $\pm 0.2$  dB; THD 0.01%; S/N 104 dB; ch sep 100 dB at 1kHz. Anodized aluminum in black, silver, and gold. 3-yr warranty. 19 x 2 1/2 x 13 in; 7 lb ...\$4,250

### Model 805 D/A Converter

20-bit D/A converter. 8X oversampling; Pacific Microsonics PMD-100 HDCD decoder; digital signal conditioning/jitter reduction; differential input circuitry. Differential Input; RCA and BNC coaxial inputs; 2 ST optical inputs; 1 RCA output. Automatic mute; input-selector switch; output-level control; auto frequency select with lock indicator. Includes Model 335 DC power supply. FR 10 Hz-20 kHz  $\pm 0.2$  dB; THD 0.01%; S/N 104 dB; ch sep 100 dB at 1 kHz. Anodized aluminum in black, silver and gold. 3-yr warranty. 19 x 2 1/2 x 13 in; 6 lb ...\$3,250

### Model 920 CD Transport

Phillips CDM-9 PRO mechanism; low-jitter signal processing; differential data transmission output; RCA coaxial output; ST optical output; differential output. Direct track-access selectors on front panel; 100-disc favorite-track programming; infrared remote control. Includes Model 335 DC power supply. Anodized aluminum in black, silver, and gold. 3-yr warranty. 19 x 3 1/2 x 13 in; 8 lb ...\$2,900

## PROCEED

### CDP CD Player

18-bit D/A converter. Front-loading design; all-metal drawer. Coaxial and optical digital inputs; coaxial digital output; RCA and XLR analog outputs; Remote control with volume control. FR 10 Hz-20 kHz  $\pm 0.2$  dB; THD 0.005% at 1 kHz; S/N 105 dB; dynamic range 98 dB; ch sep 110 dB. 34 lb ...\$3,495

### CDD CD Transport

Front-loading design; all-metal drawer mechanism. AES/EBU, SPDIF, ECA, and BNC digital outputs. Custom programs; remote-control capability. ST fiber-optic digital output optional ...\$2,495

## DAP D/A Converter

18-bit D/A converter. HDCD decoding; isolation between digital sources. AES/EBU, RCA, BNC, optical ST optical digital inputs; coaxial digital output; RCA and XLR analog outputs. Remote-control capability. FR 10 Hz-20 kHz  $\pm 0.2$  dB; THD 0.005% at 1 kHz; S/N 105 dB; dynamic range 98 dB; ch sep 110 dB. 25 lb ...\$1,995

## REVOX

### E-426/Exception CD Player

1-bit delta-sigma D/A converter. Top-loading design; 256X oversampling; Philips 12.2 transport with hall-effect motor. RCA and BNC digital outputs; RCA and XLR analog outputs. Remote control. Includes balanced cables. FR 20 Hz-20 kHz  $\pm 0.2$  dB; THD 0.003%; S/N 100 dB; dynamic range 106 dB; ch sep 100 dB. 19 x 5 x 16 in; 18 lb ...\$4,500

### S22 Elegance CD Player

Bitstream D/A converter. Continuous-calibration D/A converter; 20-bit digital filter; Philips 12.2 transport. RCA digital output; stereo-analog output. Phase switch; digital output on/off; timing functions; drawer open/close functions; remote controlled programming. FR 20 Hz-20 kHz  $\pm 0.1$  dB; THD 0.003%; S/N 90 dB; dynamic range 105 dB; ch sep 100 dB. Black or silver brushed-aluminum finish. 17 x 4 x 14 in; 9 lb ...\$995

## ROTEL

### RCD 991 CD Player

Dual Burr-Brown D/A converters. HDCD digital filter. XLR and RCA analog outputs; coaxial and optical digital outputs. Tunable dither modes; display brightness control; output phase control; remote control. FR 5 Hz-20 kHz  $\pm 0.5$  dB; THD 0.0035%; S/N 115 dB; dynamic range 100 dB; ch sep 110 dB. 18 1/2 x 4 1/4 x 14 1/4 in ...\$1,300

### RCD 971 CD Player

Dual 20-bit D/A converters. HDCD filter; center-loading mechanism. 2 RCA analog outputs; 1 coaxial digital output. Repeat and scan functions; program file; shuffle function; remote control. FR 5 Hz-20 kHz  $\pm 5$  dB; THD 0.0035%; S/N 115 dB; dynamic range 100 dB; ch sep 110 dB at 1 kHz. Black. 17 1/2 x 3 1/2 x 12 in; 17 lb ...\$700

### RCC 945 6-Disc CD Changer

Dual 1-bit D/A converters. 6-disc magazine. Analog and digital outputs. Random/repeat play; scan; 16-track programming; remote control. FR 20 Hz-20 kHz  $\pm 0.8$  dB; THD 0.01%; S/N 96 dB; dynamic range 93 dB. 17% x 4% x 11 1/4 in ...\$500

### RCD 951 CD Player

Dual 20-bit co-linear D/A converters. HDCD filter/decoder. 2 RCA analog outputs; 1 coaxial digital output. Program, random and repeat play; intro scan; remote control. FR 5 Hz-20 kHz  $\pm 0.5$  dB; THD 0.0035%; S/N 115 dB; dynamic range 100 dB; ch sep 110 dB. Black. 17% x 3% x 12 in; 15 lb ...\$500

### RCC-935 5-Disc CD Changer

1-bit PWM D/A converter. 5-disc carousel. 4X oversampling; delta-sigma noise shaper. Can change discs during play; 32-track programming; random play; repeat play; intro scan; remote control. FR 20 Hz-18 kHz  $\pm 3$  dB; THD 0.02%; S/N 96 dB; ch sep 95 dB. Black. 17% x 4% x 14 1/4 in; 11 lb ...\$350

### RCD-930AX CD Player

Dual 1-bit D/A converters. 2nd-order delta-sigma noise shaping. 21-track programming; random play; repeat play; remote control. FR 20 Hz-20 kHz  $\pm 0.8$  dB; THD 0.01%; S/N 90 dB; dynamic range 90 dB; ch sep 90 dB. 17% x 2 1/2 x 12 in ...\$300

## SHERWOOD

### Newcastle CD-980 CD Player

Dual Burr-Brown PCM63P-K 20-bit D/A converters. 8X oversampling digital filter; 3-beam laser



Rotel RCC 945 carousel CD changer

# CD Components

pickup. Optical digital output; coaxial digital output; headphone output with volume control; gold-plated terminals. 32-track programming; random, repeat, and delete play; Intro scan; track/disc peak search; tape edit/length adjustment; remaining-time and elapsed-time display; display dimmer; front-loading mechanism; remote control. FR 4 Hz-20 kHz; THD 0.001%; S/N 120 dB; dynamic range 108 dB; ch sep 95 dB. Black or titanium. 3-yr warranty. 17% x 4 1/4 x 15 in; 11 lb .....\$500

## CD-7080R CD Player

20-bit D/A converter. 8X oversampling digital filter; 3-beam laser pickup. RCA analog fixed-level outputs; RCA analog variable outputs; coaxial digital output; optical digital output; headphone jack. 32-track programming; A-B repeat; peak search; tape edit; disc/track repeat; remote control. FR 4 Hz-20 kHz  $\pm 0.1$  dB; THD 0.001%; S/N 120 dB; ch sep 93 dB. Black. 17% x 4 3/4 x 15 in; 11 lb .....\$400

## Newcastle CDC-680 5-Disc CD Changer

Dual 1-bit Bitstream D/A converters. 5-disc carousel. 8X oversampling digital filter; 3-beam laser pickup. Coaxial digital output; RCA analog output; headphone jack. 32-track programming; tape-edit/size adjustment; repeat, random, and delete play; random sequential play; intro scan; A-B repeat; headphone volume control; fluorescent display; play exchange; disc loading status; music calendar; track access; display dimmer; DigiLink system; remote control with direct-track access. FR 10 Hz-20 kHz; THD 0.0025%; S/N 110 dB; dynamic range 95 dB; ch sep 93 dB. Black or titanium. 3-yr warranty. 17% x 4 3/4 x 15 in; 13 lb .....\$300

## CDC-5080R 5-Disc CD Changer

Dual 16-bit Bitstream D/A converters. 5-disc carousel. 8X oversampling digital filter; 3-beam laser pickup. RCA analog outputs; coaxial digital output; headphone jack. Peak search; tape edit; 32-track programming; random play; disc/track repeat; remote control. FR 10 Hz-20 kHz  $\pm 0.1$  dB; THD 0.0025%; S/N 110 dB; ch sep 90 dB. Black. 17% x 4 3/4 x 15 in; 13 lb .....\$250

## CDC-6050R 5-Disc CD Changer

Dual 1-bit D/A converters. 5-disc carousel. Front-loading mechanism; 3-beam laser pickup. Headphone jack with volume control. Can change discs while one plays; 32-track programming; delete play; intro scan; random play; 7 repeat modes; synchro record with compatible cassette decks; tape edit; remote direct track access; timer play; music calendar; display dimmer; fluorescent display; remote control .....\$249

## SIGNATURE TECHNOLOGIES

### SRD-23A CD Player

Bitstream D/A converter. Vacuum-tube output stage. Variable analog output; optical digital output; high-quality gold-plated RCA output jacks; headphone jack. Remote control. FR 2 Hz-20 kHz; THD 0.1%; S/N 105 dBA; dynamic range 95 dB; ch sep 94 dB. Black chassis with choice of hand-crafted oak or rosewood enhancements. 18 1/2 x 3 3/4 x 10 1/4 in; 10 lb .....\$1,195

## SONIC FRONTIERS

### Processor 3 Tube D/A Converter

20-bit UltraAnalog D/A converter. 8X oversampling; hybrid current-voltage conversion; vacuum-tube output stage; Pacific Microsonics PMD-100 digital filter/HDCD decoder. AES/EBU, RCA, BNC, optical, ST-glass, and I<sup>2</sup>S interface inputs; RCA and XLR outputs. LED display of all functions. FR 20 Hz-20 kHz  $\pm 0.3$  dB; THD 0.05%; S/N 108 dB; dynamic range 98 dB. Black or gold. 5-yr parts-and-labor warranty. 19 x 4 1/2 x 12 in; 26 lb .....\$6,999

### Transport 3 CD Transport

Low jitter; top-loading transport; machined aluminum chassis; proprietary (IRIS) mechanical design. XLR AES/EBU output; ST-glass output; RCA and

BNC digital outputs; I<sup>2</sup>S connector. Remote control. Silver anodized finish. 5-yr parts-and-labor warranty. 19 x 5 x 14 in; 35 lb .....\$6,999

### Player 1 CD Player

Dual 24-bit D/A converters. 8X oversampling; low-jitter design: HDCD filter/decoding; vacuum-tube output stage; servo controlled; direct-coupled output. AES/EBU, RCA, BNC, ST, and I<sup>2</sup>S digital outputs; RCA and XLR analog outputs. A-B repeat; load, search, and repeat functions; remote control. FR 20 Hz-20 kHz  $\pm 0.2$  dB; THD 0.002%; S/N 115 dB; dynamic range 110 dB; ch sep 90 dB. Black or gold. 5-yr parts-and-labor warranty. 19 x 4 x 12 in; 27 lb .....\$3,499

## SONY

### CDP-XA7ES CD Player

Current-pulse D/A converter. Feed-forward digital filter with 3-stage oversampling, 45-bit internal processing and 20-bit outputs; circuitry to minimize timebase errors; digital servo control for tracking, laser focus, and disc rotation; FET analog amp; copper chassis shielding; spindle motor with sapphire bearings; aluminum front panel and top plate; fixed-pickup laser-tracking assembly; frame and beam construction. Optical and coaxial digital outputs; RCA and XLR analog outputs; headphone jack. 172-disc memory for index points and delete-play selections; 32-track programming; remote direct track access; 15-track music calendar; 8 repeat modes; 3-mode music scan; manual fader; peak-level search; remote control. FR 2 Hz-20 kHz  $\pm 0.3$  dB; THD 0.0015%; S/N 119 dB; dynamic range 100 dB; ch sep 110 dB. 5-yr limited warranty. 17 x 5 x 14 1/4 in; 33 lb .....\$3,000

### MDP-650 Karaoke Combi-Player

1-bit D/A converter. Plays CDs and laserdiscs. Proprietary tri-digital picture circuitry; digital video noise canceler; digital timebase corrector; digital comb filter for S-video outputs. 2 S-video outputs; optical digital output; mic input; headphone jack with volume control. Dual-side play; 8-bit digital video memory for freeze-frame and frame-by-frame advance for CAV/CLV laserdiscs; 1.5/2x video scan with sound; remote direct chapter/track access; CAV-frame or CLV-time search; Theater mode to defeat front-panel display and lower picture black level; last-position memory; 4 repeat modes; 5-way repeat for laserdiscs; karaoke digital echo; mic volume control; on-screen displays; jog/shuttle remote with Sony TV controls and illuminated keys. S/N 115 dB; dynamic range 99 dB. 17 x 4 1/4 x 17 1/4 in .....\$799

### CDP-XA20ES CD Player

Current-pulse D/A converter. Fixed pickup mechanism; 45-bit internal processing, and 20-bit outputs; direct digital synchro; antiresonant top plate and ceramic disc tray; frame and beam construction; aluminum front panel. Optical digital output; 8 complementary D/A-converter outputs; gold-plated analog outputs; headphone jack with volume control. Time, just-time, and program edit to fit tracks on given length of tape; 32-track programming; remote direct track selection; 8 repeat modes; index play; random play; delete play; 3-mode music scan; time/manual fader; peak-level search; 15-track music calendar; remote control. FR 2 Hz-20 kHz  $\pm 0.3$  dB; THD 0.0023%; S/N 115 dB; dynamic range 100 dB; ch sep 110 dB. Black. 5-yr limited warranty. 17 x 4 1/4 x 13 1/4 in; 15 lb .....\$700

### CDP-XA1ES CD Player

High-density linear D/A converter. Full feed-forward digital filter with 3 stage oversampling; clamp-roller antivibration mechanism; 45-bit internal processing, and 20-bit outputs. Headphone jack with volume control; 8-complementary D/A-converter outputs. 32-track programming; 10-key direct track selection; 3-mode music scan; random play; delete play; 7 repeat modes; peak-level search; time/manual fader; 20-track music calendar; remote control. FR 2 Hz-20 kHz  $\pm 0.5$  dB; THD 0.0027%; S/N 108

dB; dynamic range 99 dB; ch sep 103 dB. Black. 5-yr limited warranty. 17 x 4 1/4 x 11 1/4 in; 8 lb .....\$350

### CDP-XE500 CD Player

Hybrid-pulse D/A converter. 8X oversampling digital filter; digital servo control; antiresonant insulator feet. Optical digital output; line-level output. Jog dial track search; 24-track programming; 20-track music calendar; 3 play modes; 2 repeat modes; time and program edit; peak search; 3-mode music scan; time fade; timer switch. FR 2 Hz-20 kHz  $\pm 0.5$  dB; THD 0.0045%; S/N 100 dB; dynamic range 98 dB; ch sep 95 dB. 17 x 3 3/4 x 14 1/2 in; 7 lb .....\$200

### CDP-XE400 CD Player

Hybrid-pulse D/A converter. 8X oversampling digital filter; digital servo control; antiresonant insulator feet. Line-level output. Jog dial track selection; 24-track programming; 20-track music calendar; 3 play modes; 2 repeat modes; time and program edit; peak search; 3-mode music scan; time fade; time switch; remote compatible with Sony receivers. FR 2 Hz-20 kHz  $\pm 0.5$  dB; THD 0.0045%; S/N 100 dB; dynamic range 98 dB; ch sep 95 dB. Black. 17 x 3 3/4 x 14 1/2 in; 7 lb .....\$180

## CD Changers

### CDP-CX90ES 200-Disc CD Changer

Current pulse D/A converter. 200-disc vertical rack. Direct digital synchro; digital servo control; feed-forward digital filter. Computer-keyboard input; optical digital output. 400-disc master control with a second 200 CD changer; on-screen disc management; CD Text; 200-disc custom file memory; S-link system interface; remote control. FR 2 Hz-20 kHz  $\pm 0.3$  dB; THD 0.0025%; S/N 116 dB; dynamic range 100 dB; ch sep 110 dB. 5-yr limited warranty. 17 x 7 3/4 x 19 in; 22 lb .....\$1,100

### CDP-CX270 200-Disc CD Changer

Hybrid-pulse D/A converter. 200-disc mechanism. 8X oversampling digital filter; digital servo control. IBM-PS/2 keyboard input; optical digital output; AC outlet. Graphical user interface; 400-disc master control capability; cross fade; custom file/label systems for groups, discs, tracks; delete bank; disc scan; timer switch; S-Link; jog/dial control; 3 multidisc 32-track programs; 6 play modes; 3 repeat modes; CD Text; remote control. FR 2 Hz-20 kHz  $\pm 0.5$  dB; S/N 110 dB; dynamic range 99 dB; ch sep 105 dB. 17 x 17 1/4 x 19 in; 20 lb .....\$1,000

### CDP-CA9ES 5-Disc CD Changer

Current-pulse D/A converter. 5-disc carousel. Direct digital synchro; feed-forward digital filter with 3-stage oversampling, 45-bit internal processing, and 20-bit outputs; aluminum front panel. Optical digital output; gold-plated analog outputs; remote-variable line-level output; headphone jack with volume control; 8 complementary D/A-converter outputs. Can change 4 discs while one plays; 172-disc Custom File memory; 8-character disc naming for display; can categorize favorite tracks into 4 groups; tape edit; remote direct track access; direct disc access; 32-track programming; 3 mode music scan; random play; peak-level search; manual fader; remote control. FR 2 Hz-20 kHz  $\pm 0.3$  dB; THD 0.0023%; S/N 117 dB; dynamic range 100 dB; ch sep 110 dB. 5-yr limited warranty. 17 x 5 x 15 1/4 in; 17 lb .....\$700

### CDP-CX260 200-Disc CD Changer

Hybrid-pulse D/A converter. 200-disc vertical rack. Digital servo control. Computer-keyboard input; second CD input; optical digital output; S-link interface; line-level output. Jog/dial disc select; 32-track programming; 5 play modes; 3 repeat modes; custom file/label systems for groups, discs, and tracks; cross-fade play; no-delay play; manual fader; memo scan; memo search; remote control. FR 2 Hz-20 kHz  $\pm 0.5$  dB; THD 0.0045%; S/N 108 dB; dynamic range 98 dB; ch sep 100 dB. Black. 17 x 7 3/4 x 18 1/4 in; 21 lb .....\$660

### CDP-CX70ES 200-Disc CD Changer

200-disc vertical rack. FR 2 Hz-20 kHz  $\pm 0.3$  dB;

# CD Components

THD 0.0035%; S/N 110 dB; dynamic range 98 dB; ch sep 100 dB. Black. 5-yr limited warranty. 17 x 7 7/8 x 19 in; 20 lb .....\$650

## CDP-C910 10-Disc CD Changer

1-bit D/A converter. 10-disc magazine. 45-bit digital filter; direct digital synchro. Optical digital output; remote-variable line-level output; headphone jack with volume control. Magazine compatibility with Sony car CD changers; 184-disc Custom File memory for 8-character disc names, volume levels, and track programming; time, program, and link edit to fit tracks to a tape length; direct track/disc access; 3-mode music scan; random play; 7 repeat modes; 32-track programming; time/manual fader; peak-level search; timer switch; 20-track music calendar; remote control. FR 2 Hz-20 kHz  $\pm 0.3$  dB; S/N 110 dB; dynamic range 100 dB; ch sep 105 dB. 17 x 5 x 14 1/2 in; 14 lb .....\$600

## CDP-CA8ES 5-Disc CD Changer

Current-pulse D/A converter. 5-disc carousel. Feed-forward digital filter with 3-stage oversampling, 45-bit internal processing, and 20-bit outputs; direct digital synchro; digital servo control. Optical digital output; gold-plated analog outputs; remote-variable line-level output; headphone jack with volume control. Antiresonant aluminum front panel; can change 4 discs during play; tape edit; remote direct track access; direct disc access; 32-track programming; 3 mode music scan; manual fader; peak level search; 6 play modes; 6 repeat modes; random play; remote control. FR 2 Hz-20 kHz  $\pm 0.3$  dB; THD 0.0025%; S/N 117 dB; dynamic range 100 dB; ch sep 110 dB. Aluminum front panel. 5-yr limited warranty. 17 x 5 x 15 1/2 in; 15 lb .....\$550

## CDP-CX240 200-Disc CD Changer

Hybrid-pulse D/A converter. 200-disc vertical rack. 8X digital oversampling; digital servo control. Optical digital output; S-link interface; computer-keyboard input; line-level output. Jog-dial disc selection; 32-track programming; 5 play modes; 3 repeat modes; disc memo display; memo scan; delete bank; custom file/label systems for groups, discs, and tracks; timer switch; cross fade; CD Text display; dot matrix display; remote control. FR 2 Hz-20 kHz  $\pm 0.5$  dB; THD 0.0045%; S/N 107 dB; dynamic range 98 dB; ch sep 100 dB. Black. 17 x 7 7/8 x 18 1/2 in; 21 lb .....\$480

## CDP-CX255 200-Disc CD Changer

Hybrid-pulse D/A converter. 200-disc internal-storage mechanism. 8X oversampling digital filter; digital servo control; patented CD changer operation. Optical digital output. Custom file/label systems for groups, discs, and tracks; CD Text; delete bank; memo scan; disc scan; memo search; S-Link; jog/dial control; 3 multidisc 32-track programs; 3 repeat modes; remote control. FR 2 Hz-20 kHz  $\pm 0.5$  dB; S/N 107 dB; dynamic range 98 dB; ch sep 100 dB. 17 x 17 1/2 x 19 in; 20 lb .....\$449

## CDP-CX205 200-Disc CD Changer

Hybrid-pulse D/A converter. 200-disc mechanism. 8X oversampling digital filter; digital servo control. Custom File for 8 groups; S-Link; jog/dial control; multidisc 32-track programming; 6 play modes; 3 repeat modes; remote control. FR 2 Hz-20 kHz  $\pm 0.5$  dB; S/N 100 dB; dynamic range 98 dB; ch sep 95 dB. 17 x 17 1/2 x 19 in; 20 lb .....\$420

## CDP-CX220 200-Disc CD Changer

Hybrid-pulse D/A converter. 200-disc vertical rack. 8X oversampling digital filter; digital servo control. Optical digital output; S-link interface; line-level output. Jog/dial disc selection; 32-track programming; 5 play modes; 3 repeat modes; block file organizes CDs into 8 areas; timer switch; CD Text display; dot matrix display; remote control. FR 2 Hz-20 kHz  $\pm 0.5$  dB; THD 0.0045%; S/N 105 dB; dynamic range 98 dB; ch sep 97 dB. Black. 17 x 7 7/8 x 18 1/2 in; 21 lb .....\$360

## CDP-CA7ES 5-Disc CD Changer

90-MHz high-density linear D/A converter. 5-disc

carousel. Feed-forward digital filter; 3-stage oversampling; 45-bit internal processing, and 20-bit outputs; digital servo control; HDCD converter; copper chassis shielding. Gold-plated analog outputs; optical digital output; 8 D/A converter outputs; line-level output; headphone jack. Can change 4 discs while one plays; tape edit; remote direct-track access; 3-mode music scan; 32-track programming; 20-track music calendar; random play; 6 repeat modes; remote control. FR 2 Hz-20 kHz  $\pm 0.3$  dB; THD 0.0025%; S/N 116 dB; dynamic range 100 dB; ch sep 110 dB. 5-yr limited warranty. 17 x 5 x 15 1/2 in; 13 lb .....\$350

## CDP-CX210 200-Disc CD Changer

Hybrid-pulse D/A converter. 200-disc vertical rack. 8X oversampling digital filter; digital servo control. S-link interface; line-level output. Jog-dial disc selection; 32-track programming; 5 play modes; 3 repeat modes; block file organizes the CDs into 8 areas; remote control. FR 2 Hz-20 kHz  $\pm 0.3$  dB; THD 0.0045%; S/N 100 dB; dynamic range 98 dB; ch sep 95 dB. Black. 17 x 7 7/8 x 18 1/2 in; 11 lb .....\$300

## CDP-CX57 51-Disc CD Changer

Pulse-flow D/A converter. 50-disc vertical rack plus single-disc tray. 8X oversampling digital filter; pulse D/A converter. Optical digital output; S-link interface; line-level output; second CD input. Jog-dial disc selection; 32-track programming; custom file memory; disc memory display; memo scan; delete bank; cross-fade; CD Text display; 5 play modes; 3 repeat modes; dot matrix display; remote control. FR 2 Hz-20 kHz  $\pm 1$  dB; THD 0.013%; S/N 107 dB; dynamic range 88 dB; ch sep 100 dB. Black. 17 x 7 7/8 x 11 1/2 in; 11 lb .....\$280

## CDP-CE525 5-Disc CD Changer

Hybrid-pulse D/A converter. 5-disc carousel. 8X oversampling digital filter; digital servo control. Optical digital output; S-link interface; line-level output; headphone jack. Can control second changer for enhanced CD storage; cross-fade play; no-delay play; CD Text; disc and name display; custom file memory; can change 4 discs during play; 20-track music calendar; 3-mode music scan; remote control. FR 2 Hz-20 kHz  $\pm 0.5$  dB; THD 0.004%; S/N 107 dB; dynamic range 98 dB; ch sep 100 dB. Black. 17 x 4 3/4 x 15 1/2 in; 12 lb .....\$250

## CDP-CX53 51-Disc CD Changer

Pulse-flow D/A converter. 50-disc vertical rack plus single-disc tray. 8X oversampling digital filter. Optical digital output; S-link interface; line-level output. Jog dial disc selection; 32-track programming; 4 play modes; 3 repeat modes; block file organizes CDs into 5 areas plus one instant play slot; remote control. THD 0.013%; S/N 100 dB; dynamic range 88 dB; ch sep 95 dB. Black. 17 x 7 7/8 x 11 1/2 in; 12 lb .....\$250

## CDP-CE515 5-Disc CD Changer

Hybrid-pulse D/A converter. 5-disc carousel. Digital servo control; 18-bit digital filter; direct digital synchro; off-center insulator feet; patented master controller. Optical digital output; headphone jack with volume control. Can change 4 discs while one plays; direct track/disc access; 20-track music calendar; 3 repeat modes; random play; tape edit; 3-mode music scan; peak-level search; time/manual fader; timer switch; 32-track programming; digital volume control; CD Text; delete play; disc check; S-Link; remote control. FR 2 Hz-20 kHz  $\pm 0.5$  dB; S/N 107 dB; dynamic range 98 dB; ch sep 100 dB. 17 x 5 x 15 1/2 in; 12 lb .....\$249

## CDP-CX55 51-Disc CD Changer

Hybrid-pulse D/A converter. 50-disc mechanism plus single-disc slot. 4X oversampling digital filter; jitter-reducing circuitry; short signal path. Proprietary auxiliary input; 1 analog output; 1 optical digital output. 32-track programming; jog/dial control; 4 play modes; 3 repeat modes; fluorescent display; proprietary master controller; proprietary cross-back play; S-Link; memo scan and search; custom file/label systems for groups, discs, and tracks; CD

Text-ready. FR 2 Hz-20 kHz  $\pm 1$  dB; THD 0.013%; S/N 88 dB. 17 x 7 7/8 x 19 in; 11 lb .....\$249

## CDP-CE315 5-Disc CD Changer

Hybrid-pulse D/A converter. 5-disc carousel. Digital servo control; 8X oversampling. Line-level output. Jog/dial for disc/track selection; 32-track programming; 20-track music calendar; disc check; peak search; time edit; time fade; play exchange; remote control. FR 2 Hz-20 kHz  $\pm 0.5$  dB; THD 0.004%; S/N 102 dB; dynamic range 98 dB. Black. 17 x 4 3/4 x 15 1/2 in; 12 lb .....\$220

## CDP-CE415 5-Disc CD Changer

Hybrid-pulse D/A converter. 5-disc carousel. 8X oversampling digital filter; digital servo control; patented master controller. Variable line-level output via digital volume control; patented auxiliary input. Can change 4 discs while 1 plays; 10-key track selection; 5-key disc selection; disc check; jog/dial track search; 32-track programming; 5 play modes; 3 repeat modes; time, program, and multidisc program edit; peak search; 3-mode music scan; time fade; auto start; no-delay play; cross-fade play. FR 2 Hz-20 kHz  $\pm 0.5$  dB; S/N 102 dB; dynamic range 98 dB; ch sep 100 dB. 17 x 4 3/4 x 15 in; 12 lb .....\$199

## CDP-CX50 51-Disc CD Changer

Hybrid-pulse D/A converter. 50-disc mechanism plus single-disc slot. 4X oversampling digital filter; jitter-reducing circuitry. 1 analog output. 32-track programming; jog/dial control; 4 play modes; 3 repeat modes; fluorescent display; remote controllable. FR 2 Hz-20 kHz  $\pm 1$  dB; THD 0.013%; S/N 88 dB. 17 x 7 7/8 x 19 in; 11 lb .....\$199

## CDP-CE215 5-Disc CD Changer

Hybrid-pulse D/A converter. 5-disc carousel. 8X oversampling digital filter; digital servo control. Line-level output. Can change 4 discs during play; jog/dial direct access; 32-track programming; 20-track music calendar; disc check; peak search; time edit; time fade; remote control compatible with Sony receiver. FR 2 Hz-20 kHz  $\pm 0.5$  dB; THD 0.0045%; S/N 102 dB; dynamic range 98 dB. Black. 17 x 4 3/4 x 15 in; 12 lb .....\$190

## Portable CD Players

The following have 1-bit D/A converters and headphone jacks, and include headphones, AC adapters, and power cords.

## D-E705 Portable CD Player

Electronic shock protection; 20-hr play; slim-profile design; bass-boost system; heat-resistant lid; built-in battery recharger. MD-link digital optical output; 4.5-V DC input; line-level output. 22-track programming; 10 play modes; resume play. Operates on 2 AA batteries. Includes carrying case. FR 20 Hz-20 kHz  $+1, -2$  dB. 4 1/2 x 3 3/4 x 3 in; 7 oz .....\$200

## D-M805 Portable CD Player

10-sec shock protection; heat-resistant case and lid. Line-level output. Battery charger for BP-DM 10/20 4.5-V DC input; illuminated keys and LCD; disc window illumination; digital bass boost; 10 play modes; 2-position auto volume limiter; remote control. Includes car battery cord and cassette adapter. 5 1/2 x 1 1/2 x 6 1/2 in; 16 oz .....\$200

## D-ES51 Portable CD Player

Electronic shock protection; 14-hr play; water resistant; bass-boost system; built-in battery recharger. 4.5-V DC input; headphone jack. 22-track programming; 10 play modes; resume play. Operates on 2 AA batteries. FR 20 Hz-20 kHz  $+1, -2$  dB. 5 1/2 x 1 1/2 x 5 1/2 in; 12 oz .....\$180

## D-E405 Portable CD Player

Electronic shock protection; 14-hr play; bass-boost system; built-in battery recharger. 4.5-V DC input; 4-pin remote input; headphone jack. 22-track programming; 10 play modes. Operates on 2 AA batteries. Includes rechargeable battery and headphones with remote control. FR 20 Hz-20 kHz  $+1, -2$  dB. 5 x 1 x 5 1/2 in; 8 oz .....\$150

# CD Components

## D-E301 Portable CD Player

10-sec electronic shock protection; mechanical suspension system. Line output. Digital bass boost; 10 play modes; 2-position auto-volume limiter; resume play. Black and metallic gray. 5 1/2 x 1 1/4 x 6 1/4 in; 16 oz .....\$140

## SYMPHONIC LINE

### CD-Reference CD Player

20-bit D/A converter. Digital outputs. FR 1 Hz-50 kHz. Aranya chrome. 5-yr warranty. 18 x 4 x 14 in; 70 lb .....\$7,500

## TANDBERG

### TCP 4035 CD Player

18-bit D/A converter. Antivibration CD stabilizer. FR 20 Hz-20 kHz  $\pm 0.5$  dB. 17 1/4 x 3 1/4 x 13 3/4 in; 15 lb .....\$1,499

## TEAC

### VRDS-25 CD Player

Four 20-bit D/A converters. 25-bit 8X oversampling digital filter; vibration-free disc-clamping system; 3rd-order Butterworth analog filter; digital servo system. Coaxial and optical digital outputs. 20-track random programming; remote fluorescent-display on/off/dimmer control; track and index search; 3-way repeat function; time display; auto fade in/out; remote control. FR 1 Hz-20 kHz  $\pm 0.3$  dB; THD 0.0015% at 1 kHz; S/N 110 dB; dynamic range 99 dB. Black brushed-aluminum finish. 17 1/2 x 6 x 13 1/2 in; 37 lb .....\$2,700

### VRDS-10SE CD Player

8-bit double-differential Bitstream D/A converter. 20-bit 8X oversampling; vibration-free disc-clamping system; 3rd-order proprietary analog filter. RCA analog outputs; coaxial and optical digital outputs. 20-track random/delete programming; track and index selection; 3-way repeat function; remote fluorescent display on/off/dimmer; remote control. FR 1 Hz-20 kHz  $\pm 0.3$  dB; THD 0.0013% at 1 kHz; S/N 110 dB; dynamic range 99 dB. Black brushed-aluminum finish. 17 1/2 x 5 1/4 x 13 1/4 in; 25 lb .....\$2,100

### VRDS-T1 CD Transport

Center-mount drive; copper-plated main chassis and rear panel. Coaxial and optical digital outputs. Track/index search; 20-track conventional/delete programming; 4 repeat modes; remote control. 17 1/2 x 6 x 13 1/4 in .....\$1,199

### D-T1 D/A Converter

Double-differential Bitstream D/A converter. 18-bit digital filter; 3rd-order Butterworth analog filter; solid-aluminum front panel; copper main-chassis plating. 2 coaxial and 2 optical outputs. S/N 110 dB. 17 1/2 x 4 1/4 x 13 1/4 in .....\$900

### AD-500 CD Player/Cassette Deck

Dual 1-bit D/A converters. 4X oversampling; 16-bit linear/channel D/A converter. RCA line-level inputs and outputs. Shuffle, random, and 3-way repeat play modes; Intro scan; music calendar; CD-to-tape and tape-to-CD continuous play; timer play; fluorescent display; full-function remote control. FR 10-20 kHz  $\pm 5$  dB; THD 0.02% at 1 kHz; S/N 90 dB. Ebony. 17 1/2 x 5 3/4 x 11 1/2 in; 12 lb .....\$389

### PD-X100 101-Disc CD Changer

1-bit D/A converter. 100-disc mechanism plus single-disc slot. 8X oversampling digital filter; disc categorizing; 32-selection random memory programming; intro scan; music skip; shuffle play; 6 repeat play modes; 38-key remote control; title, title display, and title search capabilities; 3-in CD play. 3-beam laser pickup optional. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.7% at 1 kHz; S/N 95 dB; ch sep 90 dB at 1 kHz. 17 1/2 x 7 1/4 x 14 in; 18 lb .....\$389

### PD-D2400 5-Disc CD Changer

Dual 16-bit D/A converters. 5-disc carousel. Front-loading mechanism; 18-bit 8X oversampling digital

filter; 3-beam laser pickup. Headphone jack with volume control. Intro scan; 32-track programming; random play; 2 repeat modes; music calendar; 7-digit fluorescent display; Teac UR-system remote control. FR 5 Hz-20 kHz  $\pm 1$  dB; S/N 100 dB; ch sep 85 dB at 1 kHz. 17 1/2 x 4 1/4 x 14 1/4 in .....\$249

### CD-P1120 CD Player

16-bit D/A converter. Center-mounted mechanism; double-resolution digital filter; high-resolution 3-beam laser pickup. Headphone jack with level control. 16-track programming; operation mode indicators (play/pause, program); 6-digit LCD; 3-way repeat; Teac unified remote control. FR 20 Hz-20 kHz  $\pm 1$  dB; THD 0.8% at 1 kHz; S/N 90 dB; dynamic range 90 dB; ch sep 80 dB at 1 kHz. 17 1/2 x 3 3/4 x 11 in; 9 lb .....\$189

## TECHNICS

*The following CD changers feature delete play, spiral play (plays the first track from each disc, then the second from each disc, and so on), 32-track programming, random play, 4 repeat modes, and 1-bit MASH D/A conversion.*

### SL-PS770D CD Player

Digital servo system; antivibration chassis; center-mount transport. Optical digital output; headphone jack with volume control. Time fade; peak-level search; illuminated play buttons; 10-key direct access; 20-track programming; fluorescent display; auto cue; remote control. FR 2 Hz-20 kHz  $\pm 0.3$ , -0 dB; THD 0.0023%; S/N 115 dB; dynamic range 100 dB. 17 x 4 1/2 x 11 1/2 in; 13 lb .....\$400

### SL-MC6D 61-Disc CD Changer

60-disc mechanism plus single-disc slot. Digital servo system; front-loading mechanism; easy-access disc-replacement system. Direct program and ID scan; single, program, random, and repeat play modes; group play function with 14 preset musical genre names; remote control. FR 2 Hz-20 kHz  $\pm 1$  dB; THD 0.007%; S/N 100 dB; dynamic range 92 dB. 17 x 6 1/4 x 15 1/4 in; 14 lb .....\$300

### SL-MC70 61-Disc CD Changer

60-disc mechanism plus single-disc slot. Digital servo system; quick-play mechanism. Group play function with 14 preset musical genre name; direct program and ID scan; remote control. Includes notebook for filing CD liner notes. FR 2 Hz-20 kHz  $\pm 1$  dB; THD 0.007%; S/N 100 dB; dynamic range 92 dB. 17 x 6 1/4 x 15 1/4 in; 12 lb .....\$230

### SL-PD988 5-Disc CD Changer

5-disc carousel. Digital servo system. Quick load; auto cue; disc-location display; ID scans; random play with delete programming; pitch control  $\pm 12.5$ %; remote control. FR 2 Hz-20 kHz  $\pm 1$  dB; THD 0.007%; S/N 100 dB; dynamic range 92 dB. 17 x 5 x 14 1/4 in; 14 lb .....\$230

### SL-MC3 61-Disc CD Changer

60-disc mechanism plus single-disc slot. Front-loading mechanism. CD Text search; text edit function; telephone style 10-key pad; quick load; quick single play; group play function with 14 preset musical genre name; direct program and ID scan; LED display; remote control. Includes notebook for filing CD booklets. THD 0.007%; S/N 100 dB; dynamic range 92 dB. 17 x 17 x 15 1/2 in; 18 lb .....\$200

### SL-MC6 111-Disc CD Changer

110-disc mechanism plus single-disc slot. Digital servo system. CD Text search; telephone-style 10-key pad; quick load; group play function with 14 preset genre name; direct program and ID scan; LED display. Includes notebook for filing CD liner. FR 2 Hz-20 kHz  $\pm 1$  dB; THD 0.007%; S/N 100 dB; dynamic range 92 dB. Black. 17 x 6 1/4 x 15 1/2 in; 18 lb .....\$200

### SL-PD888 5-Disc CD Changer

5-disc carousel. Digital servo system; quick load mechanism. Fluorescent display; ID scan; delete

programming; remote control. FR 2 Hz-20 kHz  $\pm 1$  dB; THD 0.007%; S/N 100 dB; dynamic range 92 dB. 17 x 4 1/4 x 14 1/4 in; 14 lb .....\$180

### SL-PD688 5-Disc CD Changer

5-disc carousel. Digital servo system; quick-load mechanism; fluorescent display; full random, one-disc random, and spiral play; delete programming; remote control. FR 2 Hz-20 kHz  $\pm 1$  dB; THD 0.007%; S/N 100 dB; dynamic range 92 dB. 17 x 5 x 14 1/4 in; 13 lb .....\$160

### SL-PG480A CD Player

Digital servo system; center-load transport. Optical digital output. Peak-level search; 20-track programming; fluorescent display; random play; auto cue; remote control. FR 2 Hz-20 kHz  $\pm 1$  dB; THD 0.007%; S/N 100 dB; dynamic range 92 dB. 17 x 5 1/2 x 11 1/4 in; 9 lb .....\$150

## THETA DIGITAL

### DS Pro Generation V 96K D/A Converter

24-bit D/A converter. 96-kHz/24-bit processing capability. XLR output. Black or silver. 10-yr warranty .....\$5,895  
As above, with RCA output .....\$4,095

### DS Pro Generation V-a D/A Converter

Four 20-bit D/A converters. Pure Class A discrete analog section. 5 digital inputs; XLR and RCA outputs; summed RCA outputs. HDCD decoding optional. THD 0.002%; S/N 120 dB .....\$5,595  
As above without XLR connectors .....\$3,795

### DS Pro Basic III-a D/A Converter

Four 20-bit D/A converters. 5 digital inputs; XLR and RCA outputs; summed RCA outputs. HDCD decoding optional. THD 0.002%; S/N 120 dB .....\$2,695

### Miles CD Player

Hybrid 1-bit/18-bit D/A converter. Proprietary digital filter and jitter reduction circuitry; analog volume control. RCA and XLR analog inputs; coaxial digital input; AES/EBU and ST digital outputs. Remote control. FR 0 Hz-21 kHz  $\pm 0.1$  dB; THD 0.002%; S/N 108 dB; dynamic range 108 dB. Silver or black. 3-yr electronics warranty. 19 x 4 x 14 in; 22 lb .....\$2,500  
As above, no XLR or ST-digital connectors .....\$2,095

### Jade CD Transport

Precision reclocking buffer for time-correct signal, antijitter circuitry. AES/EBU, RCA, BNC, and optical digital outputs. 24-track programming; random play; remote control. Black or silver .....\$2,495

### DS Pro Prime II-a D/A Converter

Two 18-bit D/A converters. 2 digital inputs; XLR and RCA outputs; summed RCA outputs. THD 0.002%; S/N 108 dB .....\$1,495

### Pearl CD Transport

Jitter-reduction circuitry. Coaxial output. Remote control. AES/EBU, single-mode-Laserlingue, and ST outputs optional. Silver or black. 3-yr electronics warranty. 19 x 4 x 14 in; 19 lb .....\$1,235

### DS Pro Progeny-a D/A Converter

18-bit D/A converter. 2 digital inputs. THD 0.008%; S/N 102 dB .....\$995

### Chroma 396 D/A Converter

18-bit D/A converter. HDCD decoding. 2 digital inputs. THD 0.01%; S/N 102 dB .....\$829  
As above without HDCD decoding .....\$750

## THORENS

### TCD 2000 CD Player

1-bit Bitstream D/A converter. 3-point spring damping; steel case for optimum shielding. RCA analog outputs. FR 20 Hz-20 kHz  $\pm 0.2$  dB; THD 0.0017%; S/N 110 dB. 8 1/4 x 3 3/4 x 13 1/4 in; 14 lb .....\$2,500

### TDA 2000 D/A Converter

Dual 1-bit D/A converters. 192X oversampling;

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## CD Components

passive de-emphasis filter. 1 optical and 2 RCA digital inputs; 1 digital output. FR 5 Hz-20 kHz; THD 0.0009%; S/N 113 dB; dynamic range 111 dB. 8 1/4 x 3 3/4 x 13 3/4 in; 11 lb .....\$1,800

### TUBE TECHNOLOGY

#### Fulcrum CD Transport

Optical, BNC and AES/EBU digital outputs. Proprietary technology to improve performance with damaged CDs; remote control. Black; available in silver. 14 x 3 1/2 x 10 1/4 in .....\$1,700

### ULTECH AUDIO

#### HDCC-10 D/A Converter

Dual 20-bit Burr-Brown PCM-1702 D/A Converters. HDCC decoder. Coaxial and optical inputs. S/N 103 dB .....\$895

#### UCD-100 CD Player

Dual 20-bit Burr-Brown PCM-1702 D/A Converters. HDCC filter/decoder; 256X oversampling. 2 analog outputs; 1 coaxial digital output. Backlit display; 21-track programming; repeat mode; time display; remote control. FR 5 Hz-20 kHz ±1 dB; THD 0.001%; S/N 110 dB. Black anodized. 3-yr warranty. 17 x 5 x 14 in; 19 lb .....\$895

### VAC

#### CDP-1 CD Player

18-bit laser-trimmed ladder D/A converter. 8X oversampling; Class A tube output stage, HDCC filter/decoder; nonmagnetic chassis; VRDS CD mechanism. Coaxial digital output. Remote control. Standard powder coat finish; available in custom colors, wood, or leather. 5-yr warranty. 20 1/4 x 7 1/4 x 16 1/4 in; 29 lb .....\$8,290

#### DAC MkII Tube D/A Converter

Two dual-differential 1-bit D/A converters. Class A triode tube differential analog circuitry; passive logic. 2 coaxial digital inputs; coaxial and XLR outputs. Status-indicator tube; auto sampling-rate selection. AES/EBU inputs optional. 18 x 6 x 13 1/4 in; 25 lb .....\$5,490

#### Model 22.1 Tube D/A Converter

Laser-trimmed 18-bit Analog Devices D/A converter. HDCC decoding; Class A triode tube analog stage; nonmagnetic chassis. 2 coaxial inputs. Phase-reverse switch; auto turn-on mute; compatibility with sampling rates ranging from 28 to 50 kHz; digital and analog power indicators. 18 x 3 1/2 x 11 in; 15 lb .....\$2,190

### WADIA DIGITAL

#### Wadia 860 CD Player

Jitter-reduction technology; variable analog output voltage; patented filter system; 32X oversampling rate; full D/A converter architecture provides 21-bit resolution; patented spinning mechanism; 3-beam objective glass lens pickup; aluminum-plate chassis. Optical, ST-glass, coaxial, and AES/EBU digital inputs and outputs; 1 XLR analog output; 1 RCA analog output. Digital volume control; aluminum body remote control. 17 x 6 1/2 x 16 1/2 in; 48 lb .....\$7,450

#### Wadia 850 CD Player

Jitter-reduction technology; variable-analog output voltage; patented filter system; 32X oversampling; full differential D/A converter architecture provides true 21-bit resolution; patented spinning mechanism; aluminum-plate chassis. 1 XLR and 1 RCA analog outputs. Digital volume control; aluminum body remote control. 17 x 6 1/2 x 16 1/2 in; 48 lb .....\$4,950

#### Model 830 CD Player

21-bit D/A converter. Jitter reduction circuits; variable analog output voltage; patented filter system; 32X oversampling; 3-beam objective glass lens pickup; hybrid aluminum-plated sheet-metal chas-

sis. Digital volume control; remote control. Digital inputs/outputs and PhaseLink communication ports optional. 17 x 4 x 14 in; 16 lb .....\$3,250

### Wadia WT-2000 Upgrade

Upgrade kit to WT-2000 CD transport featuring PS-2 transport upgrade; Optical, ST-glass, and coaxial digital output .....\$1,750

### WOODSIDE

#### DVAC-18 Tube D/A Converter

DC-coupled tube amplifier with two 6SN7/6SL7 double triodes per channel. 4 coaxial digital inputs; 1 digital output; RCA outputs. Auto sampling-rate selection from 32 to 48 kHz; phase-reverse switch; LED indicator for input signal lock. 17 x 3 1/2 x 14 in; 10 lb .....\$2,395

### YAMAHA

#### CDX-393 CD Player

1-bit D/A converters. Intelligent digital servo. Analog output. 20-track programming; 4-mode time display; tape edit; CD synchro start with compatible cassette deck; peak search; index search; 10-key pad on front panel; remote control. FR 20 Hz-20 kHz ±0.5 dB; THD 0.003%; S/N 105 dB; dynamic range 95 dB. 17 1/2 x 3 3/4 x 10 1/4 in; 9 lb .....\$219

### CD Changers

#### CDM-900 111-Disc CD Changer

1-bit D/A converter. 110-disc vertical rack plus single-disc slot. Optical digital output; analog output. Input/output control port for custom installations; 5-group, artist, and title custom-files; random and repeat plays; intro scan; Index search; CD Text; remote control; daisy-chain connection for play and control of another unit. FR 2 Hz-20 kHz; THD 0.003%; S/N 106 dB; dynamic range 96 dB. Black. 17 1/2 x 7 x 15 1/4 in; 14 lb .....\$499

#### CDC-765 5-Disc CD Changer

Yamaha S-bit Plus D/A converter. 5-disc carousel. 4 D/A converters; 8X oversampling; intelligent digital servo; Pro-Bit Digital technology translates 16-bit signal to 20-bit signal for audio resolution; super-silent mechanism. Optical digital output. 40-track programming; program file; table of contents (TOC) memory; input/output control port for custom installations; synchro start; intro scan; Index scan; 3-way music search; music calendar; tape edit; peak search; 10-key direct access; 33-key remote control. FR 20 Hz-20 kHz ±0.5 dB; THD 0.0025%; S/N 115 dB; dynamic range 100 dB. 17 1/2 x 4 1/4 x 15 1/4 in; 17 lb .....\$349

#### CDC-665 5-Disc CD Changer

Yamaha S-bit Plus D/A converter. 5-disc carousel. 4 D/A converters; 8X oversampling; intelligent digital servo; super-silent mechanism; synchro start. Analog output. 20-track programming; index search; music calendar; Intro scan; tape edit; peak search; 3-level display illumination; 10-key direct access; 33-key remote control. FR 20 Hz-20 kHz ±0.5 dB; THD 0.003%; S/N 106 dB; dynamic range 96 dB. 17 1/2 x 4 1/4 x 15 1/4 in; 17 lb .....\$269

#### CDC-565 5-Disc CD Changer

Yamaha S-bit Plus D/A converter. 5-disc carousel. 4 D/A converters; 8X oversampling; intelligent digital servo; super-silent mechanism. Analog output. 20-track programming; synchro start; index search; 3-way music search; music calendar; intro scan; 31-key remote control. FR 20 Hz-20 kHz ±0.5 dB; THD 0.004%; S/N 102 dB; dynamic range 95 dB. 17 1/2 x 4 1/4 x 15 1/4 in; 17 lb .....\$199

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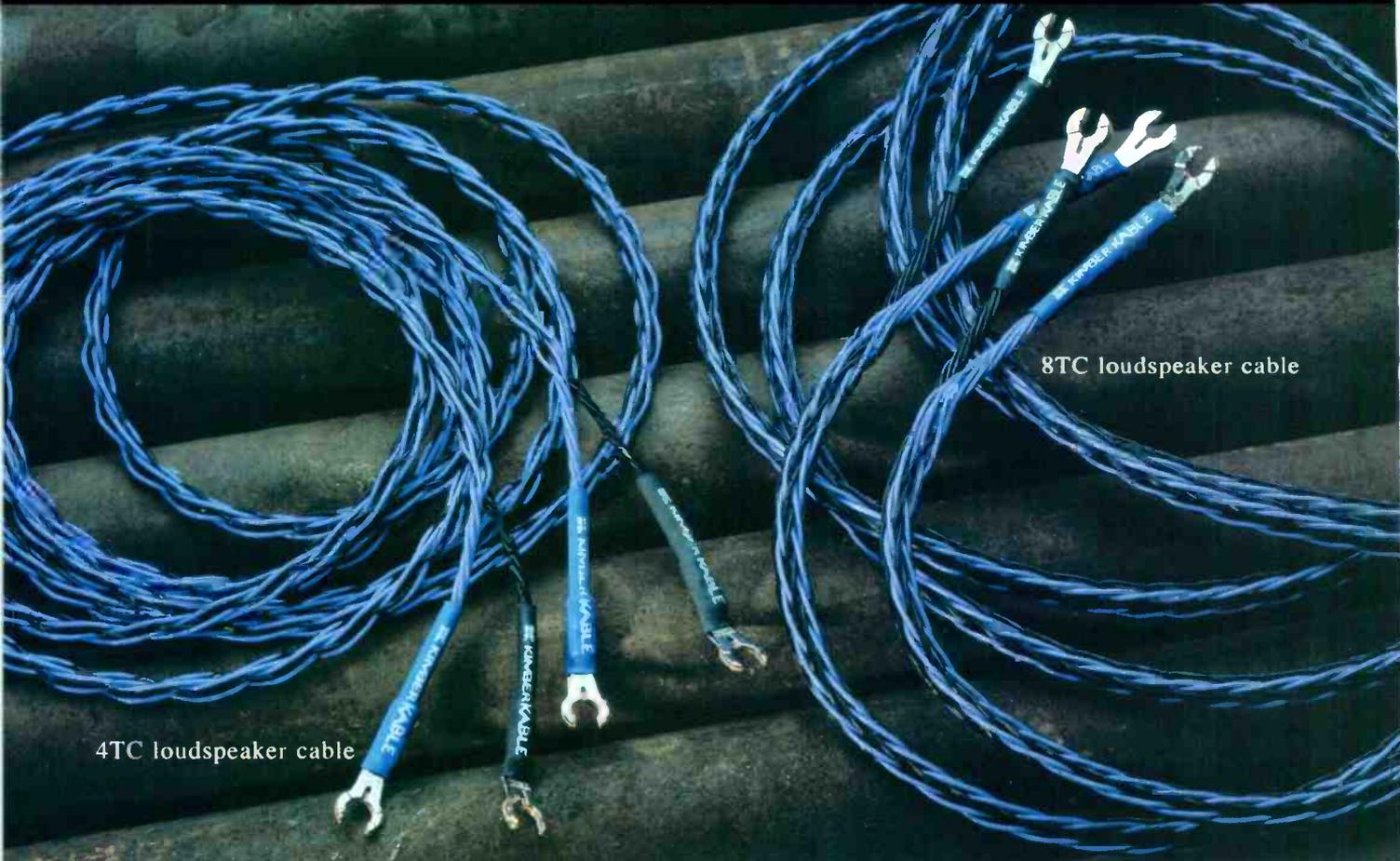
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*Hi-Fi News & Record Review - Ben Duncan - February 1997 issue*



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# Home Recording Equipment

*Will you stick with the venerable analog cassette  
— or switch to a digital format?*

When it comes to shopping for home recording equipment, you've got a lot of decisions to make. First off, what format do you want to use? Will it be the good ol' cassette? Or do you want to go digital with MiniDisc? How about CD recorders? There are



**JVC TD-W254BK DOUBLE CASSETTE DECK**

now two CD recording formats, the write-once CD-R and the rewritable CD-RW. Digital audio tape (DAT) is also still a viable alternative, although the pickins are slim. The most important factor to consider is probably where you're going to play back the recordings that you make. Will you need additional equipment to play them in your car? Or on the run? Or will you listen to them right at home where you made them?

The compact cassette is still the king of the hill when it comes to home recording equipment. Introduced in the early 1960s — and never intended for music applications — the cassette went on to become the dominant music format until it was finally surpassed by the CD in the early 1990s. Cassettes continue to be popular, and noise-reduction techniques like Dolby S have taken their performance to heights previously thought impossible.



**PHILIPS CDR 880 CD RECORDER**

You'll find Dolby S on the more expensive decks, the older Dolby B and C noise-reduction systems on most models.

Maybe you feel a little embarrassed to use something as "old-fashioned" as analog tape. Tape does not give you random access to your tunes the way you've grown accustomed to with CDs, so maybe you're ready to try a digital recording format.

Digital audio tape — launched in 1987 amid fierce recording-industry opposition — was never a consumer success, but it still has a loyal following, especially among musicians.

Introduced by Sony in 1992, MiniDisc (MD) is an erasable format that uses a 2½-inch disc housed in a protective caddy that resembles a shrunken computer diskette. Its small size is made possible by a data-compression system that eliminates portions of the music that are deemed inaudible. The MiniDisc's strong points are its portability, editing flexibility (tracks can be deleted, combined, divided, and moved), and disc and track titling.

Recordable CD was also introduced in 1992 — but at a hefty price of \$7,000. Prices have since come down to affordable lev-



**KENWOOD 1050MD MINIDISC RECORDER**

els. CD-R is a nonerasable, "write-once" format that can be played back in any conventional CD player once the disc is "finalized" in the recorder. Consumer machines cannot record on blank computer CD-R discs but must use special consumer discs on which a royalty has been paid.

The CD-RW (rewritable) format is the newest home-recording kid on the block. While it doesn't offer the editing flexibility of MiniDisc, it does allow the entire disc, or part of it, to be erased and rerecorded. The major drawback of the format is that CD-RW discs will not play in all CD players because they have much lower reflectivity than CDs or CD-Rs. Also, consumer rewritable discs are about five times the cost of CD-Rs. On the other hand, CD-RW recorders can also write CD-R discs, so you can have the best of both worlds.

— Brian Fenton

# Home Recording Equipment

## DENON

The following feature Denon IS-system remote-control compatibility.

### DMD-1000 MD Recorder

20-bit A/D converter. 64X oversampling; 4th-generation ATRAC audio coder; 8X oversampling digital filter; separate digital and analog circuits; 6-sec antishock memory. Analog input; 1 coaxial and 2 optical digital inputs; analog output; 1 coaxial and 1 optical digital outputs; analog RCA input. Program move, monitor, and disc recovery functions; 25-track programming; synchro record with compatible CD players; remote control. FR 4 Hz-20 kHz; S/N 105 dB; dynamic range 96. 17 1/2 x 5 1/4 x 13 1/2 in; 14 lb .....\$599

### DRM-740 3-Head Cassette Deck

Dolby B, C, HX Pro. 3 motors; die-cast aluminum-head base; closed-loop dual-capstan design; non-slip reel drive. Full-logic controls; bias control; auto tape-bias selector; record return; program search; synchro record with compatible CD players; output-level control; 4-digit linear counter; fluorescent display with peak-level meters and peak-hold. FR 20 Hz-20 kHz  $\pm 3$  dB; S/N 75 dB; W&F 0.038% wrms. 17 1/2 x 5 x 10 1/2 in; 10 lb .....\$599

### DRW-840 Double Cassette Deck

Dolby B, C, HX Pro. Autoreverse for both transports; twin/relay recording; bias control; high-speed dubbing; program search; auto relay play; CD synchro-record function. FR 20 Hz-18 kHz  $\pm 3$  dB; S/N 74 dB; W&F 0.06%. 17 1/2 x 5 x 10 1/2 in; 10 lb .....\$399

### DRM-650S Cassette Deck

Dolby B, C, S, HX Pro. 2-motor full-logic control transports. Dual power supply; manual bias-adjustment control; memory stop; CD synchro record; record return; music search; non-slip reel drive; MPX filter switch; headphone level control. FR 25 Hz-18 kHz  $\pm 3$  dB; S/N 77 dB; W&F 0.055%. 17 1/2 x 5 x 10 1/2 in; 11 lb .....\$299

### DRM-550 Cassette Deck

Dolby B, C, HX Pro. Non-slip reel drive; metal-top panel; full-logic control mechanism. Bias control; auto tape-bias selector; record return; program search; synchro record with compatible CD players; fluorescent display with peak-level meters. FR 25 Hz-18 kHz  $\pm 3$  dB; S/N 74 dB; W&F 0.055%. 17 1/2 x 5 x 10 1/2 in; 9 lb .....\$249

### DRW-580 Double Cassette Deck

Dolby B, C, HX Pro. Autoreverse for both transports; 2-tape relay play; bias control; high-speed dubbing; program search; auto tape-bias selector; two counters. FR 20 Hz-18 kHz  $\pm 3$  dB; S/N 74 dB; W&F 0.08%. 17 1/2 x 5 1/4 x 10 1/2 in; 9 lb .....\$249

## DUAL

### CC5850RC Cassette Deck

Dolby B, C, HX Pro. Bias adjustment; auto tape-type selection; next track search. Level display with peak hold; electronic counter; remote control. FR 25 Hz-16 kHz; S/N 76 dB; W&F 0.05% wrms .....\$505  
**CC8065RC.** As above, but S/N 74 dB, W&F 0.06% wrms .....\$440

## HARMAN KARDON

### DC-520 Double Cassette Deck

Dolby B, C, HX Pro for both transports. Front-panel headphone output. High-speed dubbing; auto tape sensor; synchro-reverse dubbing; autoreverse for both transports. Includes interconnecting cables. FR 25 Hz-19 kHz metal; S/N 79 dB; W&F 0.05% wrms; THD 1% at 1 kHz. 17 1/2 x 5 1/4 x 11 1/4 in; 10 lb .....\$329

## JVC

### XU-301BK MD Recorder

MD recorder with 3-disc CD changer. 1-bit A/D and D/A converters. 3 independent trays with play and

exchange system for CD. Optical input and output; mic input; RCA input and output; headphone output. CD Text; 27-genre and 200-disc memory files; 3-disc random and continuous play; pitch control; CD/mic/line mixing; 5-mode editing; text CompuLink; timer record/play; remote control. Sampling rates 32/44.1/48 kHz; FR 8-20 kHz; S/N 94 dB CD, 88 dB MD; THD 0.009%; dynamic range 90 dB CD, 88 dB MD. 17 1/2 x 5 x 12 1/2 in; 13 lb ...\$550

### TD-W718BK Double Cassette Deck

Dolby B, C, HX Pro. Record/play on both transports; computer-controlled full-logic mechanism; 6-motor drive; cassette-shell stabilizer in both transports. Headphone jack with volume control; mic input with mix-level control. Rotating-head autoreverse for both transports; pitch control for one transport; multimusic scan; sequential play and record; synchro high-speed dubbing; auto/synchro record mute; computer-controlled auto tape-bias and sensitivity; fluorescent-level meters and 4-digit counter for both transports; blank skip. FR 20 Hz-16 kHz  $\pm 3$  dB metal; S/N (metal) 78 dBA Dolby C; W&F 0.08% wrms .....\$280

**TD-W354BK.** As above without headphone volume control, 2-tape sequential record, or blank skip .....\$220

### TD-R462BK Cassette Deck

Dolby B, C, HX Pro. Computer-controlled full-logic mechanism; cassette-shell stabilizer; powered cassette door. CD-direct input; headphone jack. Rotating-head autoreverse; bias control; auto record mute; music scan; timer record/play; auto tape-bias selector; input-balance control; fluorescent level meters; 4-digit fluorescent-linear counter switchable to peak display. FR 20 Hz-16 kHz  $\pm 3$  dB metal; S/N (metal) 78 dBA Dolby C; W&F 0.08% wrms .....\$250

### TD-W254BK Double Cassette Deck

Dolby B, C, HX Pro. 1 record/play transport; computer-controlled full-logic mechanism. Headphone jack. Rotating-head autoreverse for both transports; 6-motor drive; 2-tape sequential play; synchro high-speed dubbing; auto/synchro record mute; auto tape-bias selector; fluorescent level meters and 4-digit counter for both transports. FR 20 Hz-16 kHz  $\pm 3$  dB metal; S/N (metal) 78 dBA Dolby C; W&F 0.08% wrms .....\$190

### TD-W5TH Double Cassette Deck

Dolby B, C, HX Pro. Computer-controlled full-logic mechanism; high-speed dubbing; auto tape-type selector. Fluorescent level meters; tape counter for each transport. FR 30 Hz-16 kHz  $\pm 3$  dB metal; S/N 78 dB Dolby C (metal); W&F 0.08% wrms; THD 0.8%. 15 1/2 x 5 x 14 1/4 in; 10 lb .....\$190

## KENWOOD

### DMC-J7R Portable MD Recorder

ATRAC version 2.5 encoding; 10-sec digital antishock memory. Optical digital input with sampling-rate converter; mic input with phantom power. Disc and track naming; quick search; bass boost; mono extended-time recording; full-function LCD display; watch-style LCD wired remote control. Includes headphones; carrying case; lithium ion rechargeable battery; home connecting cable; AC adapter .....\$400

### Model 1050MD MD Recorder

CD Text transfer via direct digital connection; repeat play; music scan; jog-shuttle dial; remote control .....\$400

**Model 1090MD.** As above. 24-bit A/D and D/A resolution; drive distortion reduction circuitry; digital record level control with auto fade .....\$600

### Model CT2050 Double Cassette Deck

Dolby B, C, HX Pro. Full-logic electronic tape reverse; auto bias. Dual tape counters. Bidirectional 2-track head system. Headphone jack. Autoreverse for both transports; auto/manual bias adjustment for both transports; high-speed dubbing;

program search; one-touch operation; auto tape selector; switchable MPX filter; relay recording; dual tape recording; autoreverse for both transports .....\$200

**Model CT203.** As above with auto bias control and record for only one transport; without auto tape selector .....\$200

### Model CT201 Double Cassette Deck

Dolby B, HX Pro. LED level meters; mechanical-logic tape transports; auto tape selector .....\$100

## LUXMAN

### K-373 3-Head Cassette Deck

Dolby B, C, HX Pro. Record and play heads with hard-Permalloy cores; demagnetizer; polymer-Sorbthane cassette stabilizer; line-phase sensor; Star circuitry; switchable MPX filter. Mic input; system bus connection. Bias control; record return; program search; blank search/skip; auto scan; synchro record with compatible CD players; timer record/play; display dimmer; linear fluorescent counter. FR 15 Hz-21 kHz high-bias; S/N (high bias) 74 dB Dolby C, 58 dB no NR; W&F 0.045% wrms. 17 1/2 x 5 x 14 in; 13 lb .....\$695

### K-322 Cassette Deck

Dolby B, C, HX Pro. Metal chassis; record and play heads with hard-Permalloy cores; switchable MPX filter. Bias fine-tuning; auto music search; auto tape-bias selector; record return; fluorescent-digital counter. FR 25 Hz-18 kHz high-bias; S/N 71 dB Dolby C, 56 dB no NR. 17 1/2 x 5 x 7 in; 9 lb ...\$449

## MARANTZ

### DR-700 CD-RW Recorder

Optical and coaxial digital inputs. SCMS copy-inhibit system. Gold-plated headphone jack. Automatic or manual track numbering; 30-track programming; remote control. 17 x 3 1/2 x 12 in; 9 lb .....\$850

### SD-57 Cassette Deck

Dolby B, C, S, HX Pro. Hard-Permalloy record/play head; double-gap-ferrite erase head; computer-controlled logic; switchable MPX filter. Headphone jack with volume control. Synchro record with compatible CD players; timer record/play; manual/auto bias control; auto tape selector; digital tape counter; 2-color level meters with peak-hold; display dimmer; infrared remote control. FR 20 Hz-20 kHz  $\pm 3$  dB; S/N 85 dB; W&F 0.05% wrms. 3-yr parts-and-labor warranty. 17 1/2 x 5 1/2 x 12 in; 8 lb .....\$400

### SD-63 3-Head Cassette Deck

Dolby B, C, HX Pro. Hard-Permalloy record and play heads; double-gap ferrite erase head; alloy fly-wheel. RC-5 system remote-control jacks. Micro-processor-controlled logic; switchable MPX filter; bias, level, and balance recording controls; synchro record with compatible CD players; fluorescent display; remote control. FR 20 Hz-17 kHz  $\pm 3$  dB high-bias; S/N 78 dB Dolby C, 58 dB no NR; W&F 0.05% wrms. 3-yr parts-and-labor warranty. 16 1/2 x 5 1/2 x 12 in .....\$350

### SD-2020 Slim Series Cassette Deck

Dolby B, C, HX Pro. Designed to match CR-2020 Slim Series Receiver/CD Player. Compact chassis; hinged titanium front panel conceals all controls; horizontal motor-driven tray; metal-alloy record/play head; dual-gap ferrite erase head; DC-servo-controlled capstan and reel drives. Autoreverse; intro scan; timer record/play; remote control; can also be operated by system remote supplied with SR-2020 receiver. FR 30 Hz-18 kHz high-bias, no NR; S/N 78 dB Dolby C, 58 dB no NR; W&F 0.1%. 16 1/2 x 3 x 12 1/2 in; 10 lb .....\$300

### SD-455 Double Cassette Deck

Dolby B, C, HX Pro. Dual 2-motor transports; auto reverse; auto bias. Dual tape counters. Includes remote control. FR 28 Hz-18 kHz  $\pm 3$  dB; S/N 74 dB Dolby C; W&F 0.08% wrms. 3-yr warranty. 17 1/2 x 5 1/4 x 12 1/2 in; 10 lb .....\$299

# Home Recording Equipment

## NAD

### Model 613 Cassette Deck

Dolby B, C, HX Pro. 2 Permalloy heads; full-logic control mechanism; Peak-hold metering; bias adjust; play-trim EQ; NAD Link for remote control. FR 30 Hz-16 kHz  $\pm 3$  dB; S/N (high bias) 78 dB Dolby C, 59 dB no NR; W&F 0.07% wrms. 17 1/4 x 5 x 12 3/4 in .....\$399

### Model 616 Double Cassette Deck

Dolby B, C, HX Pro. Dual-well/dual record; full-logic control mechanisms. Peak-hold metering; bias adjust; play-trim EQ; NAD Link for remote control. FR 30 Hz-18 kHz  $\pm 3$  dB; S/N (high bias) 78 dB Dolby C, 58 dB no NR; W&F 0.07% wrms. 17 1/4 x 5 x 12 1/4 in; 13 lb .....\$399

## ONKYO

The following feature Onkyo RI-system remote-control compatibility.

### Integra TA-6711 3-Head Cassette Deck

Dolby B, C, 3 motor/3 head design; linear-glide loading system; auto/manual Accubias system; vibration-free chassis; full-logic control. Twin mic inputs. Real-time counter; music search/skip; fluorescent peak meters. FR 20 Hz-19 kHz high-bias; W&F 0.045% wrms. 17 1/2 x 5 1/4 x 14 1/2 in .....\$800

### Integra TA-RW909 Double Cassette Deck

Dolby B, C, HX Pro. 2 motors; synchro record with compatible CD players; Power Glide loading system. Headphone jack. Autoreverse for both transports; auto tape selector; 4-digit real-time counters; auto space; record/play timer; separate input and balance controls; bidirectional music search; LED peak level indicator; remote control. FR 20 Hz-18 kHz high-bias; S/N 58 dB; W&F 0.065% wrms. 18 x 5 1/4 x 14 1/4 in; 18 lb .....\$710

### TA-RW505 Double Cassette Deck

Dolby B, C, HX Pro. Full-logic control mechanism. Headphone jack. Autoreverse record/play for both transports; 2-tape simultaneous record; 2-tape sequential play; synchro record with compatible CD players; switchable auto space; auto tape-bias selector; high-speed dubbing; input level and balance controls; program search; repeat. FR 20 Hz-16 kHz high-bias; W&F 0.07% wrms. 18 x 4 3/4 x 12 1/2 in; 13 lb .....\$425

### TA-RW544 Double Cassette Deck

Dolby B, C, HX Pro. Full-logic control mechanism. Headphone jack. Autoreverse record/play for both transports; program search; synchro record with compatible CD players; switchable auto space; auto tape-bias selector; 2-tape sequential play; high speed dubbing; input level control; fluorescent peak-level indicator. FR 20 Hz-16 kHz high-bias; W&F 0.07% wrms. 18 x 4 3/4 x 12 1/2 in; 13 lb ...\$335

### TA-R440 Cassette Deck

Dolby B, C, HX Pro. Full-logic controls; 2 motor transport system; proprietary Accubias system; rigid antiresonant chassis. CD-synchro recording; 13-segment fluorescent display with peak level/hold meters; A/B block repeat; auto spacing; remote control. FR 20 Hz-19 kHz high-bias; S/N 58 dB; W&F 0.07% wrms. 17 x 4 3/4 x 12 in; 11 lb .....\$280

### TA-RW344 Double Cassette Deck

Dolby B, C, HX Pro. Full-logic control mechanism. Headphone jack. Record for 1 transport; autoreverse for both transports; synchro record with compatible CD players; switchable auto space; auto tape-bias selector; 2-tape sequential play; high-speed dubbing; input level control; LED peak-level indicator. FR 20 Hz-16 kHz high-bias; W&F 0.07% wrms. 18 x 4 3/4 x 12 1/2 in; 12 lb ...\$250

## OPTIMUS BY RADIO SHACK

### SCT-56 Double Cassette Deck

Dolby B, C, HX Pro. Autoreverse for both transports; high-speed dubbing; program search; blank

skip; 2-tape continuous play; synchro record with compatible Optimus CD players; auto tape-bias selector; fluorescent display; remote control through select Optimus receivers .....\$200

### SCT-49 Double Cassette Deck

Dolby B. Headphone jack. Autoreverse for one transport; 2-tape continuous play; high-speed dubbing; auto tape-bias selector; 2 Input-level controls; record-level meters .....\$150

### SCT-53 Double Cassette Deck

Dolby B. 2-tape sequential play; high-speed dubbing; auto record-level control; auto tape-bias selector .....\$120

### SCT-86 Cassette Deck

Dolby B. Microphone jacks. Normal/high-bias selector; pause; 2 record-level controls; 2 LED level meters; tape counter .....\$80

## OTARI

### MR-30 MD Recorder

18-bit D/A and A/D converters. AES/EBU and coaxial digital inputs and outputs; analog RCA and XLR inputs and outputs; headphone jack; computer-keyboard interface. Synchro record; auto track increment; programmed play; end monitoring; pitch control; hot-start function; SCMS selectable; Jog/shuttle control; fluorescent display. Sampling rates 44.1 kHz; FR 20 Hz-22 kHz; S/N 92 dB; THD 0.02%; dynamic range 88; ch sep 80 dB. 19 x 5 1/4 x 11 in; 15 lb .....\$2,595

PB-51XAS. Sampling-rate converter .....\$355

### CDR-18 CD Recorder

1-bit A/D and D/A converters. Turntable-style mechanism; downward firing laser. Analog XLR and RCA inputs; AES/EBU digital inputs; optical and coaxial inputs and digital outputs. RCA output; headphone jack. Can copy DAT, CD, and MD IDs; digital synchro record mode; digital fader function; input monitoring without disc; infrared remote. Includes rack mount kit. Sampling rates 32 and 48 kHz; FR 4 Hz-20 kHz  $\pm 1.0$  dB; S/N 100 dB; THD 0.01% at 1 kHz; dynamic range 90; ch sep 90 dB. 19 x 5 1/4 x 11 in; 15 lb .....\$2,195

### DTR-8S DAT Deck

1-bit A/D and D/A converters. Universal-voltage power supply. AES/EBU and coaxial digital inputs and outputs; switchable (+4/-10 dB) analog XLR input and output; headphone jack. Jog/shuttle control; high-speed search; character pack; Q-code synchro start; input monitoring without tape; error-rate meter; peak reset button; infrared remote control. Includes rack-mount kit. Sampling rates 32, 44.1, and 48 kHz; FR 20 Hz-22 kHz; S/N 89 dB; THD 0.007% at 1 kHz; dynamic range 90; ch sep 90 dB. 16 x 4 3/4 x 14 in; 18 lb .....\$1,395

## PHILIPS

### CDR 765 Double CD-RW Recorder

1-bit A/D converter. 2 transports (1 play-only); records and plays CD-R and CD-RW discs; double speed recording for discs; 2-disc simultaneous play and random play; Direct line recording of 44.1 kHz sources; SCMS copy-inhibit system. Separate transport outputs; gold-plated headphone jack. 30-track programming for both transports; synchro record; remote control. 17 x 3 3/4 x 12 in; 9 lb ...\$650

### CDR 880 CD Recorder

1-bit A/D converter. Direct line recording of 44.1 kHz sources; sampling-rate converter; SCMS copy-inhibit system. Optical and coaxial digital inputs and outputs; gold-plated headphone jack. Automatic or manual track numbering; synchro record; remote control. Sampling rates 12 to 56 kHz. 17 x 3 3/4 x 12 in; 9 lb .....\$650

### CDR 760 CD Recorder

1-bit A/D converter. Direct line recording of 44.1 kHz sources; SCMS copy-inhibit system. Gold-

plated headphone jack. Automatic or manual track numbering; 30-track programming; remote control. 17 x 3 3/4 x 12 in; 9 lb .....\$550

## PIONEER

### PDR-05 CD Recorder

1-bit Pulsefellow D/A converter. Stable-platter mechanism; sampling-rate indicator; sampling-rate converter for 32- and 48-kHz sources; servo and digital circuits isolated from analog circuits; SCMS copy-inhibit system; three-beam differential push/pull pickup. Auto record/pause; auto space mute; manual and auto track search; recording-end search; fade-in/fade-out recording; sampling-rate indicator; digital-source indicator; fluorescent display; level meter .....\$1,970

PDR-04. As above without sampling-rate converter or sampling-rate indicator .....\$1,165

### PD-R555RW CD-RW Recorder

20-bit D/A and 20-bit A/D converters. Records CD-R, CD-RW (rewritable), DTS-encoded discs; digital noise reduction; sampling-rate converter. Coaxial and optical digital inputs; optical digital output; Remote control .....\$699

### MJ-D707 MD Recorder

20-bit D/A and A/D converters. Sampling-rate converter; variable ATRAC coder. Optical digital input; coaxial digital input; optical digital output; Auto CD-title memory; medley play; remote control. Sampling rates 32, 44.1, and 48 kHz; FR 8-20 kHz; S/N 101 dB; THD 0.005% at 1 kHz; dynamic range 94. 16 1/2 x 4 1/4 x 11 1/2 in; 9 lb .....\$399

### CT-W616DR Double Cassette Deck

Dolby B, C, HX Pro. Auto tape-bias adjustment; record-level optimization. Headphone jack. Autoreverse; 2-tape sequential record/play; high-speed dubbing; program search; blank skip; synchro record with compatible CD players; 4-digit electronic linear/elapsed-time counter; fluorescent peak-hold meter; SR-system remote compatibility .....\$300

CT-W606DR. As above without auto tape-bias adjustment or record-level optimization .....\$275

### CT-W404R Double Cassette Deck

Dolby B, C, S, HX Pro. Tape-duplication noise suppressor. Headphone jack. Autoreverse for one transport; record for one transport; relay play; high-speed dubbing; program search; blank skip; synchro record with compatible CD players; 4-digit electronic linear/elapsed-time counter; fluorescent peak-hold level meter; SR-system remote compatibility .....\$235

### CT-W205R Double Cassette Deck

Dolby B, C. MPX filter. Autoreverse; LED level meter; high-speed dubbing; double auto-tape selector; relay play; auto record mute; skip search; blank skip; rewind auto play; SR compatible .....\$220

## Elite Series

The following feature Legato Link conversion circuitry, which uses a proprietary algorithm said to restore frequency content lost in recording.

### Elite PDR-99 CD Recorder

1-bit pulsefellow D/A converter. Stable-platter mechanism; center-mount tray; wood side panels; SCMS copy-inhibit system. Optical and coaxial digital inputs and outputs; headphone jack with volume control. One-touch synchro record and auto pause via source component signal sensing; direct track access; remote control. Sampling rates 32 and 48 kHz .....\$2,000

### MJ-D17 MD Recorder

20-bit D/A and A/D converters. Legato link; sampling-rate converter; honeycomb chassis; variable ATRAC coder. Optical digital input; coaxial digital input; optical digital output; Auto CD-title memory; medley play; digital volume control; remote control. Sampling rates 32, 44.1, and 28 kHz; FR 8-20 kHz; S/N 101 dB; THD 0.005% .....\$800

# Home Recording Equipment

## CT-07D Double Cassette Deck

Dolby B, C, HX Pro for both transports. Digital processing system for recording; 4 heads; 4 motors; honeycomb chassis; motor-driven doors. 2 coaxial digital inputs; headphone/mic jack. Synchro record with compatible CD players; relay play; music skip search; high-speed dubbing; super auto blend; music skip search; autoreverse for both transports. S/N 90 dB; W&F 0.09%. 16½ x 4¼ x 9¼ in; 10 lb .....\$550

## CT-05D Double Cassette Deck

Dolby B, C, HX Pro for both transports. 3 heads; two motors; honeycomb chassis. Headphone jack. Synchro record with compatible CD players; relay play; super auto balance; auto-space record mute; music skip search; high-speed dubbing; autoreverse for both transports. S/N 90 dB; W&F 0.09%; THD 0.8%. 16½ x 4¼ x 9¼ in; 9 lb .....\$400

## REVOX

### Emotion B-21 Cassette Deck

Dolby B, C, HX Pro. Dual capstans; microcomputer-controlled spooling and auto tape alignment. Real-time tape counter. FR 30 Hz-20 kHz ±3 dB high bias, no NR; S/N 73 dB Dolby C high-bias; W&F 0.1% wrms .....\$2,895

## ROTEL

### RD-960BX Cassette Deck

Dolby B, C, HX Pro. Two motors; switchable MPX filter. 1 set each left/right RCA inputs and outputs. Bias-fine tuning; program search; memory rewind/repeat; remote control. FR 20 Hz-18 kHz ±3 dB; S/N 74 dB; W&F 0.035% wrms; THD 0.9% THD. 17¼ x 4¼ x 13 in .....\$400

## SHARP

### MD-R3 MD Recorder

MD recorder with 3 disc CD changer; ATRAC 5.0; 20-bit wide bit processing LSI. Optical and coaxial digital inputs; line and mic inputs; digital optical output; line output; headphone jack. 100-character track or disc naming; jog dial control; divide, combine, erase, and move MD-edit functions; one-touch synchro digital recording from 3 CDs to MD; timer recording/play; date and time stamping; 20-track music calendar; space-cut recording; remote control. Sampling rates 32/44.1/48 kHz. 17 x 4¼ x 12 in; 11 lb .....\$500

**MD-R2.** As above, without CD changer or mic output. FR 4 Hz-20 kHz; S/N 100 dB; W&F 0.001%; THD 0.008%; dynamic range 90 dB. 17 x 3¼ x 12 in; 8 lb .....\$350

### MD-MS702 Portable MD Recorder

24-bit ATRAC 5.0 coder; antishock memory. Optical input; mic input; headphone jack. Auto play; synchro record; remote control with backlit LCD. Includes rechargeable lithium-ion battery, AC adapter and carrying case. Car-adaptor kit and optical cable optional. Sampling rates 32, 44.1, and 48 kHz; FR 20 Hz-20 kHz ±3 dB. 3¼ x 1 x 3¼ in .....\$400

## SHERWOOD

### DD-6080 Double Cassette Deck

Dolby B, C, HX Pro. Twin full-logic transports; Super Hi-B tape heads; 4 motors. Headphone jack. 3-way counter; synchro record; relay play; high-speed dubbing; 2-color fluorescent display. FR 20 Hz-19 kHz high-bias, no NR; S/N (high-bias) 53 dB no NR, 73 dB Dolby C; W&F 0.06% wrms; THD 1.5%. 17¼ x 5¼ x 11¼ in; 11 lb .....\$299

### DD-5080 Double Cassette Deck

Dolby B, C, HX Pro. Two full-logic transports; Super High-B tape heads. Headphone jack. 3-way counter; synchro record; relay play; high-speed dubbing; peak-level meters; 2-color fluorescent display. FR 20 Hz-18 kHz ±3 high-bias, no NR; S/N (high-bias) 53 dB no NR, 73 dB Dolby C; W&F 0.08% wrms. 17¼ x 5¼ x 9¼ in; 9 lb .....\$199

## Newcastle Series

### DD-980 Double Cassette Deck

Dolby B, C, S, HX Pro. Two full-logic transports; Super Hi-B tape heads; 4 motors. Headphone jack. 20 track music search; relay play; tape-to-tape and CD-to-tape synchro record; high-speed dubbing; memory stop; record mute; blank skip; electronic 4-digit time counter; 2-color fluorescent display. FR 20 Hz-18.5 kHz high-bias; S/N (high-bias) 56 dB no NR, 81 dB Dolby S; W&F 0.06% wrms; THD 1%. 3-yr parts-and-labor warranty. 17¼ x 5¼ x 11¼ in; 11 lb .....\$400

### D-480 Double Cassette Deck

Dolby B, C, HX Pro. 2-motor full-logic transports; Super Hi-B tape heads. Headphone jack. 20 track music search; autoreverse for both transports; relay play; tape-to-tape and CD-to-tape synchro record; high-speed dubbing; memory stop; record mute; blank skip; electronic 4-digit time counter; 2-color fluorescent display. FR 20 Hz-17.5 kHz high-bias; S/N (high-bias) 53 dB no NR, 73 dB Dolby C; W&F 0.008%; THD 1.2%. 3 year parts-and-labor warranty. 17¼ x 5¼ x 9¼ in; 9 lb .....\$250

## SONY

### DTC-ZA5ES DAT Deck

Pulse-type D/A and A/D converters. Super Bit-Mapping encoding system; 4-motor direct-drive transport; center-mount transport; can record at 44.1 kHz from analog sources; 20-bit digital filter; quick-loading mechanism. Mic inputs; optical and coaxial inputs and outputs. Standard-and-long-play modes; high-speed rewind; 200/400X high-speed search; auto music-sensor track search; random music-sensor track programming; audible cue at 2.5/8.5X speed; auto fader; 23-segment digital peak-level meters; synchro recording from compatible CD player; auto ID subcodes; manual-start ID subcodes; SCMS copy-inhibit system; timer activated record or play; track/tape repeat. Sampling rates 32, 44.1, and 48 kHz; FR 2 Hz-22 kHz ±0.5 dB; S/N 93 dB; THD 0.0045% at 1 kHz. 5-yr warranty. 17 x 5 x 14¼ in; 17 lb .....\$1,600

### DTC-ZE700 DAT Deck

Pulse-type D/A and A/D converters. 20-bit digital filter with dither and 45-bit internal processing; 3-motor direct-drive transport; Super Bit-Mapping technology; 44.1-kHz analog-recording capability; digital-peak margin display. Optical and coaxial digital inputs; optical digital output; headphone jack with volume control. Standard and long-play modes; auto/manual ID subcoding; track programming; 200X or 400X fast search; audible cue at 2.5/8X speed; intro scan; direct-track access; synchro record with compatible CD players; 2-repeat modes; timer record/play capability; record mute; selectable absolute- or remaining-time display; remote commander wireless remote. Sampling rates 32, 44.1, and 48 kHz; FR 2 Hz-22 kHz ±0.5 dB; THD 0.005% at 1 kHz; dynamic range 90. 17 x 4¼ x 12¼ in; 11 lb .....\$800

## MD Recorders

### MDS-JA3ES MD Recorder

1-bit pulse A/D converter. 3rd-generation ATRAC coder; 4-sec antishock memory; 20-bit digital-play filter with dither; 45-bit internal processing; frame-and beam antivibration construction; aluminum front panel. 20-bit output; optical digital input and output; coaxial digital input; headphone jack with volume control; dual mono mic inputs. Disc title, track title, and artist name displays for prerecorded MD; 1,700-character text entry for each recordable MD; auto-record-pause after 30-second recording silence; auto date/time stamp; synchro record with compatible CD players; track skip; random play; 3 repeat modes; 25-track programming; direct-track access from remote; timer record/play; digital peak-level meters; remote control with jog-dial. Sampling rates 32, 44.1, and 48 kHz; FR 5 Hz-20 kHz ±0.5 dB; S/N 103 dB. 5-yr warranty. 17 x 5 x 13¼ in; 13 lb .....\$1,200

**MDS-JA50ES.** As above, 4th-generation ATRAC

coder; current pulse D/A, 24-bit A/D converter; tray-loading mechanism; digital record-level control; digital-output bit-length selector (16- or 20-bit); 1 coaxial and 2 optical digital inputs; 1 optical output; fade in/out record and play modes; brushless-slotless-linear motor; FR 5 Hz-20 kHz ±0.3 dB; S/N 108 dB; 5-yr warranty; 31 lb .....\$2,000

### MDS-JA20ES MD Recorder

Pulse D/A converter. Wide bitstream 20-bit decoding; digital filter; aluminum front panel; rigid frame and beam construction; sampling rate converter. 1 coaxial and 2 optical digital inputs; 1 coaxial output. Pitch control; CD Text transfer; jog dial for track selection; S-link; CD synchro record; undo editing; digital record-level control. Remote control. Sampling rates 32, 44.1, and 48 kHz; FR 5-20 Hz ±0.3 dB; S/N 105 dB. 5-yr parts-and-labor warranty. 17 x 5 x 14 in; 13 lb .....\$700

### MDS-JE700 MD Recorder

1-bit pulse-type A/D converter. 4th-generation ATRAC audio coder; 8X oversampling; 18-bit digital filter; 10-sec memory buffer; sampling-rate converter; current pulse D/A converter; CD Custom File text transfer; aluminum front-panel; S-Link. 1 coaxial and 2 optical digital inputs. Jog-dial for track selection; 25-track programming; 25-track music calendar; random play; 3 repeat modes; CD synchro record with compatible CD players; remote control; time/date stamp. FR 5 Hz-20 kHz ±0.3 dB; S/N 96 dB. 17 x 4¼ x 12¼ in .....\$600

### MDS-JB920 MD Recorder

20-bit A/D and D/A converter. Aluminum front panel; sampling-rate converter. 1 coaxial and 2 optical digital inputs; 2 optical digital outputs; 1 coaxial digital output; headphone jack. CD Text transfer; pitch control; jog dial; fade in/out recording; undo editing; digital record-level control. Sampling rates 32, 44.1, and 48 kHz; S/N 100 dB. 17 x 4¼ x 11 in; 11 lb .....\$480

### MDS-JE520 MD Recorder

Hybrid pulse D/A, 1-bit pulse-type A/D converter. 4th-generation ATRAC audio coder; 8X oversampling; 18-bit digital filter; sampling rate converter; 10-sec memory buffer; nonlinear recording and play; antiresonant insulator feet; smart space. Optical digital input and output; coaxial digital input and output; headphone jack. Jog-dial for track selection; fade-in/fade-out recording; 25-track programming; 25-track music calendar; random play; digital record volume; 3 repeat modes CD synchro record with compatible CD players; remote control. FR 5 Hz-20 kHz ±0.3 dB; S/N 96 dB. 17 x 3¼ x 11 in; 8 lb .....\$360

## ES Series Cassette Decks

### TC-KA3ES 3-Head Cassette Deck

Dolby B, C, S, HX Pro. Closed-loop dual-capstan three-motor direct drive; transport center-mounted between power supply and audio circuits to reduce noise; transport angled for smoother capstan rotation; quartz-locked speed servo; sapphire main bearings; laser-amorphous record and play heads; auto-record level, EQ, and bias adjustment for each tape with built-in oscillator; antiresonant aluminum front panel; ceramic cassette holder; Sorbothane cassette stabilizer. Gold-plated inputs and outputs; headphone jack with volume control. Powered cassette loading; direct track access; 9-track program search; switchable auto-play after fast-forward/rewind; record mute; linear counter with memory; 24-segment fluorescent peak-level meters; remote control through compatible Sony receivers, integrated amps, or preamps. FR 20 Hz-20 kHz ±3 dB high-bias; S/N (high bias) 59 dB no NR; W&F 0.022% wrms. 5-yr-limited warranty. 17 x 5¼ x 14¼ in; 17 lb .....\$950

### TC-WA9ES Double Cassette Deck

Dolby B, C, S, HX Pro, for both transports. Dual 3-motor tape transports; auto bias and record calibration for each transport; Sorbothane cassette stabilizers; laser-amorphous tape heads; ceramic cassette holder; antiresonant-aluminum front panel

# Home Recording Equipment

el; switchable MPX filter. Headphone jack with volume control. Autoreverse record/play for both transports; powered cassette loading; 2-tape simultaneous or sequential record; pitch control; blank skip; track programming; 9-track program search; high-speed dubbing; 2-tape relay play; switchable auto-play after fast-rewind; record mute; auto pause; timer record/play; twin-linear time counter of minutes and seconds with memory; 16-segment fluorescent peak-level meters; remote control through compatible Sony receivers. FR 25 Hz-18 kHz  $\pm 3$  dB; S/N (high bias) 58 dB no NR; W&F 0.06% wrms. 5-yr-limited warranty. 17 x 5 3/4 x 13 1/4 in; 14 lb ...\$950

### TC-K2ES 3-Head Cassette Deck

Dolby B, C, S, HX Pro. High-precision 3-motor tape transport; 160 kHz Super Bias circuitry; FET play amplifier; high-speed fast-forward and rewind; auto bias and record calibration; center-mount transport mechanism; Sorbothane cassette stabilizer; high-density Permalloy tape heads. Headphone jack. Linear time counter; switchable MPX filter; multiple-track program search; 16 segment fluorescent peak-level meters switchable auto-play fast rewind; record mute; remote control through compatible Sony receivers. FR 30 Hz-19 kHz  $\pm 3$  dB high-bias; S/N 61 dB no NR; W&F 0.055% wrms. 5-yr-limited warranty. 17 x 4 1/4 x 12 1/4 in; 9 lb ...\$550

### TC-WA8ESA Double Cassette Deck

Dolby B, C, S, HX Pro for both transports. 2 motors for each transport; auto record calibration for both transports; Permalloy heads; ceramic cassette holder; switchable MPX filter. Headphone jack. Autoreverse record/play for both transports; 2-tape simultaneous or sequential record; track programming; 9-track program search; high-speed dubbing; 2-tape relay play; record level and balance controls; auto play after fast-forward/rewind; record mute; twin linear time counter of minutes and seconds with memory; 14-segment fluorescent peak meters; remote control through compatible Sony receivers, integrated amps, or preamps. FR 30 Hz-17 kHz  $\pm 3$  dB high-bias; S/N (high bias) 57 dB no NR; W&F 0.07% wrms. 5-yr-limited warranty. 17 x 5 x 11 1/2 in; 10 lb ...\$550

### TC-KA1ES 3-Head Cassette Deck

Dolby B, C, S, HX Pro. 2-motor transport; auto record calibration; drive between power supply and audio circuits; antiresonant aluminum front panel; ceramic cassette holder; Sorbothane cassette stabilizer; switchable MPX filter. Gold-plated inputs and outputs; headphone jack. Powered cassette loading; auto play after fast-forward/rewind; record mute; linear counter with memory; 16-segment fluorescent peak meters; remote control through compatible Sony receivers, integrated amps, or preamps. FR 30 Hz-18 kHz  $\pm 3$  dB high-bias; S/N (high bias) 59 dB no NR; W&F 0.055% wrms. 5-yr-limited warranty. 17 x 5 x 12 1/4 in; 9 lb ...\$350

### TC-WA7ESA Double Cassette Deck

Dolby B, C, S, HX Pro. 2 motors for each transport; Permalloy heads; ceramic cassette holder; switchable MPX filter. Headphone jack. Autoreverse for both transports; 9-track program search; high-speed dubbing; 2-tape relay play; auto play after fast-forward/rewind; record mute; 2 electronic linear-time counters with memory; can find and play selections in any programmed sequence; fader switch; 14-segment fluorescent peak meters; remote control through compatible Sony receivers, integrated amps, or preamps. FR 30 Hz-17 kHz  $\pm 3$  dB high-bias; S/N (high bias) 57 dB no NR; W&F 0.07% wrms. 5-yr-limited warranty. 17 x 5 x 11 1/2 in; 10 lb ...\$350

### Portable MD Recorders

#### MZ-R30 Portable MD Recorder

16-bit D/A and 16-bit A/D converters. Sampling-rate converter; AVLS; 10-sec antishock memory; plays up to 15 hrs with 1 lithium-ion and 2 AA batteries. AC-adaptor input; mic input; line-level analog and optical digital inputs/outputs; headphone and remote-control jacks. Jog dial for track selection; digi-

tal synchro recording capability (MD Link); digital bass-boost with 3-position switch; position pointer; full editing features (divide/combine/erase/all erase/move/tilting). Includes AC power adapter, lithium-ion rechargeable battery, AA-battery case, and headphones. Sampling rates 32, 44.1, and 48 kHz; FR 20 Hz-20 kHz  $\pm 3$  dB. 4 1/4 x 1 x 3 in; 8 lb ...\$549

#### MZ-R50 Portable MD Recorder

16-bit A/D and D/A converters. 40-sec antishock memory; sampling-rate converter; 22-hrs play on rechargeable lithium-ion battery and AA batteries. Mic input; line-level minijack input/output; optical digital input; headphone jack; remote-control minijack output. Jog dial for track selection; digital bass-boost with 3 position switch; position pointer; divide, combine, erase, all erase, move, tilting edit functions; digital synchro record; remote control. Includes AC adapter, lithium battery, battery case, carry pouch; and earphones with in-line LCD remote. Mic, car kit, and optical cables optional. Sampling rates 32, 44.1, and 48 kHz; FR 20 Hz-20 kHz  $\pm 3$  dB. 4 1/4 x 3 in ...\$400

### MD Accessories

Stereo mic for MZ-R30 .....\$90  
Optical digital cables for MZ-R30 .....\$40  
Rechargeable battery for MZ-E30 .....\$35  
Car adapter pack for MZ-R30 .....\$25  
AC power adapter for MZ-R30 .....\$23  
Car battery cord for MZ-R30 .....\$20  
Micro-to-mini headphone adapter for MZ-R30 ...\$10

### Cassette Decks

#### TC-KE500S 3-Head Cassette Deck

Dolby B, C, S, HX Pro. 160-kHz Super Bias circuitry; FET output amp; bias and record calibration; center-mount tape transport; Sorbothane cassette stabilizer; high-density Permalloy record and play heads. Headphone jack. High-speed fast-forward and rewind; switchable MPX filter; electronic tape counter; track search; 16-segment fluorescent peak-level meters; switchable auto-play; record mute; remote capable with any Sony-receiver remote control; linear time counter. FR 30 Hz-19 kHz  $\pm 3$  dB; S/N 61 dB no NR; W&F 0.055% wrms. 17 x 4 1/4 x 12 1/4 in; 9 lb ...\$360

#### TC-WE825S Double Cassette Deck

Dolby B, C, S, HX Pro. Dual 2-motor transports; high-density Permalloy tape heads; MPX filter; twin linear tape counters; high-speed fast-forward and rewind; synchro record with compatible CD players; auto record-level and calibration for both transports; twin-linear time counters; high-speed dubbing; relay play. Headphone jack. Fader switch; 14-segment fluorescent peak-level meters; switchable auto-play after fast-wind; record mute; can be operated from remote control supplied with any Sony receiver; wide-range pitch control; random music search/programming; twin/relay recording; autoreverse for both transports. FR 30 Hz-19 kHz  $\pm 3$  dB; S/N 58 dB no NR; W&F 0.07% wrms. 17 x 4 1/4 x 11 1/2 in; 9 lb ...\$300

#### TC-KE400S Cassette Deck

Dolby B, C, S, HX Pro. Center-mount ultra-stable 2-motor tape transport; Sorbothane cassette stabilizer; high-density Permalloy tape head; single-well design. Headphone jack. Switchable MPX filter; electronic tape counter; multiple-track program search; 16-segment fluorescent peak-level meters; switchable auto-play; record mute; remote capable with any Sony-receiver remote control. FR 30 Hz-18 kHz  $\pm 3$  dB; S/N 58 dB no NR; W&F 0.07% wrms. 17 x 4 1/4 x 12 1/4 in; 8 lb ...\$250

#### TC-WE625S Double Cassette Deck

Dolby B, C, HX Pro. Dual 2-motor tape transports; high-density Permalloy tape heads; MPX filter; synchro record with compatible CD players; auto record calibration and level; twin electronic tape counters; relay play. Headphone jack. Multiple-track program search; high-speed dubbing; fader switch; 14-segment fluorescent peak-level meter; switchable auto-play after fast-wind; record mute;



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# Home Recording Equipment

can be operated from remote control supplied with any Sony receiver; S-Link communication with other Sony components; autoreverse for both transports; twin/relay recording. FR 30 Hz-19 kHz  $\pm 3$  dB; S/N 58 dB no NR; W&F 0.07% wrms. 17 x 4 1/4 x 1 1/2 in; 8 lb .....\$250

## TC-WE425 Double Cassette Deck

Dolby B, C, HX Pro. 2-motors; high-density Permalloy tape heads; MPX filter; S-link. Headphone jack. Twin electronic tape counters; auto record level; high-speed dubbing; relay play; fader switch; 14-segment fluorescent peak-level meters; record level control; switchable auto-play after fast rewind; record mute; remote capable with any Sony-receiver remote control; autoreverse for both transports. FR 30 Hz-18 kHz  $\pm 3$  dB; S/N 58 dB no NR; W&F 0.10% wrms. 17 x 4 1/4 x 1 1/2 in; 8 lb .....\$180

## TC-WE305 Double Cassette Deck

Dolby B. High-density Permalloy tape heads; high-speed dubbing. Mechanical tape counter; 7-segment LED peak-level meters. FR 30 Hz-15 kHz  $\pm 3$  dB; S/N 58 dB no NR; W&F 0.11% wrms. 17 x 4 1/4 x 1 1/2 in; 8 lb .....\$99

## TEAC

### V-8030S 3-Head Cassette Deck

Dolby B, C, S, HX Pro. Quartz-locked dual-capstan 4-motor direct drive; cobalt amorphous head; center-mount transport; cassette stabilizer; antivibration chassis. Gold-plated line-level connectors and CD-direct jacks; headphone jack with volume control. Program search; synchro record with compatible CD players; record mute with auto space; master and balance record-level controls; auto tape-bias selector; remote control. FR 15 Hz-20 kHz  $\pm 3$  dB; S/N 84 dB Dolby S; W&F 0.022% wrms. 17 1/2 x 6 x 14 1/2 in .....\$1,149

**V-6030S.** As above, drive not quartz-locked direct. No record mute with auto space or auto tape-bias selector. W&F 0.027% wrms .....\$1,150

### V-2030S 3-Head Stereo Cassette Deck

Dolby B, C, S, HX Pro. Auto bias and level-record calibration system with built-in oscillator; hard-Permalloy record and play combination head with PC-OCC wiring; 150-kHz high-frequency bias current; heavy-duty die-cast zinc-alloy head block assembly; cassette stabilizer; center-mounted tape transport; electronic tape counter with time mode; aluminum front panel. Mic input; headphone jack with level control. Switchable MPX filter; multifunction fluorescent display with dimmer control; 16-segment peak-level meters; record mute with auto space; memory stop/play; auto monitor; concentric dual record-level controls; auto tape-type selector; timer record/play; full-function remote control. FR 15 Hz-20 kHz  $\pm 3$  dB high-bias; S/N 84 dB Dolby S, 60 dB no NR; W&F 0.045% wrms. 17 1/2 x 6 x 11 1/2 in; 11 lb .....\$650

### V-1030 3-Head Stereo Cassette Deck

Dolby B, C, HX Pro. Center-mounted tape transport; bias fine-tuning control; hard-Permalloy record and play combination head with PC-OCC wiring; cassette stabilizer; heavy-duty die-cast zinc-alloy head block assembly; electronic tape index counter with timer mode. Mic input; headphone jack with level control. Switchable MPX filter; multifunction-fluorescent display with dimmer control; 16-segment peak-level meters; record mute with auto space; auto monitor; auto tape-type selector; timer record/play capability; Infrared remote sensor. RC-393 remote control unit optional. FR 15 Hz-20 kHz  $\pm 3$  dB high-bias; S/N 80 dB Dolby C, 60 dB no NR; W&F 0.045% wrms. 17 1/2 x 6 x 11 1/2 in; 11 lb .....\$400

### AD-500 Cassette Deck/CD Player

Dolby B. Logic control mechanism; hard-Permalloy record/play heads. Autoreverse; pitch control; reverse-mode selector; auto-tape selector; synchro record; zero return; full-function remote control with mute button. FR 50 Hz-15 kHz  $\pm 3$  dB high-

bias; S/N 69 dB Dolby B; W&F 0.08% wrms. 17 1/2 x 5 1/2 x 11 1/2 in; 12 lb .....\$389

### R-560 Auto Reverse Cassette Deck

Dolby B, C, HX Pro. Center-mounted tape transport; hard-Permalloy record/play rotating head; 2-color multifunction fluorescent display; dual peak-level meters with peak-hold; 4-digit electronic tape Index counter. Headphone jack. Autoreverse; tape-running status display; record mute with auto space; auto tape-type selection; blank scan; repeat; CD Synchro dubbing; full auto-stop; compatible with Teac UR system remote control. FR 25 Hz-18 kHz high-bias; S/N 79 dB Dolby C, 59 dB no NR; W&F 0.06% wrms. 17 1/2 x 5 1/2 x 11 1/2 in; 9 lb ...\$289

### V-615 Stereo Cassette Deck

Dolby B, C, HX Pro. IC logic control mechanism; hard-Permalloy record/play head; center-mounted tape transport. Headphone output. Tape-running status display; record mute with auto space; auto tape-type selection; blank scan; CD Synchro dubbing; full auto-stop; dual peak-level meters with peak-hold; 4-digit electronic tape counter; compatible with Teac UR system remote control; infrared remote sensor. RC-393 remote control unit optional. FR 25 Hz-18 kHz high-bias; S/N 79 dB Dolby C, 59 dB no NR; W&F 0.06% wrms. 17 1/2 x 5 1/2 x 11 1/2 in; 9 lb .....\$239

### V-377 Cassette Deck

Dolby B. Center-mount transport; hard-Permalloy record/play head. LED peak-level meter. FR 30 Hz-15 kHz; S/N 65 dB Dolby B; W&F 0.09% wrms. 17 1/2 x 5 1/2 x 8 1/2 in .....\$119

### Double Cassette Decks

#### W-6000R Double Cassette Deck

Dolby B, C, HX Pro. Cassette stabilizer; motor-driven volume control. L/R mic inputs; headphone jack. Rotating-head autoreverse record/play for both transports; +6% pitch control for one transport; 2-tape simultaneous play; mic/line mixing; auto fade-record with compatible CD players for one transport; program search; high-speed dubbing; auto record-level control; fluorescent display; remote control. FR 25 Hz-18 kHz high-bias; S/N 69 dB Dolby B, 79 dB Dolby C; W&F 0.06% wrms. 17 1/2 x 5 1/2 x 12 1/2 in .....\$750

#### W-850R Double Cassette Deck

Dolby B, C, HX Pro. Hard-Permalloy record/play heads. L/R mic inputs; headphone jack. Rotating-head auto-reverse record/play for both transports; 2-tape sequential play; program search; intro scan; blank search; record mute with auto space; dual level meters with peak-hold; two 4-digit electronic counters; fluorescent display; compatible with Teac UR system remote control. Separate remote optional. FR 25 Hz-18 kHz high-bias; S/N 79 dB Dolby C; W&F 0.06% wrms. 17 1/2 x 5 1/2 x 11 1/4 in ...\$339

#### W-780R Double Cassette Deck

Dolby B, C, HX Pro. Twin IC logic control mechanism; precision hard-Permalloy record/play rotating head system; synchro reverse and dubbing capability; dual peak-level program level meters with peak-hold function; CD/deck synchro dubbing. Headphone jack with level control. Auto-reverse and repeat-play; one-touch high-speed dubbing; bidirectional double-deck continuous play; bidirectional record and play; electronic tape counter with clear button; one-touch recording; one-key dubbing start; record mute with auto spacer; full auto-stop; blank scan; auto tape selector; compatible with Teac UR remote control. FR 25 Hz-18 kHz high-bias; S/N 79 dB Dolby C, 59 dB no NR; W&F 0.06% wrms. 17 1/2 x 5 1/2 x 11 1/4 in; 10 lb .....\$219

#### W-518R Double Cassette Deck

Dolby B. Hard-Permalloy heads. Record for 1 transport; 2-tape sequential play; autoreverse; auto tape-bias selector; full auto-stop; timer record/play; LED peak-level meters. FR 30 Hz-15 kHz high-bias; S/N 55 dB no NR, 65 dB Dolby B; W&F 0.09% wrms. 17 1/2 x 5 1/2 x 8 1/2 in .....\$169

### W-416 Double Cassette Deck

Dolby B. Hard-Permalloy heads. Record for 1 transport; high-speed dubbing; one-touch recording; full auto-stop; LED peak-level meters; high-speed dubbing; auto tape-bias selector; timer record/play; LED peak-level meters. FR 30 Hz-15 kHz high-bias; S/N 65 dB Dolby B NR; W&F 0.09% wrms. 17 1/2 x 5 1/2 x 8 1/2 in; 7 lb .....\$139

## TECHNICS

### RS-TR575 Double Cassette Deck

Dolby B, C, HX Pro. Record/play and autoreverse for both transports; 2-tape sequential record/play; auto tape calibration; bias control; high-speed dubbing; two linear counters; fluorescent peak-hold meters; remote control through select Technics receivers .....\$270

### RS-BX501 Cassette Deck

Dolby B, C, HX Pro. Advanced tape transport mechanism; auto tape calibration. Auto-reverse; linear-electronic tape counter; fluorescent peak-hold meters; headphone output-level control; wireless remote control through selected Technics receivers .....\$240

### RS-TR373 Double Cassette Deck

Dolby B, C, HX Pro. Autoreverse for both transports; 2X fast-forward/rewind speeds; high-speed dubbing; 2 fluorescent electronic counters; remote control through select Technics receivers ...\$220

### RS-TR272 Double Cassette Deck

Dolby B, C, HX Pro. Full-logic controls. Auto record-level control; high-speed editing with synchro start/stop; fluorescent display; electronic counter; wireless remote-control capability. FR 40 Hz-15 kHz dB high-bias; S/N 64 dB; W&F 0.18% wrms. 9 lb .....\$200

## YAMAHA

The following are compatible with Yamaha's system remote control.

### MDX-793 MD Recorder

20-bit D/A and 20-bit A/D converters. 24-bit quantization; sampling-rate converter; Time Rescue Recording saves previous 4 sec. 2 optical and 1 coaxial digital input. 25-track programming; random and repeat play; timer record/play; jog-dial controlled skip/search. Sampling rates 44.1 kHz; FR 5 Hz-20 kHz  $\pm 3$  dB; THD 0.0035%; dynamic range 98. 17 1/2 x 4 1/4 x 15 1/4 in; 17 lb .....\$699

### KX-W421 Double Cassette Deck

Dolby B, C, HX Pro for both transports. Microcomputer-controlled full-logic operation. Autoreverse; play-trim control; high-speed dubbing play trim; CD-tape synchro record; relay play; music search; auto record mute; record return; auto-tape type selection. Remote control optional. FR 20 Hz-18 kHz  $\pm 3$  dB high-bias; S/N 74 dB Dolby C, 58 dB no NR; W&F 0.08% wrms. 17 1/2 x 5 1/2 x 11 1/2 in; 11 lb .....\$299

### KX-393 Cassette Deck

Dolby B, C, HX Pro. Microcomputer-controlled full-logic operation; anti-vibration feet; hard-Permalloy heads; double-gap erase heads; cassette stabilizer. Front-panel headphone jack with level control. Play-trim control; auto tape optimization tuning; MPX filter switch; manual bias control; intro scan; CD-tape segment peak-level meters; 4-digit electronic tape counter. Remote control optional. FR 20 Hz-19 kHz  $\pm 3$  dB metal; S/N 74 dB Dolby C; W&F 0.07% wrms. 17 1/2 x 5 1/2 x 11 1/4 in; 13 lb ...\$249

### KX-W321 Double Cassette Deck

Dolby B and C. Microcomputer-controlled full-logic operation. Autoreverse; high-speed dubbing; auto tape-type selection; CD-tape synchro record; music search; auto record mute; record return. Remote control optional. FR 20 Hz-17 kHz  $\pm 3$  dB high-bias; S/N 58 dB no NR, 74 dB Dolby C; W&F 0.08% wrms. 17 1/2 x 5 1/2 x 11 1/2 in; 11 lb .....\$249



WU-810 ▲



WU-870 ▲



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# Hi-Fi VCR's

*The most popular way to enjoy great-sounding movies at home*

"Buy only a hi-fi VCR." Until a year or two ago that was expensive advice, but today you can get a good hi-fi VCR for as little as \$150. A hi-fi VCR is always stereo — assuming the program you are recording or the tape you are playing is in stereo. (In the early days of VHS, a stereo VCR was not necessarily hi-fi.) And only a hi-fi VCR will put out an audio signal you can decode in Dolby Pro Logic surround sound.

A VHS hi-fi VCR uses an extra pair of heads on the spinning video head drum to record the audio signal on a deeper layer of the tape than the video signal. The high relative speed of the tape passing these spinning heads results in great sound quality.

Movie studios record virtually all rental tapes with hi-fi soundtracks, and most of these are in stereo with encoded surround sound depending on the audio format of the original film. Always connect the audio outputs from the VCR directly

Hi-fi marks the top of the line in VCR audio. Manufacturers could pay greater attention to the audio circuitry if they wanted to, but few do, and even fewer advertise audio refinements. When you

the extra tariff, all S-VHS decks come with hi-fi sound.

The remainder of your investment goes toward convenience features such as automatic clock-setting using a signal



**TOSHIBA M784**

pay more for a hi-fi VCR, the extra money typically goes toward improved video quality and more convenience features.

Desirable video improvements include video heads with a special narrow 19-micron gap optimized for the slow (long-play) recording speed and various forms of digital video noise reduction. Top-of-the-line VCRs may combine three or four video noise-reduction techniques,

from a local TV station. Some VCRs offer compatibility with Extended Data Services (XDS), which allows stations to send data identifying the network, the station's call letters, and the program.

If you like to program your VCR to record upcoming TV shows, a long backup memory — 4 hours or more — comes in handy when the power fails. If you record satellite broadcasts, an infrared relay (sometimes called an IR mouse) that allows your VCR to control your satellite receiver is essential. Many VCRs now include on-screen program guides (also downloaded from local TV signals) that let you highlight a program listing and press one button on the remote to set the VCR to record it. A few models include circuitry to recognize commercials and mark them during recording so that they can be skipped automatically during playback. Others simply skip forward in 30- or 60-second increments when you press a button on the remote. And still others can skip over the promotional material on rental tapes. —Rich Warren



**JVC HRS7500U**

to your amplifier, receiver, or surround-sound system (or the stereo audio inputs on your TV if you don't have a separate sound system for it). Using the coaxial RF antenna output from the VCR to the TV degrades audio quality — and, in most VCRs, results in mono playback.

resulting in an impressive picture free of snow and fuzziness. However, no added circuits can really improve the basic VHS resolution unless you opt for a Super-VHS deck, which is considerably more expensive. Also, there are no rental movies in S-VHS. If you do decide to pay

# Hi-Fi VCR's

## AIWA

### HV-MX100 VHS Hi-Fi VCR

5 play/4 record speeds; 4 video heads; frequency-synthesis tuner; 6 events/30 days programming; 181 channels. MTS/SAP decoder; digital auto tracking; HQ circuitry; auto head cleaner. Front-panel A/V input. Jog/shuttle control; slow motion; skip search; index search; linear time counter; 5-language on-screen display; memory backup. 17 x 3 3/4 x 14 1/4 in; 12 lb .....\$950

### HV-FX7000 VHS Hi-Fi VCR

3 play/record speeds; 4 video heads; frequency-synthesis tuner; 8 events/30 days programming; 181 channels. HQ circuitry; auto head cleaner. Front-panel A/V input. VCR Plus+; quick-timer recording; slow motion; commercial skip; skip search; Index search; on-screen display; multibrand remote control. 17 x 3 3/4 x 11 1/2 in; 12 lb .....\$250

## EMERSON RADIO

### EV-706N VHS Hi-Fi VCR

3 play/record speeds; 4 video heads; frequency-synthesis tuner; 8 events/1 year programming; 181 channels. Digital auto tracking; high-speed rewind. RCA A/V inputs and outputs. 1-min timer backup; quick-start mechanism; trilingual on-screen display; auto power-on/play/rewind/eject; shuttle control; child lock; commercial skip; one-touch recording; index search; remote control. 14 1/2 x 3 3/4 x 11 in; 8 lb .....\$230

## FISHER

### FVH-T668S VHS Hi-Fi VCR

2 play/record speeds; 4 video heads; 8 events/1 year programming; 181 channels. 1-hr memory backup. 2 composite-video inputs (1 front, 1 rear), 1 output; 2 audio inputs, 1 output. 5X, 10X, and 15X search speeds; real-time counter; auto channel set-up; still frame with frame advance; slow motion; fast play with sound; category-titling and play-search function; commercial skip; VCR Plus+; index search; universal remote control with shuttle dial and illuminated keys. Includes 2 AA batteries. Black. 3 3/4 x 14 1/4 x 11 1/2 in; 7 lb .....\$200

## GO-VIDEO

### DDV9700X VHS Dual-Well Hi-Fi VCR

2 play/record speeds; 4 video heads; frequency-synthesis tuner; 8 events/1 year programming; 181 channels. Quasi-S-VHS play; external control port for PCs; complete program record; auto digital tracking; auto head cleaner; proprietary 3-D audio; video-sequencing play and record; 1 recording deck; 1 play-only deck. 2 RCA video and 2 RCA audio inputs. Jog/shuttle on remote; real-time tape counter; index search; skip search; high-speed rewind; multiscene auto editing; on-screen programming; date-and-time stamp; on-screen titler. S/N 68 dB; W&F 0.0005% wrms; THD 0.2%; ch sep 60 dB. 21 x 4 x 15 1/4 in; 20 lb .....\$850  
**DDV9700Z.** As above, gray bezel .....\$750  
**Developer's Kit.** Windows-based software to program any Go-Video Hi-Fi VCR .....\$100

### DDV9600Z VHS Dual-Well Hi-Fi VCR

2 play/record speeds; 4 video heads; frequency-synthesis tuner; 8 events/1 year programming; 181 channels. Proprietary 3-D audio; auto digital tracking; complete program record; video-sequencing play and record; 1 recording deck, 1 play only. 2 RCA video and audio inputs. Real-time tape counter; index search; skip search; high-speed rewind; multiscene auto editing; bilingual on-screen programming; date-and-time stamp; multibrand remote control. Includes batteries. S/N 68 dB; W&F 0.0005% wrms; THD 0.2%; ch sep 25 dB. 21 x 4 x 15 1/4 in; 20 lb .....\$750

### GV-6060 VHS Dual-Well Hi-Fi VCR

2 play/record speeds; 4 video heads; frequency-synthesis tuner; 8 events/1 month programming; 181 channels. Digital picture enhancement; digital

auto tracking; auto head cleaner; MTS stereo; video-sequencing play and record; 1 recording deck, 1 play only. 2 RCA video and audio inputs and outputs. Real-time tape counter; index search; skip search; high-speed rewind; synchro-edit and copy; audio-insert edit; bilingual on-screen programming; date-and-time stamp; auto show finder; complete-program record; frame advance. Includes batteries. S/N 68 dB; W&F 0.005% wrms; THD 0.2%; ch sep 60 dB. 14 1/2 x 7 1/2 x 11 in; 18 lb .....\$699

## HITACHI

### VTUX717A VHS Hi-Fi VCR

2 play/record speeds; 4 video heads; 8 events/1 year programming; 181 channels. Flying erase head; 19-micron heads; auto picture; closed-caption decoder; 1-hr memory backup. 2 composite-video inputs (1 front, 1 rear), 1 output; 1 audio input and output. 7X and 21X search speeds; real-time counter; auto channel set-up with add/erase function; still frame with frame advance; slow motion; tape-position indicator; audio and video dubbing functions; auto rewind; VCR Plus+ with cable box controller; index search; jog/shuttle control; auto clock set; universal remote control with shuttle dial and illuminated keys. Includes batteries. Black finish. 3 3/4 x 17 x 14 1/4 in .....\$349

**VTUX625A.** As VTUX717A, no flying erase head; no closed caption decoder. No audio or video Dubbing; no tape-position indicator; shuttle control without jog function. Adds movie advance. 3 3/4 x 17 x 11 in; 6 lb .....\$249

**VTFX624A.** As VTUX717A, no movie advance. Titanium hot stamp finish. 3 3/4 x 15 x 10 1/4 in .....\$219

**VTFX633A.** As VTFX624A but remote control is not illuminated; without shuttle dial. Adds blank-tape search and enhanced indexing function. Bronze metallic finish. 4 1/2 lb .....\$199

**VTFX631A.** As VTFX633A, no front A/V inputs; no cable box controller; no auto clock set .....\$179

**VTFX630A.** As VTFX631A, standard remote control; no VCR Plus+ .....\$159

## JVC

*The following VCRs all have four 19-micron video heads, 181-channel frequency-synthesis tuners, 2 play and 2 record speeds, 8-event/1-year programming, HG circuitry, and digital picture enhancement.*

### HR-S9500U S-VHS Hi-Fi VCR

Active Video Calibration; 4-MB frame memory; digital A/V tracking; surge-protection circuitry; flying erase head; audio dubbing; 10-min power backup. 2 audio, 2 S-video inputs, 1 S-video output. VCR Plus+ with cable-box control; audio-recording level control; audio-recording indicator; multilingual on-screen menu with menu button on deck; child lock; jog/shuttle control on remote; DBS tuner control; instant review; tape-position indicator; noiseless variable search with audio at normal speed; auto index; auto daylight saving time; repeat play; commercial advance; movie advance; real-time tape counter; multibrand remote control with fluorescent keys. Horizontal resolution 400 lines; FR 20 Hz-20 kHz; S/N 45 dB. 17 1/2 x 4 x 13 1/2 in; 11 lb .....\$700  
**HR-S7500U.** As above with 2-MB frame memory. Remote lacks fluorescent keys and jog/shuttle control. 17 1/4 x 3 3/4 x 14 in .....\$600

### HR-S5400U VHS Hi-Fi VCR

Active Video Calibration; auto tracking. 2 audio inputs; S-video input and output; J terminal computer interface; A/V CompuLink. VCR Plus+ with cable-box control; auto play; insert editing; audio dubbing; shuttle; DBS tuner control; audio level meter; multibrand remote control with fluorescent keys. Horizontal resolution 240 lines; FR 20 Hz-20 kHz; S/N 45 dB. 15 1/4 x 3 3/4 x 13 1/2 in; 10 lb .....\$600

### HR-S4500U S-VHS Hi-Fi VCR

Digital A/V tracking; surge-protection circuitry; 2 A/V inputs; S-VHS input and output; J terminal

computer interface. VCR Plus+ with cable-box control; noiseless variable search with audio at normal speed; movie advance; jog/shuttle on unit; insert editing; audio dubbing; auto timer recording; one-touch programming; auto play; instant review; DBS tuner control; audio level meters; multibrand remote control with fluorescent keys. Horizontal resolution 400 lines; S/N 45 dB. 16 x 3 3/4 x 13 1/2 in; 8 lb .....\$500  
**HR-S3500U.** As above without noiseless variable search with audio at normal speed, insert editing, or audio dubbing .....\$380

### HRDD840U VHS Hi-Fi VCR

Flying erase head; Ultra Spec drive with jitter-reduction circuits; oval-cut head system; digital auto tracking; time scan with dynamic drum system. Front panel gold-plated A/V inputs. VCR Plus+ with cable-box control; audio recording-level control with indicator; audio dubbing; jog/shuttle control on VCR; manual index; instant review; on-screen tape-position indicator; trilingual on-screen color menu; Index search; skip search; auto reset real-time counter; auto daylight saving time; auto index; auto clock set; auto picture system; DBS tuner control; multibrand universal remote control; A/V CompuLink. Horizontal resolution 240 lines; FR 20 Hz-20 kHz; S/N 96 dB; W&F 0.005% wrms; THD 1%; dynamic range 90 dB. 3 3/4 x 15 1/4 x 13 1/2 in; 10 lb .....\$500

### HR-DD750U VHS Hi-Fi VCR

Digital A/V tracking; surge-protection circuitry; Active Video Calibration; 2 A/V inputs. VCR Plus+ with cable control; noiseless variable search with audio at normal speed; movie advance; shuttle; insert editing; audio dubbing; auto timer recording; one-touch programming; auto play; instant review; audio level meters; multibrand remote control. Horizontal resolution 240 lines; FR 20 Hz-20 kHz; S/N 45 dB. 15 1/4 x 3 3/4 x 13 1/2 in; 9 lb .....\$330

### HR-VP654U VHS Hi-Fi VCR

HQ circuitry; auto tracking; auto picture; surge protection. 2 A/V inputs. VCR Plus+; auto play; movie advance; one-touch programming; auto timer recording; shuttle; instant review; DBS tuner control; tape-position indicator; real-time counter; auto index; slow motion; repeat play; A/V CompuLink; multibrand remote. Horizontal resolution 240 lines; FR 20 Hz-20 kHz; S/N 45 dB. 15 1/4 x 3 3/4 x 10 1/4 in; 6 lb .....\$280  
**HR-VP650U.** As above without instant review or DBS tuner control. 14 1/4 x 3 3/4 x 10 1/4 in; 6 lb .....\$250  
**HR-A54U.** As HR-VP650U without auto play or movie advance .....\$230

## MARANTZ

### MV-830 S-VHS Hi-Fi VCR

2 play/record speeds; 4 video heads; 8 events/30 days programming; 125 channels. 2 video inputs; 2 audio outputs. VCR Plus+ with cable-box control; 10-min memory backup; still frame; slow motion; index search; universal remote control. Horizontal resolution 400 lines; FR 20 Hz-20 kHz. 15 1/4 x 3 3/4 x 13 1/2 in; 10 lb .....\$699

### MV-880 S-VHS Hi-Fi VCR

2 play/record speeds; 4 video heads; 8 events/30 days programming; 125 channels. Comb filter; flying erase head. 4 video inputs; 6 audio outputs. VCR Plus+ with cable-box control; index search;

From AC-3 to zone,  
 the Glossary of technical  
 terms will help you get  
 the most out of the listings.

See page 243.

# Hi-Fi VCR's

jog/shuttle control on unit and remote; universal remote control. Horizontal resolution 400 lines; FR 20 Hz-20 kHz ..... \$599

## MITSUBISHI

The following 4-head VCRs all have 2 play/record speeds, 181-channel frequency-synthesis tuners, 8-event/28-day programming, and 19-micron heads.

### HS-U790 S-VHS Hi-Fi VCR

Tape-optimization system; auto head cleaner; MTS/SAP decoder; 250X fast-forward/rewind speed; 27X high-speed search; digital dynamic comb filter; switching noise reduction; flying erase head; pre-roll. Active A/V network input and output; 2 rear video inputs; 3 rear video outputs; 1 stereo rear audio input; 1 front-panel A/V input. VCR Plus+ Gold with cable converter control; 30-min timer backup system; auto daylight-saving-time adjustment; zero-counter stop; auto index; 2X play with sound; shuttle control on remote; index search; auto speed programming; one-key programming; one-key programming; proprietary one-touch recording; quick program; commercial skip; forward and reverse 2-speed locking visual search; jog/ shuttle control; dual remote codes; dubbing-mode switch; sharpness control; record level controls; record level meters; multibrand remote control. Includes infrared emitter. Horizontal resolution 400 lines; FR 20 Hz-20 kHz; S/N 90 dB; W&F 0.005% wrms; THD 0.3%; dynamic range 90 dB; ch sep 60 dB. 16 1/2 x 3 3/4 x 12 1/2 in; 10 lb ..... \$749

### HS-U781 S-VHS Hi-Fi VCR

Rapid-start transport; digital auto tracking; tape-optimization system; HQ circuitry with detail enhancer; S-VHS record and play; 250X fast-forward/rewind speed; audio head switching noise reduction; pre-roll. Front-panel S-video audio input; rear panel S-video audio input; 2 video outputs; 1 S-video output; 2 audio outputs; active A/V Network input/output. Menu system; VCR Plus+ Gold with cable-box and DSS-receiver control, auto setup; elapsed- and remaining-time indicators; one-key programming; one-touch record; quick program; auto speed programming; auto clock set; 30-min timer backup; jog/shuttle on front panel; child lock; high-speed locking visual search; 2X play with sound; commercial advance; zero-counter stop; Index marking auto and manual during record; index search; index repeat; still frame; frame advance; slow motion; dual remote codes; auto power-on; one-touch play; power-off eject; multibrand TV remote with jog/shuttle control. Horizontal resolution 400 lines; FR 20 Hz-20 kHz; S/N 90 dB; W&F 0.005% wrms; THD 0.3%; dynamic range 90 dB; ch sep 60 dB. 16 1/2 x 3 3/4 x 12 in; 10 lb ..... \$579

### HS-U681 VHS Hi-Fi VCR

Rapid-start transport; digital auto tracking; tape optimization system; HQ circuitry with detail enhancer; 250X fast forward/rewind speed; audio head switching noise reduction; flying erase head; pre-roll. Front-panel A/V input; 2 audio outputs; active A/V Network input/output. Menu system; VCR Plus+ Gold with cable-box and DSS-receiver control and auto setup; A/V network with system 2; elapsed- and remaining-time indicators; child lock; locking visual search; high speed visual search; 2X play with sound; commercial advance; zero rewind; automatic and manual index marking during record; index search; repeat; still frame; frame advance; reverse play; dual remote codes; auto power on; A/V dubbing; auto rewind; multibrand remote with jog/shuttle control. Horizontal resolution 240 lines; FR 20 Hz-20 kHz; S/N 90 dB; W&F 0.005%; THD 0.3%; dynamic range 90 dB; ch sep 60 dB. 16 1/2 x 3 3/4 x 12 in; 10 lb ..... \$549

### HS-U590 VHS Hi-Fi VCR

Tape-optimization system; auto head cleaner; MTS/SAP decoder; 250X fast-forward/rewind speed; comb filter; defeatable noise reduction. Active A/V network input and output; front-panel A/V input.

VCR Plus+ Gold with cable-box control; 30-min timer backup; auto daylight-saving-time adjustment; zero return; auto index; 27X search speed; 2X play with sound; shuttle control on remote; index search; auto speed programming; one-key programming; proprietary one-touch recording; quick program; commercial skip; 2-speed locking visual search; jog/ shuttle control; dual remote control codes; multibrand remote control. Includes infrared emitter. 16 1/2 x 3 3/4 x 12 in; 10 lb ..... \$429

### HS-U540 VHS Hi-Fi VCR

Tape-optimization system; auto head cleaner; MTS/SAP decoder; 250X fast-forward/rewind speed; comb filter; defeatable noise reduction. Active A/V network input and output; front-panel A/V input. VCR Plus+; 30-min timer backup; auto-daylight-saving-time adjustment; zero return; auto index; 27X search speed; 2X play with sound; shuttle control on remote; index search; auto speed programming; one-key programming; one-touch recording; quick program; commercial skip; 2-speed locking visual search. 16 1/2 x 3 3/4 x 12 in; 10 lb ..... \$379

### HS-U440 VHS Hi-Fi VCR

MTS/SAP decoder; 250X fast-forward/rewind speed; comb filter; defeatable noise reduction; tape-optimization system. Front-panel A/V input. 30-min timer backup; auto daylight-saving-time adjustment; zero return; auto index; 27X search speed; 2X play with sound; index search; auto speed programming; one-key programming; one-touch recording; quick program; commercial skip; 2-speed locking visual search; shuttle control on remote; multibrand remote control. Includes batteries for remote. 16 1/2 x 3 3/4 x 12 in; 10 lb ..... \$349

### HS-U431 VHS Hi-Fi VCR

Rapid-start transport; digital auto tracking; tape-optimization system; HQ circuitry with detail enhancer; 200X fast-forward/rewind speed; audio head switching noise reduction. Rear-panel A/V inputs and outputs; 2 audio outputs. Menu system; auto power save; elapsed- and remaining-time indicators; one-key programming; one-touch record; quick program; auto speed programming; auto clock set; 30-min timer backup; shuttle controls on unit; child lock; high-speed locking visual search; 2X play with sound; commercial skip; zero counter stop; index marking auto and manual during record; index search; index repeat; still frame with frame advance; reverse play; multispeed slow motion; fast play; auto power-on; auto rewind; one-touch play; power-off eject; multibrand TV remote control. Horizontal resolution 240 lines; FR 20 Hz-20 kHz; S/N 90 dB; W&F 0.005% wrms; THD 0.3%; dynamic range 90 dB; ch sep 60 dB. 15 x 3 3/4 x 12 in; 8 lb ..... \$279

## OPTIMUS BY RADIO SHACK

### Model 66 VHS Hi-Fi VCR

3 play/record speeds; 4 video heads; 8-events/1-month programming; 179 channels. Auto tracking; 26-micron double-azimuth heads; video noise-reduction system. Front-panel A/V Input. VCR Plus+; channel, date, and time stamp; channel-caption display; index search; auto play; auto play/rewind/eject; real-time counter; 1-min skip; trilingual on-screen programming; auto clock set; auto daylight-saving-time adjustment; memory sentinel; commercial advance; movie advance; freeze frame with frame advance; slow motion; multibrand remote control; child lock. FR 20 Hz-20 kHz; S/N 70 dB. 15 x 3 3/4 x 11 1/2 in; 8 lb ..... \$280  
**Model 65.** As above without VCR Plus+ ..... \$250  
**Model 64.** As Model 65 without commercial advance or movie advance ..... \$230

## PANASONIC

Except as noted, the following VCRs have 4 video heads, quartz-locked 181-channel frequency-synthesis tuners, and 8-event/1-month programming.

### PV-S4690 S-VHS Hi-Fi VCR

Digital video signal processor; dynamorphous met-

al heads; auto head cleaner; Spatializer virtual surround processing; flying erase head. Front-panel A/V input; 5-pin edit Jack. VCR Plus+ Gold with cable-box and DSS-receiver control; index search; auto clock set with 24-hr backup; auto daylight-saving-time adjustment; commercial advance; movie advance; shuttle control on unit; assemble editing; one-touch recording; child lock with warning beeper; high-speed search; frame advance; zero return; 1-min skip; auto repeat; channel caption; time stamp; universal remote control. 16 1/2 x 3 3/4 x 11 1/2 in; 10 lb ..... \$1,100

### PV-HD1000 D-VHS Hi-Fi VCR

Digital VCR capable of processing standard (SD) or high definition (HD) signals; IEEE-1394 digital interface. Front-panel A/V input. Auto clock set; remote control. Includes IEEE-1394 digital interface connection cable ..... \$NA

### PV-S7680 S-VHS Hi-Fi VCR

Auto head cleaner; Spatializer virtual surround processing; dynamorphous metal heads; flying erase head with A/V dubbing. Front-panel A/V Input; 5-pin editing Jack. Index search; trilingual on-screen display; auto clock set with 24-hr backup; auto daylight-saving-time adjustment; shuttle on unit; search; audio level meter; one-touch recording; child lock; warning beeper; high-speed search; frame advance; zero return; 1-min skip; auto repeat; channel caption; time stamp; universal remote control. 16 1/2 x 3 3/4 x 11 1/2 in; 10 lb ..... \$700

### PV-8664 VHS Hi-Fi VCR

Dynamorphous-metal heads; auto head cleaner; Spatializer virtual surround processing; digital auto picture; digital auto tracking; self-diagnostic system. Front-panel A/V input. VCR Plus+ Gold with cable-box and DSS-receiver control; auto clock set with 24-hr backup; auto daylight-saving-time adjustment; commercial advance; movie advance; shuttle; time stamp; channel caption; Program Director; one-touch recording; child lock with warning beeper; auto channel set; frame advance; auto repeat; high-speed search. 16 1/2 x 3 3/4 x 11 1/2 in; 10 lb ..... \$350

### PV-8662 VHS Hi-Fi VCR

Auto head cleaner; Spatializer virtual surround processing; digital auto picture; digital auto tracking; self-diagnostic system. Front-panel A/V input. VCR Plus+ with cable-box and DSS control; index search; trilingual on-screen display; auto clock set with 24-hr backup; commercial advance; movie advance; time stamp; channel caption; Program Director; one-touch recording; child lock with warning beeper; auto channel set; frame advance; high-speed search; auto repeat; universal remote control. 16 1/2 x 3 3/4 x 11 1/2 in; 8 lb ..... \$300

### PV-8661 VHS Hi-Fi VCR

Auto head cleaner; digital auto tracking; self-diagnostic system. Front-panel A/V Input. VCR Plus+; index search; trilingual on-screen display; one-touch recording; Program Director; child lock with warning beeper; frame advance; high-speed search; zero return; 1-min skip; auto repeat; channel caption; time stamp; universal remote control. 16 1/2 x 3 3/4 x 11 1/2 in; 8 lb ..... \$230

### PV-S7670 S-VHS Hi-Fi VCR

MTS/SAP decoder; Spatializer virtual surround processing; dynamorphous metal head; chrominance and luminance noise reduction; auto head cleaner; digital auto picture. Front-panel A/V input. VCR Plus+ with cable-box control; index search; auto clock set with 24-hr backup; trilingual on-screen display; one-touch recording; child lock; frame advance; zero return; 1-min skip; auto repeat; channel caption; time stamp; high speed search. 16 1/2 x 3 3/4 x 11 1/2 in; 8 lb ..... \$230

### PV-8451 VHS Hi-Fi VCR

Video head sensor system; digital auto tracking; self-diagnostic system. Front-panel A/V input. VCR Plus+; index search; trilingual on-screen display; one-touch recording; child lock with warning beep-

# Hi-Fi VCR's

er; frame advance; zero return; 1-min skip; auto repeat; channel caption; time stamp; auto clock set with 24-hr backup; high-speed search; universal remote control. 15 x 3 3/4 x 12 1/4 in; 8 lb . . . . . \$220  
**PV-8450.** As above without VCR Plus+ . . . . . \$200

## PV-8401 VHS Hi-Fi VCR

Digital auto picture; digital auto tracking; self-diagnostic system. VCR Plus+; Program Director; Index search; trilingual on-screen display; one-touch recording; child lock with warning beeper; frame advance; high-speed search; zero return; 1-min skip; auto repeat; auto clock set with 24-hr backup; universal remote control. 15 x 3 3/4 x 12 1/4 in; 8 lb . . . \$190  
**PV-8400.** As above without VCR Plus+ . . . . . \$180

## PV-8200 VHS Hi-Fi VCR

2 video heads. Digital auto tracking. Auto clock set with 24-hr backup; Program Director; self-diagnostic system; Index search system; trilingual on-screen display; one-touch recording; child lock with warning beeper; frame advance; zero return; 1-min skip; auto repeat; universal remote control. 15 x 3 3/4 x 12 1/4 in; 8 lb . . . . . \$149

## PHILIPS

### VR988 S-VHS Hi-Fi VCR

3 play/2 record speeds; 4 video heads; frequency-synthesis tuner; 8 events/1 year programming; 181 channels. 19-micron head; HQ circuitry; digital auto tracking; quick-start mechanism; 21X fast-forward/rewind speed; auto head cleaner; video-stabilizer circuitry. Front- and rear-panel A/V inputs and outputs; S-video inputs and outputs. VCR Plus+ C<sup>3</sup> cable-box control; jog shuttle control on unit; level meters; auto clock set; index search; child lock; variable slow motion; repeat play; trilingual on-screen display; frame advance with still frame; timer backup; skip search; universal remote control. Horizontal resolution 400 lines; FR 100 Hz-12 kHz ±3 dB; S/N 75 dB; W&F 0.005%; THD 0.25%. 8 lb . . . . . \$329

## PHILIPS MAGNAVOX

*The following VCRs all have 4 video heads, 181-channel frequency-synthesis tuners, 8-event/1-year programming, 3 play and 2 record speeds, digital auto tracking, double-azimuth heads, and a quick-start mechanism.*

### VRZ464AT VHS Hi-Fi VCR

19-micron heads; HQ circuitry; 21X fast-forward/rewind speed; auto head cleaner. Front- and rear-panel A/V inputs and outputs. VCR Plus+ with cable-box control; shuttle control on front panel; level meters; auto clock set; index search; variable slow motion; repeat play; one-touch recording; auto channel set; real-time counter; daylight saving timer; auto play; auto power-off eject; timer backup; trilingual on-screen display; frame advance with still frame; universal remote control. Horizontal resolution 240 lines; FR 100 Hz-12 kHz ±3 dB; S/N 75 dB; W&F 0.005% wrms; THD 0.25%. 15 1/2 x 3 3/4 x 10 1/2 in; 8 lb . . . . . \$229

### VRZ360AT VHS Hi-Fi VCR

19-micron heads; HQ circuitry; 15X fast-forward/rewind speed; auto head cleaner. VCR Plus+; auto clock set; trilingual on-screen display; repeat play; real-time counter; auto daylight saving time; auto play; auto rewind; auto power-off eject; Index search; slow motion; frame advance with still frame; universal remote control. Horizontal resolution 240 lines; FR 100 Hz-12 kHz ±3 dB; S/N 75 dB; W&F 0.005% wrms; THD 0.25%. 14 1/4 x 3 3/4 x 10 1/2 in; 8 lb . . . . . \$189

### VRZ264AT VHS Hi-Fi VCR

19-micron heads; 21X fast-forward/rewind speed; auto head cleaner. Front- and rear-panel A/V inputs and outputs. VCR Plus+; auto clock set; trilingual on-screen display; repeat play; real-time counter; auto daylight saving time; auto play; auto rewind; auto power-off eject; index search; frame advance

with still frame; 10-min timer backup; universal remote control. Horizontal resolution 240 lines; FR 100 Hz-12 kHz ±3 dB; S/N 75 dB; W&F 0.005%; THD 0.25%. 15 1/2 x 3 3/4 x 10 1/2 in; 8 lb . . . . . \$189

### VRZ362AT VHS Hi-Fi VCR

HQ circuitry; 15X fast-forward/rewind speed; auto head cleaner. Front- and rear-panel gold-plated inputs and outputs. VCR Plus+; auto clock set; bilingual on-screen display; 1-min timer backup; auto channel setup; one-touch recording; repeat play; real-time counter; auto daylight-saving-time; slow motion; auto play; auto rewind; auto power-off eject; index search; skip search; universal remote control. Horizontal resolution 240 lines; FR 100 Hz-12 kHz ±3 dB; S/N 75 dB; W&F 0.005% wrms; THD 0.25%. 15 1/2 x 3 3/4 x 9 1/4 in; 7 lb . . . . . \$189

### VRZ255AT VHS Hi-Fi VCR

19-micron heads; 21X fast-forward/rewind speed; auto head cleaner. Front- and rear-panel A/V inputs and outputs. VCR Plus+; trilingual on-screen display; repeat play; real-time counter; auto daylight saving time; auto play; auto rewind; auto power-off eject; index search; frame advance with still frame; 10-min timer backup; slow motion; universal remote control. Horizontal resolution 240 lines; FR 100 Hz-12 kHz ±3 dB; S/N 75 dB; W&F 0.005% wrms; THD 0.25%. 14 1/4 x 3 3/4 x 10 1/2 in; 8 lb . . . . . \$169

### VRZ262AT VHS Hi-Fi VCR

HQ circuitry; 15X fast-forward/rewind speed; auto head cleaner. Front- and rear-panel A/V inputs and outputs. VCR Plus+; bilingual on-screen display; time search; 1-min timer backup; auto channel setup; one-touch recording; repeat play; real-time counter; auto daylight saving time; auto play; auto rewind; auto power-off eject; universal remote control. Horizontal resolution 240 lines; FR 100 Hz-12 kHz ±3 dB; S/N 75 dB; W&F 0.005% wrms; THD 0.25%. 14 1/4 x 3 3/4 x 9 1/4 in; 6 lb . . . . . \$169

## PROSCAN

### PSVR83 VHS Hi-Fi VCR

3 play/record speeds; 4 video heads; frequency-synthesis tuner; 8 events/1 year programming; 181 channels. Digital auto tracking; HQ circuitry; high-speed rewind; quick-start mechanism; flying erase head; auto head cleaner. 2 gold-plated RCA inputs; gold-plated RCA output. VCR Plus+; auto channel search; auto daylight saving time; auto repeat; bilingual on-screen menus; blank search; commercial advance; DSS-receiver/cable-box control; shuttle control on front panel; one-touch recording; child lock; real-time counter; on-screen programming; index search; XDS compatible; back-lit universal remote with jog/shuttle control. Horizontal resolution 240 lines; FR 20 Hz-20 kHz -3/+1 dB; S/N 70 dB; W&F 0.012% wrms; THD 0.3%; dynamic range 75 dB; ch sep 70 dB. 15 1/2 x 3 3/4 x 12 1/2 in; 10 lb . . . \$449  
**PSVR65.** As above, no flying-erase head . . . \$399  
**PSVR57.** As PSVR65, without commercial advance or XDS compatibility . . . . . \$379

### PSVR74 VHS Hi-Fi VCR

3 play/2 record speeds; 4 video heads; frequency-synthesis tuner; 8 events/1 year programming; 181 channels. Double-azimuth heads; HQ circuitry; digital auto tracking; auto head cleaner; digital auto picture; comb filter. Gold-plated front-panel A/V input; gold-plated audio input; gold-plated audio output. VCR Plus+ Gold; auto clock set; shuttle control on front panel; menu system; zero search; 24-hr memory backup; commercial advance; movie advance; multibrand remote control with DSS and cable-box controls. 17 x 3 3/4 x 11 1/2 in; 8 lb . . . . . \$379  
**PSVR72.** As above without DSS or cable-box control on remote . . . . . \$349  
**PSVR70.** As PSVR72 without commercial or movie advance; VCR Plus+ not VCR Plus+ Gold . . . \$329

### QUASAR

#### VHQ860 VHS Hi-Fi VCR

4 video heads; quartz tuner; 8 events/1 month pro-

gramming; 181 channels. Auto tracking; self-diagnostic system; digital auto picture. VCR Plus+; Program Director; auto daylight saving time; index search; trilingual on-screen display; frame advance; child lock; multibrand TV/cable/DSS remote control. 15 x 3 3/4 x 12 1/4 in; 8 lb . . . . . \$190  
**VHQ840.** As above, no digital auto picture . . . \$170  
**VHQ820.** As VHQ820 but with 2 heads and without VCR Plus+ . . . . . \$140

## RCA

*The following VCRs all have 4 video heads, 181-channel frequency-synthesis tuners, 8-event/1-year programming, 3 play and 2 record speeds, and HQ circuitry.*

### VR913HF D-VHS Hi-Fi VCR

19-micron video heads; D-VHS record/play when used with compatible RCA DSS unit. Front-panel A/V input. Auto clock set; shuttle control; DSS control; index search; LCD display; back-lit universal remote control. Includes digital cable, remote-control batteries. 15 x 3 3/4 x 11 in; 8 lb . . . . . \$699

### VR692HF VHS Hi-Fi VCR

Digital auto tracking; digital auto picture. Front-panel A/V input. VCR+ with cable and DSS box control; commercial advance; movie advance; auto clock set; auto repeat; zero search; 24-hr memory backup; back-lit universal remote control. 15 x 3 3/4 x 11 1/2 in; 8 lb . . . . . \$329

### VR636HF VHS Hi-Fi VCR

Digital auto tracking. Front-panel A/V input. VCR Plus+ with cable and DSS box control; auto clock set; index search; 24-hr memory backup; real-time counter; universal remote control. 14 1/2 x 3 3/4 x 10 1/2 in; 8 lb . . . . . \$299

### VR645HF VHS Hi-Fi VCR

Digital auto tracking. Front-panel A/V input. VCR Plus+; commercial advance; movie advance; real-time counter; index search; 24-hr memory backup; universal remote control. 14 1/2 x 3 3/4 x 10 1/2 in; 8 lb . . . . . \$299

### VR629HFB VHS Hi-Fi VCR

Digital auto tracking. Front-panel A/V input. VCR Plus+; 24-hr memory backup; index search; back-lit universal remote control. 14 1/2 x 3 3/4 x 10 1/2 in; 8 lb . . . . . \$269

### VR622HF VHS Hi-Fi VCR

Digital auto tracking; digital auto picture. VCR Plus+; 24-hr memory backup; child lock; zero search; on-screen tape-position indicator. 15 x 3 3/4 x 11 1/2 in; 8 lb . . . . . \$249

## SAMSUNG

### VR8808 VHS Hi-Fi VCR

2 play/record speeds; 4 video heads; 8 events/30 days programming; 181 channels; 6-hr memory backup; Diamond Head video head system; year-2000-compliant clock/timer with auto clock set. 2 composite-video inputs (1 front, 1 rear), 1 output; 1 audio input, 2 audio outputs (1 front, 1 rear). 7X and 21X search speeds; real-time counter; auto channel set-up with add/erase function; still frame with frame advance; slow motion; variable-speed play; auto rewind; VCR Plus+ with cable-box controller mouse, shuttle dial on VCR; skip search in 30-sec increments; tape-remaining display; child-safety door lock; universal remote control with shuttle dial and illuminated keys. Horizontal resolution 230 lines; FR 20 Hz-20 kHz. Dark gray. 3 3/4 x 14 1/2 x 11 1/2 in; 7 lb . . . . . \$210  
**VR8708.** As VR8808, no VCR Plus+; no shuttle control on VCR . . . . . \$190  
**VR8608.** As VR8808, no VCR Plus+; no shuttle control on VCR; no auto clock set; no front-panel A/V jacks . . . . . \$170  
**VR8508.** As VR8808, no VCR Plus+; no shuttle control on VCR; no auto clock set; no front A/V jacks; standard remote control . . . . . \$160

# Hi-Fi VCR's

## SANYO

### VHR-H538 VHS Hi-Fi VCR

2 play/record speeds; 4 video heads; 8 events/1 year programming; 181 channels; 5X, 10X, and 15X search speeds; real-time counter; auto channel set-up; 5-sec memory backup; auto clock set. Two composite video inputs (1 front, 1 rear); 2 audio inputs; 1 composite video output; 1 audio output. Still frame with frame advance; slow motion; auto rewind; index search; category-tilting and play-search functions; commercial skip; variable audio outputs; universal remote control with illuminated keys. Includes 2 AA batteries. Metallic-gray cabinet. 3 7/8 x 14 1/4 x 10 3/4 in; 7 lb .....\$180  
**VHR-H518.** As above, no front-panel A/V input; standard remote control .....\$170

## SHARP

### VC-H988U VHS Hi-Fi VCR

2 play/record speeds; 4 video heads; PLL tuner; 8 events/1 year programming; 181 channels. 19-micron video heads; 360X speed rewind; proprietary video enhancement circuitry; MTS stereo; auto head cleaner; auto noise reduction. Front-panel A/V input. VCR Plus+ with cable-box channel control; alphanumeric display; auto daylight saving time; auto play; auto tracking control; zero return; light-up remote pager; auto clock set; digital program search; skip search; instant replay; trilingual on-screen programming; auto play; child lock; universal remote control. Includes batteries for remote. Horizontal resolution 220 lines; FR 20 Hz-20 kHz; W&F 0.005% wrms; dynamic range 90 dB. 14 3/8 x 3 3/8 x 10 1/4 in; 6 lb .....\$250  
**VC-H986U.** As above without light-up remote \$240  
**VC-H985U.** As VC-H986U without front-panel A/V input. 14 1/4 x 3 3/8 x 10 1/4 in; 6 lb .....\$230  
**VC-H984U.** As VC-H985U without VCR Plus+, with front-panel A/V input .....\$220  
**VC-H982U.** As VC-H985U without high-speed rewind, VCR Plus+, remote pager, or automatic clock set .....\$210

## SONY

*The following VCRs all have 4 video heads, 181-channel tuners, 8-event/1-month programming, 3 play and 2 record speeds, double-azimuth heads, digital auto tracking, an MTS decoder, and Adaptive Picture control.*

### SLV-R1000 S-VHS Hi-Fi VCR

Auto head cleaner; high-speed rapid-access tape transport. 1 front-panel A/V input; front-panel camcorder inputs. Dual-mode shuttle control; independent A/V insert editing; edit switch; VCR Plus+; auto clock set; skip search; on-screen help; linear counter; electronic tab marker indexing system; synchro edit; RMT-V129 wireless Unicommander remote control; express tuning; command mode VTR 1/2/3 selector; freeze frame with frame advance; variable-speed play, forward, and reverse. Includes Sony Cable Mouse. FR 20 Hz-20 kHz; W&F 0.005% wrms; dynamic range 90 dB. 17 x 4 3/8 x 15 in; 10 lb .....\$1,200

### SLV-AV100 VHS Hi-Fi VCR/Receiver

Built-in 320-W A/V receiver with Dolby Pro Logic, discrete output transistors, 8-function input selector, digital signal processing with 7 preset acoustic environments, 30 AM/FM presets, and muting switch. Comb filter; high-speed rapid-access tape transport; auto head cleaner. A/V inputs and outputs. VCR Plus+; VTR 1/2/3 selector; search/index; jog/shuttle control on remote; auto clock set; S-Link control; child lock; multilingual on-screen help; one-touch recording; linear counter; commercial skip; tape remaining display; multibrand remote with shuttle control. Includes Sony Cable Mouse. FR 20 Hz-20 kHz; W&F 0.005% wrms; dynamic range 90 dB. 17 x 6 1/4 x 16 1/4 in; 29 lb .....\$499

### SLV-M10HF VHS Hi-Fi VCR

Comb filter; auto head cleaner. Front- and rear-panel A/V inputs. VCR Plus+ Gold; sharpness con-

trol; multilingual on-screen display/help; one-touch recording; 1-hr timer backup; linear counter; auto preset tuner; child lock; auto clock set; Sony S-Link; index search; multibrand remote with Sony receiver volume control. FR 20 Hz-20 kHz; W&F 0.005% wrms; dynamic range 90 dB. 17 x 4 3/8 x 11 1/4 in; 10 lb .....\$449  
**SLV-M20HF.** As above with proprietary electronic program guide .....\$499

### SLV-998 VHS Hi-Fi VCR

Comb filter; auto head cleaner; flying erase heads. Front- and rear-panel A/V inputs. VCR Plus+ Gold; sharpness control; multilingual on-screen display/help; one-touch recording; 1-hr timer backup; linear counter; auto preset tuner; child lock; auto clock set; Sony S-Link; index search; A/V insert editing; VTR 1/2/3 selector; multibrand remote control with joystick control, shuttle controls, fluorescent buttons, Sony receiver volume control, and cable-box control. FR 20 Hz-20 kHz; W&F 0.005% wrms; dynamic range 90 dB. 17 x 4 3/8 x 11 1/4 in; 10 lb .....\$399

### SLV-798 VHS Hi-Fi VCR

Comb filter; auto head cleaner. Front- and rear-panel A/V inputs. VCR Plus+ Gold; sharpness control; multilingual on-screen display/help; one-touch recording; 1-hr timer backup; linear counter; auto preset tuner; child lock; auto clock set; Sony S-Link; index search; multibrand remote control with joystick control, fluorescent buttons, Sony receiver volume control, and cable-box control. FR 20 Hz-20 kHz; W&F 0.005% wrms; dynamic range 90 dB. 17 x 4 3/8 x 11 1/4 in; 10 lb .....\$349

### SLV-788HF VHS Hi-Fi VCR

Comb filter; auto head cleaner. Front- and rear-panel A/V inputs. VCR Plus+; sharpness control; multilingual on-screen display/help; one-touch recording; 1-hr timer backup; linear counter; auto preset tuner; child lock; auto clock set; Sony S-Link; multibrand remote control with joystick control, Sony receiver volume control, and cable-box control. FR 20 Hz-20 kHz; W&F 0.005% wrms; dynamic range 90 dB. 17 x 4 3/8 x 11 1/4 in; 10 lb .....\$329

### SLV-778HF VHS Hi-Fi VCR

Comb filter; auto head cleaner. Front- and rear-panel A/V inputs. VCR Plus+; sharpness control; multilingual on-screen display/help; one-touch recording; 1-hr timer backup; linear counter; auto preset tuner; child lock; shuttle controls on unit; auto clock set; multibrand remote control. FR 20 Hz-20 kHz; W&F 0.005% wrms; dynamic range 90 dB. 17 x 4 3/8 x 11 1/4 in; 10 lb .....\$299

### SLV-688HF VHS Hi-Fi VCR

Comb filter; auto head cleaner. Front- and rear-panel A/V inputs. VCR Plus+; sharpness control; multilingual on-screen display/help; one-touch recording; 1-hr timer backup; linear counter; auto preset tuner; child lock; index search; multibrand remote control. FR 20 Hz-20 kHz; W&F 0.005% wrms; dynamic range 90 dB. 14 x 3 3/8 x 11 1/4 in; 8 lb .....\$279

### SLV-678HF VHS Hi-Fi VCR

Comb filter; auto head cleaner. Sharpness control; multilingual on-screen display/help; one-touch recording; 1-hr timer backup; linear counter; auto preset tuner; child lock; multibrand remote control. FR 20 Hz-20 kHz; W&F 0.005% wrms; dynamic range 90 dB. 14 x 3 3/8 x 11 1/4 in; 8 lb .....\$249

## TOSHIBA

### M784 VHS Hi-Fi VCR

2 play/record speeds; 6 video heads; frequency-synthesis tuner; 6-event/1-year programming; 181 channels. Digital noise reduction; V3 Pro-Drum technology; color-signal enhancement; 19-micron video head; MTS/SAP tuner with dbx noise reduction; auto head cleaner; ion-coated heads; digital tracking; auto speed select. Dual A/V inputs.

VCR Plus+ C<sup>3</sup> cable-box control; XDS with auto clock set; 4-color icon menus; high-speed rewind/fast-forward; quad-mode shuttle dial; full-loading quick-access system; multilingual on-screen displays; one-touch record; center-load system; fluorescent display; universal remote. 17 x 3 3/8 x 12 1/2 in; 10 lb .....\$500  
**M764.** As above without digital noise reduction or color-signal enhancement .....\$350  
**M774.** As M764, no quad-mode shuttle dial .....\$330  
**M754.** As M774, no VCR Plus+; analog-clock timer programming .....\$280

### M684 VHS Hi-Fi VCR

2 play/record speeds; 4 video heads; frequency-synthesis tuner; 6 events/1 year programming; 181 channels. 4-head double-azimuth design; MTS/SAP decoder with dbx NR; digital tracking; auto speed select; auto head cleaner. Dual A/V inputs. VCR Plus+ C<sup>3</sup> cable-box control; DSS control; XDS with auto clock set; icon-based menus; high-speed fast-forward/rewind; full-loading quick-access system; multilingual on-screen displays; auto play; one-touch record; center-load system; fluorescent display; universal remote. 15 x 3 3/8 x 12 1/2 in; 9 lb .....\$250  
**M674.** As above without auto head cleaner, C<sup>3</sup> cable-box control, DSS control, or XDS .....\$230  
**M653.** As M674 without auto speed select, dual A/V inputs, or VCR Plus+; with V3 Pro Drum technology, ion-coated heads, auto head cleaner, and bilingual on-screen programming. 15 1/2 x 3 3/8 x 11 in; 9 lb .....\$220  
**M624.** As M653 without V3 Pro Drum technology, high-speed rewind/fast-forward, bilingual menu system, or icon-based on-screen displays. 14 3/8 x 3 3/8 x 11 in; 9 lb .....\$200

## ZENITH

### VRA424 VHS Hi-Fi VCR

3 play/2 record speeds; 4 video heads; frequency-synthesis tuner; 8 events/1 year programming; 181 channels. Auto head cleaner; auto digital picture tracking; HQ circuitry; auto tape-speed adjustment; MTS/SAP decoder. Front- and rear-panel composite-video inputs; front- and rear-panel audio inputs; composite video output. VCR Plus+ C<sup>3</sup> cable-box control; one-touch recording; trilingual on-screen display; slow motion; index search; voice-prompted menu system; commercial skip; real-time counter; auto channel search; auto clock set; front-panel display; LED clock display; lighted-icon front-action buttons; jog/shuttle on remote; multibrand remote control. Horizontal resolution 230 lines; FR 22 Hz-30 kHz; S/N 88 dB; dynamic range 79 dB; ch sep 67 dB. 14 1/2 x 3 3/8 x 11 1/4 in; 8 lb .....\$249  
**VRA423.** As above without auto clock set, front-panel display, C<sup>3</sup> cable-box control, or jog/shuttle on remote .....\$239  
**VRA422.** As VRA423 without VCR Plus+ or front-panel inputs and outputs .....\$219  
**VRA421.** As VRA422 without auto clock set, LED clock display, lighted-icon front-action buttons, or multibrand remote control .....\$209

**All of the information in these listings is provided by the manufacturers. See the Directory starting on page 233 for mailing addresses, phone numbers, and Web addresses.**

# "Clearly One Of The Best"

-Stereo Review



MovieWorks® 5.1 is a no-compromise surround sound speaker combination that is ideal for both music and home theater systems. Designed by Audio Hall of Fame member and Emmy Award Winner Henry Kloss (founder of AR, KLH & Advent), it includes high-performance main speakers, a wide-range center speaker, MultiPole™ surround speakers (switchable from dipole to bipole operation) and our awesome Powered Subwoofer.

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# Tuners

*Tired of mediocre FM receiver performance?  
Consider a separate tuner.*

While receivers dominate the market, separate tuners are preferred by radio listeners who want the best FM performance. Many receiver manufacturers pay little attention to the tuner section of their receivers and, in general, receiver tuners today don't work as well as those of, say, 20 years ago.

As you read the product listings you'll come across some specifications you may not be familiar with. See the Glossary on page 243 for definitions, but here's what's important:

- **50-dB quieting sensitivity.** If you want quiet, clean stereo even during soft music passages, look for the lowest numbers here.
- **AM rejection and capture ratio.** These are important specifications for urban areas affected by "multipath" distortion, where multiple "ghosts" of a signal reflected by buildings, etc. are received at slightly different times. The higher a tuner's AM-rejection spec, the better it can ignore changes in signal strength caused by multipath. A good capture ratio — a measure of a tuner's ability to "lock" onto, or capture, a signal in the presence of another, weaker signal on the same frequency — is also effective in combating multipath because the weaker components of a multipath signal can be considered co-channel interference. The lower the capture ratio, the better.

- **Adjacent-channel and alternate-channel selectivity.** These specs are also important in urban areas with crowded FM bands. If you're often bothered by interference from signals 200 or 400 kHz away from the desired signal, look for the highest numbers.

Of course, a tuner is more than just its specifications. Other features can make a tuner easier or more enjoyable to use despite the numbers. For example, a large number of station presets or a remote control are things that some listeners just can't



**ONKYO INTEGRA T-9090II**

live without. Still other features can make a tuner perform better. For example, a bandwidth control can reduce adjacent- or alternate-channel interference and make stereo reception quieter at the expense of frequency response, while stereo blend or a stereo/mono switch can make reception quieter at the expense of stereo channel separation.

— Brian Fenton

## Tuners

### ACCPHASE

#### T-109 FM Tuner

32 FM presets. Quartz-locked frequency-synthesis design; 8-bit microprocessor; double-tuned front end. XLR outputs; fixed and variable-level RCA outputs. Nonvolatile memory; switchable MPX filter; switchable selectivity; mono/stereo switch; output-level control; muting switch; signal-strength meter; remote control. FM: 50-dB quieting sens 37 dBf stereo; S/N 85 dBA at 80 dBf; THD 0.04% at 1 kHz stereo; ch sep 50 dB at 1 kHz stereo. 18% x 5 1/2 x 16 in; 21 lb .....\$2,995

### AMC

#### T-7 AM/FM Tuner

30 AM/FM presets. Remote-control tuning, presets, and band; center-tune indicator; mono switch. FM: AM Rej 60 dB; cap ratio 1.50 dB; alt-ch sel 65 dB; S/N 74 dB; THD 0.08% at 1 kHz, 0.3% at 100 Hz-6 kHz; ch sep 50 dB. AM: S/N 45 dB; THD 0.5%. Black. 17 x 3 1/2 x 13 in; 11 lb .....\$400

### APS

#### T-1 AM/FM Tuner

40 AM/FM presets. Absolute Linear Phase IF amplifier (Alpha) circuitry; PLL digital tuning. Auto scan; 3-way multistatus memory; stereo/mono

switch; stereo blend control. FM: 50-dB quieting sens 38 dBf; AM Rej 58 dB; cap ratio 1.5 dB; adj-ch sel 40 dB; alt-ch sel 85 dB; S/N 75 dB; THD 0.1%; ch sep 55 dB at 1 kHz. AM: S/N 50 dB. 17% x 3 x 11 in; 8 lb .....\$595

#### T-2 AM/FM Tuner

20 AM/FM presets. PLL digital tuning. RCA line-level outputs. Auto scan; stereo/mono switch; stereo blend control; fluorescent display; signal-lock indicator. FM: 50-dB quieting sens 37 dBf; AM Rej 45 dB; cap ratio 1.5 dB; adj-ch sel 20 dB; alt-ch sel 80 dB; S/N 75 dB; THD 0.15%; ch sep 50 dB. AM: S/N 40 dB. Black. 14 1/4 x 3 1/2 x 9 1/4 in; 6 lb .....\$295

### ARCAM

#### Alpha 8 AM/FM Tuner

24 AM/FM presets. 2 outputs. Remote control. FM: cap ratio 1.5 dB; alt-ch sel 60 dB; S/N 68 dB. AM: S/N 45 dB. Black. 17 x 3 3/4 x 11 1/2 in .....\$549  
Alpha 7. As above without remote control. Upgradable to Alpha 8 .....\$449

### AUDIOLAB

#### Model 8000T AM/FM Tuner

39 AM/FM presets. Discrete front end; double conversion FM IF; 9th-order elliptic IC birdie filter; ro-

tary optical digital encoder; microprocessor control; auto 20/60 dB audio muting. Tuning in 25-kHz steps; AM and FM wide/narrow bandwidth selection; signal-strength meter; independent mono and mute switches; LCD .....\$1,195

### CLASÉ

#### Tuner 1 FM Tuner

80 FM presets. RCA and XLR outputs. Full-function remote control; direct-access tuning; preset scan. FM: S/N 70 dB; THD 0.1%; ch sep 40 dB at 1 kHz. Satin black or silver faceplates. 5-yr warranty. 19 x 3 x 10 in; 12 lb .....\$1,295

### CREEK

#### T43 AM/FM Tuner

29 AM/FM presets. Dual-conversion tuner. Rotary tuning knob; full-function remote control. FM: 50-dB quieting sens 29 dBf; cap ratio 1.50 dB; alt-ch sel 77 dB; S/N 69.2 dB; THD 0.2%; ch sep 37 dB at 1 kHz. AM: THD 0.9%. 16 1/2 x 2 1/2 x 8 in .....\$695

### DENON

#### TU-1500RD AM/FM Tuner

40 AM/FM presets. 4-gang tuning design. RDS reception with radio text display; alphanumeric pre-

# Tuners

set naming; rotary tuning knob; infrared remote sensor. FM: 50-dB quieting sens 37.5 dBf stereo; cap ratio 1.5 dB; S/N 82 dB mono, 78 dB stereo; THD 0.8% mono, 0.12% stereo; ch sep 50 dB at 1 kHz. Black. 17 1/4 x 3 x 9 1/2 in; 8 lb .....\$375

## TU-280 AM/FM Tuner

30 AM/FM presets. Quartz-locked digital frequency-synthesis design; MOSFET RF stages. IS-system remote-control compatibility. FM: S/N 79 dB mono, 74 dB stereo; THD 0.1% mono, 0.2% stereo; ch sep 40 dB at 1 kHz. Black. 17 1/4 x 3 x 9 1/2 in; 6 lb ...\$275

## FANFARE

### FTA-1 AM/FM Tuner

8 AM/FM presets. Modular circuit construction. 75-ohm antenna input; XLR output; RCA output. Station lock; scan function for stereo programming; replaceable faceplate; full-function remote control. FM: AM Rej 80 dB; cap ratio 1.2 dB; adj-ch sel 30 dB; alt-ch sel 90 dB; S/N 80 dB; THD 0.25; ch sep 40 dB at 1 kHz. AM: S/N 60 dB; THD 0.5%. Black, silver, or gray faceplate. 3-yr warranty. 19 x 3 1/4 x 10 in; 15 lb .....\$1,395

## JOLIDA

### JD 401A/TU 9608B Tube AM/FM Tuner

20 AM/FM presets. 2 12AX7 vacuum tubes in output stage; PLL circuitry; frequency-synthesis design; noise-reduction circuitry. Auto scan; power-off memory function; LED display. FM: 50-dB quieting sens 30 dB; AM Rej 30 dB; cap ratio 3.0 dB; THD 0.5%. AM: S/N 46 dB; THD 0.5%. Black. 17 x 3 x 11 1/2 in; 9 lb .....\$350

## LINN

### Kremlin FM Tuner

80 FM presets. Screened circuitry; two parallel high-level mixers; 13-stage IF filter; PLL demodulator; oscillator with shorted-transmission-line coaxial resonator; switching-mode power supply. 2 F-connector RF Inputs; 2 line-level outputs; remote control jack. Adjustable mute/scan threshold with memory; auto/manual scan; signal-strength meter; software upgradable .....\$4,400

## LUXMAN

### T-353L AM/FM Tuner

30 AM/FM presets. Digital PLL frequency-synthesis design; optimum-frequency location via computer analysis; line-phase sensor; Star circuitry. System bus connection. Selectable strongest-station preset storage; muting-level switch; auto seek and scan; mono/stereo switch; turn-on and sleep timers; fluorescent display. FM: AM Rej 62 dB; cap ratio 1.5 dB; S/N 73 dB at 65 dBf stereo; ch sep 50 dB at 1 kHz. AM: S/N 54 dB. Black or champagne finish .....\$449

## MAGNUM DYNALAB

### MD-108 Tube FM Tuner

Two N-channel dual-gate MOSFET; discrete analog mechanism; 5-stage analog tunable front end amplification. 2 analog Inputs; 1 digital Input; 2 antenna Inputs; RCA outputs; XLR outputs. 3 bandwidth settings; double balanced mixer; multipath meter; signal-strength meter; quad matrix tube for center-tune indicator; analog tuning. FM: 50-dB quieting sens 20 dBf; AM Rej 70 dB; cap ratio 1.50 dB; adj-ch sel 48 dB; alt-ch sel 80 dB; S/N 80 dB; THD 0.1%; ch sep 50 dB at 1 kHz. Anodized black, gold, or silver finish. 19 x 5 x 16 in; 40 lb .....\$5,500

Prices given are "list."

Dealer prices may vary.



If someone special on your holiday shopping list loves music as much as you do, give them the Bose® Wave® radio. Its patented acoustic waveguide speaker technology delivers sound far superior to any conventional radio. It even comes with a

handy remote control. And it's available directly from Bose, the most respected name in audio.

Give this radio to someone close to you. (That way, you can enjoy it too.)

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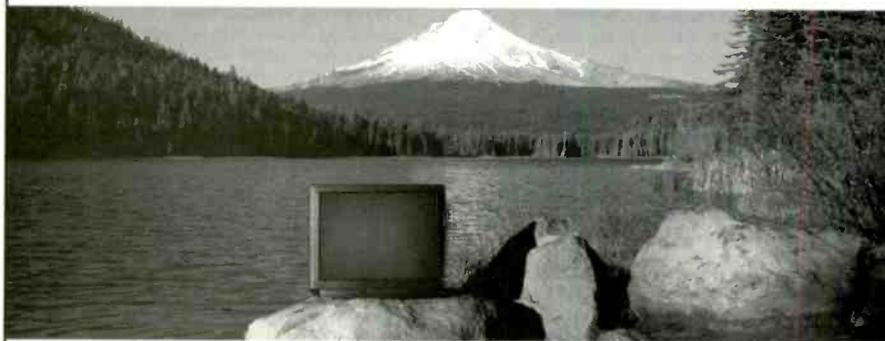
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# Tuners

## Etude FM Tuner

Discrete analog technology; 4-stage analog tunable front-end amplification; N-channel dual-stage MOSFET. RCA outputs. Multipath meter; signal-strength meter; center-tune indicator; wide/narrow IF bandwidth control; stereo blend control; analog tuning. XLR outputs optional. FM: 50-dB quieting sens 34 dBf; AM Rej 70 dB; cap ratio 1.50 dB; adj-ch sel 30 dB; alt-ch sel 80 dB; S/N 80 dB; THD 0.18%; ch sep 50 dB at 1 kHz. Anodized black, silver, or gold finish. 19 x 3½ x 13 in. . . . . \$1,350

## FT-101A FM Tuner

Discrete analog technology; 4-stage analog tunable front-end amplification. Gold-plated RCA outputs; gold-plated FM antenna connector. Multipath meter; center-tune indicator; signal-strength meter; analog tuning; stereo blend control; stereo/mono switch; wide/narrow IF bandwidth control. FM: 50-dB quieting sens 34 dBf; AM Rej 70 dB; cap ratio 1.50 dB; adj-ch sel 25 dB; alt-ch sel 80 dB; S/N 75 dB; THD 0.18%; ch sep 60 dB. Anodized black, silver, or gold finish. 19 x 3½ x 13 in; 12 lb . . . . . \$925

## FT-11 FM Tuner

3 FM presets. Full-blend circuit; 4-stage analog tunable front-end amplification. Gold-plated RCA outputs; gold-plated FM antenna connector. Turn analog tuning system; pushbutton selector. FM: 50-dB quieting sens 35.3 dBf; AM Rej 70 dB; cap ratio 1.50 dB; adj-ch sel 14 dB; alt-ch sel 60 dB; S/N 75 dB; THD 0.3%; ch sep 50 dB at 1 kHz. Anodized black. 17 x 2½ x 7 in; 10 lb . . . . . \$575

## MARANTZ

### ST-17 AM/FM Tuner

60 AM/FM presets. Dual antenna input; analog output. Alphanumeric naming of station. FM: 50-dB quieting sens 25 dBf; adj-ch sel 65 dB; alt-ch sel 65 dB; S/N 73 dB; THD 0.08%; ch sep 55 dB. AM: S/N 52 dB; THD 0.2%. Black. 3-yr warranty. 18 x 3¾ x 12½ in; 15 lb . . . . . \$599

### ST-46 AM/FM Tuner

30 AM/FM presets. System remote control jacks. Scan tuning; fluorescent display; alphanumeric labeling of station presets; remote control. FM: cap ratio 1 dB; alt-ch sel 65 dB; S/N 80 dB mono, 73 dB stereo; THD 0.2% stereo; ch sep 45 dB. 3-yr warranty. 16¾ x 3¾ x 11½ in; 7 lb . . . . . \$250

## McINTOSH

### MR7084 AM/FM Tuner

50 AM/FM presets. Spatial circuit to modify frequency and phase response. Preset scan; all-preset-clear button; remote control through current McIntosh remote-controlled products. FM: adj-ch sel 70 dB; THD 0.08% . . . . . \$1,500

## MYRYAD

### MT-100 FM Tuner

3-stage linear-phase IF strip; low-distortion dual discrimination; low-noise power supplies. Remote control of all functions using Myryad system remote. FM: S/N 74 dB; THD 0.2%; ch sep 45 dB. Black and Silver. 17 x 4 x 12 in; 13 lb . . . . . \$999

## NAD

### S400 FM Tuner

30 FM presets. Individual MOSFET RF stages for each antenna input; tunes in 25 kHz increments for precise station lock. 2 selectable antenna inputs; RCA output. Alphanumeric preset naming; NAD link; FM auto blend; wide/narrow IF switch; remote control. FM: 50-dB quieting sens 36 dBf; cap ratio 1.5 dB; S/N 70 dB; THD 0.2%. Aluminum chassis with smooth sandblast. 17¾ x 2¾ x 11¼ in; 10 lb . . . . . \$999

### C440 AM/FM Tuner

30 AM/FM presets. MOSFET RF stages; tunes in 25

kHz increments for precise station lock. RCA output. 8-character alphanumeric display; scan tuning; preset scan; FM blend; FM interstation muting; NAD link. FM: 50-dB quieting sens 36 dBf; cap ratio 2.5 dB; S/N 70 dB; THD 0.15%; ch sep 45 dB. AM: S/N 40 dB; THD 0.7%. Classic NAD gray. 17¼ x 3¾ x 11½ in; 8 lb . . . . . \$299

## NAIM

### NAT-01 FM Tuner

Progressive stereo-to-mono blend; separate power supply. Automatic bandwidth selection; digital frequency display increases in brightness to indicate signal strength. 11¾ x 3 x 8 in . . . . . \$3,700

**NAT-02.** As above, integral power supply . . . \$2,350

### NAT-03 FM Tuner

Toroidal transformer; slim-line design . . . . \$1,250

## ONIX

### TU39 FM Tuner

Alt-ch sel 30 dB (wide), 100 dB (narrow); AM suppression 70 dB. 17 x 3 x 13 in . . . . . \$1,895

**T/SOAP.** Power supply for TU39 . . . . . \$145

**T/Lead.** Lead from power supply to tuner . . . \$45

## ONKYO

### Integra T-9090II FM Tuner

20 FM presets. Two antenna inputs. Auto/manual reception-optimization system to select A/B antenna and local/DX; wide/narrow/super-narrow IF bandwidth, high-blend and mono/stereo; preset scan; strongest-station memory; timer; FM fine tuning; adjustable output level; digital display and signal-strength meter; remote control. FM: cap ratio 1.0 dB; alt-ch sel 95 dB narrow; S/N 95 dB mono; THD 0.009%; ch sep 55 dB wide. Wood slide panels. 18¼ x 4¾ x 15¼ in; 19 lb . . . . . \$789

### Integra T-4711 AM/FM Tuner

40 AM/FM presets. Radio Data System (RDS); rotary tuning. 4-group memory; 25-kHz step tuning; 10-segment signal-strength meter; 4-mode timer function; AccuClock. Gold cabinet . . . . . \$599

As above, black cabinet . . . . . \$549

### T-4310R AM/FM/RDS Tuner

30 AM/FM presets. RDS reception; auto reception-optimization system. RDS program search and alphanumeric text display; battery-free memory backup; 6 preset groups; direct station access; auto-scan tuning. FM: 50-dB quieting sens 36.1 dBf; cap ratio 1.5 dB; S/N 66 dB; THD 0.2%. Black. 18 x 3¾ x 12½ in; 8 lb . . . . . \$280

### T-4210 AM/FM Tuner

40 AM/FM presets. Auto reception-optimization system; MOSFET front end. Battery-free memory backup; 6 preset groups; direct station access; auto-scan tuning; Onkyo RI-system control compatibility. FM: cap ratio 1.5 dB; alt-ch sel 50 dB; S/N 73 dB mono; THD 0.1%; ch sep 40 dB. AM: S/N 18 dB. 18 x 3 x 12½ in; 8 lb . . . . . \$200

## PARASOUND

### T/DQ-1600 AM/FM Tuner

20 AM/FM presets. Quartz-locked digital frequency-synthesis design. External-remote-control connector; gold-plated RCA jacks. Remote control. FM: 50-dB quieting sens 37.2 dBf; adj-ch sel 80 dB; ch sep 50 dB . . . . . \$385

## PERREAU

### TU6 Classic AM/FM Tuner

20 AM/FM presets. Dual gate MOSFET front end; precise digital tuning; 4 separately regulated power supplies. Standby; auto tune; band select; rear mounted on/off switch; infrared remote control. FM: S/N 70 dB; THD 0.3%; ch sep 40 dB. Chrome finish. 19 x 3¾ x 18 in . . . . . \$1,695

**TU6 Professional.** As above, black . . . . . \$1,295

## PIONEER

### Elite F-93 AM/FM Tuner

Super-narrow FM IF-bandwidth setting. FM: 50-dB quieting sens 36.2 dBf stereo; AM Rej 80 dB; cap ratio 1 dB; alt-ch sel 85 dB super narrow; S/N 88 dB stereo at 80 dBf; ch sep 60 dB at 1 kHz. AM: S/N 50 dB. 18 x 4¾ x 13¼ in . . . . . \$900

## REVOX

### E-460/Exception FM Tuner

50 AM/FM presets. 75-ohm antenna input. RDS reception with scrolling radio text display. FM: 50-dB quieting sens 32 dBf; AM Rej 72 dB; cap ratio 0.5 dB; adj-ch sel 50 dB; alt-ch sel 50 dB; S/N 80 dB; THD 0.07%; ch sep 43 dB at 1 kHz. Silver or black finish. 19 x 5 x 16 in; 21 lb . . . . . \$3,500

### S26 Elegance FM Tuner

35 FM presets. RDS reception; signal-strength indication. 75-ohm antenna/cable input. Cable/antenna selector; manual/auto scan tuning; remote control. FM: 50-dB quieting sens 36.8 dBf; AM Rej 70 dB; cap ratio 1.50 dB; adj-ch sel 75 dB; alt-ch sel 75 dB; S/N 70 dB; THD 0.7%. Black or silver-brushed aluminum. 17 x 3 x 11 in; 9 lb . . . . . \$995

**S28.** Remote control for above. . . . . \$75

## ROTEL

### RT-940AX AM/FM Tuner

20 AM/FM presets. Mute/mono switch; bar-graph signal-strength display; remote control. FM: 50-dB quieting sens 34.5 dBf; cap ratio 1.5 dB; alt-ch sel 63 dB; S/N 70 dB. 17¾ x 2¾ x 11¼ in . . . \$350

**RT-935AX.** As above, no remote control . . . \$270

## SONY

### ST-SA5ES AM/FM Tuner

40 AM/FM presets. Frequency-synthesis design; optically sensed rotary tuning; antenna attenuator to prevent distortion. 2 antenna inputs; coaxial FM input. High-blend switch; preset scan; auto scan tuning; alphanumeric preset naming; remote-control-lable by some Sony components. A/B antenna selection; 10-segment signal-strength meter. FM: S/N 100 dB mono, 92 dB stereo; ch sep 70 dB at 1 kHz. 5 yr warranty. 17 x 4 x 14¼ in; 13 lb . . . . . \$800

### ST-SE200 AM/FM Tuner

30 AM/FM presets. Frequency-synthesis design. Control S input for Sony multiroom systems. Alphanumeric preset naming; 10-segment signal-strength meter. FM: S/N 80 dB mono, 75 dB stereo. 17 x 3¾ x 11¼ in; 5 lb . . . . . \$200

## TANDBERG

### TPT 4031 FM Tuner

16 FM presets. Class A audio circuits. FM: cap ratio 1.0 dB; alt-ch sel 100 dB. 17¼ x 3¾ x 13¼ in; 11 lb . . . . . \$1,599

## THORENS

### TRT 2000 AM/FM Tuner

59 AM/FM presets. Switchable input sensitivity. FM: S/N 74; THD 0.38%; ch sep 60 dB. 8¼ x 3¾ x 13¾ in; 9 lb . . . . . \$1,300

## YAMAHA

### TX-950 AM/FM Tuner

40 AM/FM presets. Computer Servo Lock tuning; digital fine tuning. 6-way multistation station memory; high-blend switch. FM: 50-dB quieting sens 15.1 dBf; alt-ch sel 85 dB; S/N 96 dB. AM: S/N 50 dB. 17¾ x 3 x 12½ in; 8 lb . . . . . \$429

### TX-492 AM/FM Tuner

40 AM/FM presets. IF count synthesizer; rotary encoder tuning; high-gain AM loop antenna. Auto station memory; preset editing; 3-way multistation memory; 20-segment signal-quality meter. 17¾ x 6¾ x 13¾ in; 9 lb . . . . . \$199

# Receivers

*These multifunction components are the cornerstones of most stereo and home-theater systems.*

The American love affair with “do-everything” receivers is alive and well. And why not? Receivers can do everything that a stack of “separates” does, while leaving enough cash in the piggy bank to buy speakers, source components, and even some CDs. Whether it’s a straight stereo receiver or, far more typically, an audio/video (A/V) model, a receiver packs a lot of bang for the buck.

Purists blanch at the thought of combining a tuner, preamplifier, and power amplifier in one package, and the very idea of audio and video circuitry in the same box gives them the heebie-jeebies. But when all is said and done, receivers usually work very well. Yes, separate components *can* outperform a receiver, but there’s no guarantee. A topflight receiver will usually beat the pants off of a pedestrian stack of separates, and it can be far easier to use as well.

What should you look for when choosing a receiver? Well, your first decision is whether to buy an “old-fashioned” stereo receiver or an A/V model — one that switches video signals, does surround-sound decoding, and provides usually five channels of amplification to drive multiple speakers. If plain stereo is your preference, you’ll find that A/V receivers are so popular today, there are relatively few two-channel receivers to choose from. And, unfortunately, these are likely to be stripped-down models with relatively modest power capability and less-than-stellar specifications. That doesn’t necessarily make a stereo receiver a poor choice, however. There’s no point in paying for surround-sound decoding, multiple power amplifiers, and video-switching circuits if you’ll never use them. And not every music system has to boast the best ratings money can buy, either.

Combine a stereo receiver with a decent pair of efficient speakers and a good CD player, and you’ll have a satisfying system for music playback in either your main listening room or a secondary room. But a good A/V receiver and a multichannel speaker system can be even more satisfying for music while enabling you to enjoy movies and video programs in surround sound as well.

## Ins and Outs

The question uppermost in the minds of most receiver shoppers is, how much power do I need? We’ll get to that, but let’s start with some things that are often more critical. First, the inputs: How many do you need, and what type should they be? Of course, only you can tell how many inputs you need, but give serious consideration not only to your present needs but to your future needs as well. And that advice applies equally to the type of inputs, both video and audio.

The better A/V receivers offer both S-video and standard composite-video jacks for every video input, but many limit the number of S-video inputs, and some have none at all, so be certain there are enough to meet your needs. If the receiver has even one S-video input, it will have a corresponding S-video output to feed the TV set or monitor; all A/V receivers have a composite-video output. Both types of output must be connected to the monitor if you intend to use both S-video and standard program sources. If you have an S-VHS or Hi8 VCR, check if the receiver has an S-video record loop.



**TECHNICS SA-AX720 DOLBY PRO LOGIC RECEIVER**

If you still listen to vinyl records, make sure the receiver has a phono preamp — not all do these days! But most people today will be more concerned with the number and type of digital audio inputs.

## The Digital Connection

Most A/V receivers now do surround-sound decoding and other signal processing in the digital domain, but they’ll have digital In-

puts only if they can decode digital source material such as the PCM or DTS bitstreams from CDs and the Dolby Digital bitstreams from DVD players, digital TV set-top boxes, and even some DSS receivers.

There are two main ways to convey digital data from one component to another, coaxial or fiber-optic cable. Both work equally well, but they're not interchangeable, and not all gear has both kinds. If your receiver has only coaxial digital inputs and all of your digital program sources have only optical outputs, you're out of luck unless you spend extra money for an outboard optical-to-coaxial converter. (Most digital audio optical connectors use plastic fibers and follow the Toslink standard, but some high-end gear uses glass fibers and follows the AT&T ST standard. Toslink and ST connectors are not interchangeable.)



**DENON AVR-2700 DOLBY DIGITAL RECEIVER**

If you're seriously interested in home theater, you'll want a 5.1-channel Dolby Digital (AC-3) decoder in your receiver. Dolby Digital affords far better sound than the matrixed Dolby Pro Logic system, which is the bare minimum you should accept today. At present, Dolby Digital encoding is used in DVDs and some laserdiscs, and it is the standard for the new digital TV system. To extract Dolby Digital sound from laserdiscs, you'll need a suitable player. Most of these output a radio-frequency (RF) Dolby Digital signal, which requires demodulation before decoding. Sometimes a demodulator is built into the player, and some receivers have built-in demodulators. You can also purchase an RF demodulator separately and feed the signal it generates to your receiver for decoding.

### **Usability and Power**

There are numerous other questions to ask when selecting a receiver. How good are the on-screen menus? Can you figure out the menus and controls without constantly referring to the manu-

al? For that matter, can you understand the manual? Is the remote control easy to use? Is it illuminated so that you can find the controls you want in a darkened room? Are the labels on the front panel legible? If there are tone controls, can they be bypassed ("Tone Defeat")? What are the recording facilities for both audio and video? Are there line-level preamp outputs so that you can add an external power amplifier or two if needed? Are there preamp outputs for all five main Dolby Digital channels or only for the front three? Or even just the front left and right? Are there enough tuner presets for your needs?

Some A/V receivers deliver more power to the front channels than to the surrounds. These may have not only preamp outputs but also power-amp inputs so that you can redirect signals from the surround channels to the front amplifiers if you upgrade to a more powerful external amp for the front channels. But if you buy a receiver with adequate and well-balanced power, you won't need to resort to such makeshifts.

That brings us back to the question of how much power you need. My stock answer is, as much as you can afford. I'm not trying to dodge the issue, but there's no single power rating that's best for anyone or everyone. While 50 watts per channel should provide a decent listening level for most music, and you can even get by with

less if you use efficient speakers, even 250 watts per channel can't guarantee that you'll never drive the amplifier beyond its capabilities with loud rock, movie soundtracks, or blockbuster classical scores.

A lot of this has to do with the nature of human hearing. It takes a tenfold increase in power just to double perceived loudness. So if a 50-watt-per-channel receiver doesn't cut the mustard and you want to play your system "twice as loud," you're talking 500 watts per channel! That's why less than 50 watts can sound pretty good and 250 watts may not be enough. Besides, it's usually cheaper to buy more efficient speakers than to buy extra amplifier power.

By "well-balanced power" I mean equal power to all five channels if you play Dolby Digital programs. In Dolby Pro Logic, you can get by with less power to the surround speakers than in front because unlike Dolby Digital, the surround channels are not full-bandwidth channels. but the front trio should have equal power. Happy hunting!

— Edward J. Foster

# TECHNOLOGY FOR LIVING



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**Quality Sound. Quality Time. That's What It's All About.  
Kenwood. We'll Change The Way You See Music.**

**transport yourself**  
k e n w o o d u s a . c o m

**KENWOOD**

The Kenwood VR-2080 Audio-Video Receiver with the infinitely upgradeable PowerPad remote intuitively controls and configures all of your entertainment units into one uniquely balanced system. VR-2080: Stereo Power (RMS): 100 W x 2 • Surround Power (RMS): 100 W x 5 • NTSC® Digital Surround • Dolby® Digital • Dolby® Pro Logic • Dolby® Pro Logic II • Dolby® Digital • PowerPad IR Commander Remote • Audio DSP Listening Modes • Full Digital Bass Management PowerPad • Large LCD Display with Icon-Driven Control Screens • Operates Most Popular Audio and Video Brands • FutureSet Upgrade Capability (via TelePort) • Easy-Access Volume and Mute Controls • Macro Play, 4 Preset/3 Programmable • Remote Command Feedback

# Receivers

## AIWA

### AV-DV500 350-W A/V Receiver

5 channels. Dolby Pro Logic, Hall, Dance Club, Live, and Arena modes. 70 W x 5 (front, center, surround). 3 rear-panel A/V inputs; 1 front-panel A/V input; 6-channel input; 2 rear A/V outputs; rear subwoofer output. Dolby Digital ready; digital signal processor. Graphic EQ; bass boost. Aluminum front panel. 14 1/2 x 6 x 13 in; 21 lb .....\$600

### AV-DV70 480-W Dolby Digital Receiver

5 channels. Dolby Digital and Dolby Pro Logic modes. 120 W x 3 (front, center) + 60 x 2 (surround). Front-panel A/V input; coaxial and optical digital inputs; subwoofer output. Digital signal processor; BBE audio enhancement (4-position). Graphic EQ; on-screen display; bass boost; multi-brand remote control. Black. 17 x 6 x 13 1/2 in; 25 lb .....\$600

### AV-D50 480-W A/V Receiver

5 channels. Dolby Pro Logic. 120 W x 3 (front, center) + 60 x 2 (surround). 6-channel input; front-panel A/V input; 2 rear-panel A/V inputs; 2 rear-panel A/V outputs; monitor output; subwoofer output. Dolby Digital ready; digital signal processor; BBE audio enhancement (4-position). Graphic EQ; on-screen display; bass boost; multi-brand remote control. Black. 17 x 6 x 13 1/2 in; 25 lb .....\$400

### AV-D30 295-W A/V Receiver

5 channels. Dolby Pro Logic. 75 W x 3 (front, center) + 35 x 2 (surround) into 8 ohms. 6-channel input; front-panel A/V input; 2 rear-panel A/V inputs; 2 rear-panel A/V outputs; monitor output; subwoofer output. Dolby Digital ready; digital signal processor. Graphic EQ; bass boost; remote control. Black. 17 x 6 x 13 1/2 in; 22 lb .....\$250

## B&K COMPONENTS

### AVR-101 525-W Dolby Digital Receiver

5 channels. Dolby Digital and Dolby Pro Logic. 105 W x 5 into 8 ohms from 5 Hz-45 kHz with 0.02% THD. 7 line-level inputs; 5 optical and 6 coaxial digital inputs; 5 line-level outputs; system remote control outputs. Motorola 24-bit DSP chip. 20 memory presets with user-programmable names; auto source selection; on-screen display; learning/universal remote control. Amp: S/N 90 dB. FM: 50-dB quieting sens 35 dBf; cap ratio 2.0 dB; altch sel 65 dB; THD 0.25%. 5-yr warranty. 17 x 6 1/4 x 17 in; 55 lb .....\$2,500

AVR-202. As above with DTS .....\$2,800

## CARVER

### HTR-885-1 300-W A/V Receiver

5 channels. Dolby Pro Logic and 5 ambience modes. 80 W x 3 (front) + 30 x 2 (surround) all from 20 Hz-20 kHz with 0.08% THD. 3 audio inputs; 2 A/V inputs; DB-25 input; composite-video output; subwoofer output; switched and unswitched AC outlets. Proprietary circuitry to increase power on demand for selected amp channels; high-current amp design; Surround Field Expansion (SFX) circuitry; digital-synthesis tuner; motor-driven volume control. 16 AM/FM presets; bass, treble, and balance controls; infrared remote control. Amp: S/N 92 dB. FM: 50-dB quieting sens 40.7 dBf stereo; S/N 80 dB mono, 75 dB stereo; THD 0.4% stereo at 1 kHz. 17 x 6 1/4 x 11 1/2 in; 20 lb .....\$600

## DENON

### AVR-5600 700-W THX Dolby Digital Receiver

5 channels. Dolby Pro Logic, Dolby Digital, and THX Home Cinema modes. 140 W x 5 (front, center, surround) into 8 ohms from 20 Hz-20 kHz with 0.05% THD. 4 digital inputs including AC-3 RF input; digital output; 10 inputs and 12 audio outputs; 5 inputs/4 outputs for composite-video; 5 inputs/3 outputs for S-video; line-level output for front, center, surround, and subwoofer. THX-certification for 5.1 Dolby Digital and 4-channel Pro Logic Surround; discrete amplifier-output stage;

text-capable RDS tuner. Personal Memory Plus; icon-based on-screen display; learning remote control .....\$2,800

### AVR-3600 550-W Dolby Digital Receiver

5 channels. Dolby Digital and Dolby Pro Logic modes. 110 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.05% THD. 2 digital inputs; AC-3 RF input; 10 inputs and 5 outputs for audio; 5 inputs and 4 outputs for composite-video; 5 inputs and 3 outputs for S-video; line-level outputs for front, center, surround, and subwoofer. Discrete amplifier-output stage; Dynamic Discrete Surround Circuit (DDSC). Personal Memory Plus; icon-based on screen display; multisource output; learning remote control .....\$1,800

### AVR-3200 425-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic (4 modes), Jazz Club, Rock Arena, Mono Movie, Matrix, Videogame, and 5-Channel Stereo modes. 85 W x 5 (front, center, surround) into 8 ohms from 20 Hz-20 kHz with 0.05% THD. 6-channel input; Coaxial and optical digital input; AC-3 RF input; 7 analog inputs; tuner input; 4 composite-video inputs; 4 S-video inputs; 4 line-level outputs; 3 analog outputs; 3 composite-video outputs; 3 S-video outputs; 2 switched AC outlets. Digital Dynamic Discrete Surround Circuit (DDSC); Cinema EQ; Personal Memory Plus. Icon-based on-screen display; learning/universal remote. Amp: S/N 96 dB. FM: 50-dB quieting sens 38.5 dBf; AM Rej 60 dB; cap ratio 1.5 dB; S/N 80 dB mono, 75 dB stereo; THD 0.3%. 17 1/2 x 6 1/2 x 16 1/2 in; 34 lb .....\$999

### AVR-2700 400-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic, and 9 ambience modes. 80 W x 5 (front, center, surround) rms into 8 ohms from 20 Hz-20kHz with 0.05% THD or 120 x 5 into 6 ohms at 1 kHz with 0.5% THD. 8 audio inputs; 6-channel analog audio input; composite- and S-video inputs; 1 optical and 2 coaxial digital inputs; 5 sets of banana-plug-compatible binding posts; 4 line-level outputs (L, C, R, sub); 3 biwireable front speaker outputs; 2 switched AC outlets. Discrete amplifier-output stage; aluminum-alloy heat sinks; 24-bit D/A converters for all 6 channels; Cinema EQ. On-screen display; learning remote with glow-key buttons; Personal Memory Plus; level memory for each mode. Black. 17 1/2 x 6 1/4 x 16 1/2 in; 26 lb .....\$799

### DRA-775RD 90-W/ch Receiver

2 channels. 90 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.05% THD. Phono input; line-level output/main-in jacks. Short-signal-path chassis design; text-capable RDS tuner. Capability for 2 multi-room zones; system/multiroom remote control. FM: 50-dB quieting sens 38.5 dBf stereo; cap ratio 1.5 dB; adj-ch sel 55 dB; S/N 78 dB stereo; THD 0.015% stereo. 17 1/2 x 6 1/4 x 16 1/2 in; 25 lb ....\$749

### AVR-2400 375-W Dolby Digital Receiver

5 channels. Dolby Pro-Logic (Normal, Phantom, Wide) Concert, Hall, Live, Rock Arena, Jazz Club, Mono Movie, and 5-Channel Stereo modes. 75 W x 5 (front, center, surround) into 8 ohms from 20 Hz-20 kHz with 0.05% THD. 6-channel input; 7 audio inputs; tuner input; 4 composite-video inputs; 4 S-video inputs; 3 analog outputs; 3 composite-video outputs; 3 S-video outputs; 2 switched AC outlets. DDSC; discrete amplifier-output stage; Cinema EQ; Personal Memory Plus. Icon-based on-screen display; learning remote control. Amp: S/N 96 dB. FM: 50-dB quieting sens 38.5 dBf; cap ratio 1.5 dB; S/N 80 dB mono, 75 dB stereo; THD 0.3%. Black. 17 1/2 x 6 1/4 x 16 1/2 in; 29 lb .....\$699

AVR-1400. As above, 65 W x 5. Without S-video, icon-based display, or Cinema EQ. AMP S/N 92 dB; 23 dB. 17 1/2 x 6 1/4 x 16 1/2 in .....\$499

### AVR-1700 350-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic, and 7 ambience modes. 70 W x 5 (front, center, surround) into 8 ohms from 20 Hz-20 kHz with 0.05% THD. 8 audio inputs; 6-channel analog audio input; 4 vid-

eo inputs; 1 optical and 2 coaxial digital inputs; banana-plug compatible binding posts; 3 biwireable front-panel speaker connections; 4 line-level outputs (L,C,R, sub); headphone jack; 2 switched AC outlets. Discrete amplifier-output stage; aluminum-alloy heat sinks; 24-bit D/A converters for all 6 channels. Learning remote with glow-key buttons; Personal Memory Plus. Black. 17 1/2 x 6 1/4 x 16 1/2 in; 22 lb .....\$599

### AVR-1100 275-W A/V Receiver

5 channels. Dolby Pro Logic. 55 W x 5 (front, center, surround) into 8 ohms from 20 Hz-20 kHz with 0.08% THD. 6 audio inputs; 6-channel input; 2 composite- and S-video inputs; 2 sets of biwireable banana-plug compatible binding posts; subwoofer output; headphone jack; 2 switched AC outlets. Dolby Digital ready; discrete amplifier-output stage. Learning remote control; Personal Memory Plus. Black. 17 1/2 x 5 1/4 x 12 1/2 in; 18 lb .....\$399

### AVR-600 180-W A/V Receiver

5 channels. Dolby Pro Logic. 50 W x 3 (front, center, rear) into 8 ohms from 20 Hz-20 kHz with 0.08% THD + 15 x 2 (surround) into 8 ohms at 1 kHz with 0.3% THD. Subwoofer output; binding-post speaker terminals for front speakers. Dynamic Discrete Surround Circuit (DDSC). Personal Memory Plus; 40 AM/FM presets; auto preset memory; color-coded remote control. 17 1/2 x 5 1/2 x 12 1/2 in; 17 lb .....\$299

### DRA-375RD 60-W/ch Receiver

2 channels. 60 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.08% THD. 2 video inputs and outputs; 3-way speaker binding posts; switched AC outlets. Discrete amplifier-output stage; motor-driven volume control; text-capable RDS tuner. A/B speaker switch; adjustable loudness; frequency-synthesis tuning; 40 AM/FM presets; auto preset memory; character input; last-channel-tuned memory; remote control .....\$299

### DRA-275 40-W/ch Receiver

2 channels. 40 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.08% THD. 2 video inputs and outputs; 3-way speaker binding posts; switchable AC outlets. Discrete amplifier-output stage; motor-driven volume control. A/B speaker switch; adjustable loudness; frequency-synthesis tuning; 40 AM/FM presets; last station memory; remote control .....\$249

## DUAL

### CR5950RC 120-W/ch Receiver

2 channels. 120 W x 2 into 8 ohms with 0.02% THD. 2 video inputs and outputs; gold-plated inputs for phono and CD. Class A design; motor-driven volume control; digital quartz-synthesis tuner. 16 AM/FM presets; remote control. Amp: FR 10 Hz-70 kHz .....\$620

### CR9065RC 80-W/ch Receiver

2 channels. 80 W x 2 into 8 ohms with 0.02% THD. 2 video inputs and outputs. Digital quartz-synthesis tuner; motor-driven volume control. Matrix surround; 4-character station naming; 40 AM/FM presets; remote control. Amp: FR 10 Hz-60 kHz .....\$480

## HARMAN KARDON

### AVR-85 425-W Dolby Digital Receiver

5 channels. Dolby Pro Logic, Dolby Digital, Dolby 3 Stereo, Matrix, Movie, Hall, and Stereo modes. 85 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.07% THD. 4 audio inputs; 5 A/V inputs; front-panel A/V input; RF, coaxial, and optical digital inputs; 3 S-video input/outputs; 5 line-level outputs; adjustable subwoofer output; switched AC outlet; multi-room outputs. High-current amp design with low-impedance capability. Learning remote control; multiroom-multisource control; on-screen menu displays; composite- and S-video switching. Amp: S/N 95 dB; ch sep 58 dB at 1 kHz. FM: 50-dB

# Receivers

quieting sens 13.5 dBf; AM Rej 55 dB; cap ratio 2.0 dB; adj-ch sel 5 dB; alt-ch sel 65 dB; S/N 76 dB mono, 68 dB stereo; THD 0.5%. Matte black. 17% x 6 1/4 x 18 in; 33 lb .....\$1,699

## AVR-65 325-W Dolby Digital/DTS Receiver

5 channels. Dolby Digital, DTS, Dolby Pro Logic, Theater, Dolby 3 Stereo, and 2 Hall modes. 65 W x 5 (front, center, surround) or 75 x 2, both into 8 ohms from 20 Hz-20 kHz with 0.08% THD. 10 audio inputs; 4 video inputs; coaxial and optical digital inputs; front-panel A/V input; 5 line-level outputs; subwoofer output; 2 switched AC outlets; speaker binding posts. High-current amp design; discrete amplifier-output stage. On-screen display; multiroom capability; preprogrammed remote with backlit display and macros. Amp: S/N 90 dB; ch sep 60 dB at 1 kHz. FM: 50-dB quieting sens 33 dBf stereo; AM Rej 50 dB; cap ratio 2.0 dB; alt-ch sel 65 dB; S/N 67 dB mono, 65 dB stereo; THD 0.5% stereo. Matte black. 17% x 6 x 15 1/4 in .....\$1,199

## AVR-45 275-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic, Dolby 3 Stereo, Theater, and 2 Hall modes. 55 W x 5 or 60 x 2, both into 8 ohms from 20 Hz-20 kHz with 0.08% THD. 10 audio inputs; 2 video inputs; coaxial and optical input; front-panel A/V input; speaker binding posts; 5 line-level outputs; subwoofer output; 2 switched AC outlets. High-current amp design; discrete amplifier-output stage. Preprogrammed remote with backlit display and macros. Amp: S/N 90 dB; ch sep 60 dB at 1 kHz. FM: 50-dB quieting sens 33 dBf stereo; AM Rej 50 dB; cap ratio 2.0 dB; alt-ch sel 65 dB; S/N 67 dB mono, 65 dB stereo; THD 0.5% stereo. Matte black. 17% x 6 x 15 1/4 in .....\$879

## AVR-35 200-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic, Dolby 3 Stereo, Theater, and 2 Hall modes. 40 W x 5 or 45 x 2, both into 8 ohms from 20 Hz-20 kHz with 0.08% THD. 4 audio inputs; 3 video inputs; front-panel A/V input; coaxial and optical digital inputs; subwoofer output; speaker binding posts. High-current amplifier design with discrete output stage. Preprogrammed remote control. Amp: S/N 90 dB; ch sep 55 dB at 1 kHz. FM: 50-dB quieting sens 35 dBf stereo; AM Rej 50 dB; cap ratio 2.0 dB; alt-ch sel 60 dB; S/N 65 dB mono, 62 dB stereo; THD 0.6% stereo. Matte black. 17% x 6 x 15 1/4 in .....\$699

## AVR-40 215-W A/V Receiver

5 channels. Dolby Pro Logic, Dolby 3 Stereo, Hall, and Wrap modes. 55 W x 2 (front) from 20 Hz-20 kHz with 0.2% THD + 55 x 1 (center) with 0.3% THD at 1 kHz, both into 8 ohms + 25 x 2 (surround) into 4 ohms with 0.7% THD at 1 kHz or 65 x 2 into 8 ohms from 20 Hz-20 kHz with 0.09% THD. 5 audio inputs; 3 A/V inputs; front-panel A/V input; 2 main inputs; 5 line-level outputs; subwoofer output; 2 switched AC outlets. High-current amp design. 30 AM/FM presets; direct video dubbing; memory for surround modes; system remote control. Amp: S/N 92 dB; ch sep 45 dB at 1 kHz. FM: 50-dB quieting sens 40.3 dBf; AM Rej 55 dB; cap ratio 2.0 dB; adj-ch sel 5 dB; alt-ch sel 65 dB; S/N 70 dB mono, 65 dB stereo; THD 0.5%. Matte black. 17% x 6 x 14 1/4 in; 27 lb .....\$479

## AVR-5 200-W A/V Receiver

5 channels. Dolby Pro Logic, Dolby 3 Stereo, Theater, and 2 Hall modes. 40 W x 5 or 50 x 2, both from 20 Hz-20 kHz with 0.05% THD. 10 audio inputs including phono; 3 video inputs. High-current amp design; discrete amplifier-output stage. A/V preprogrammed remote control. Amp: S/N 95 dB; ch sep 52 dB at 1 kHz. FM: 50-dB quieting sens 45.3 dBf stereo; AM Rej 50 dB; cap ratio 2.0 dB; alt-ch sel 47 dB; S/N 65 dB mono, 60 dB stereo; THD 0.8%. Matte black. 17% x 6 1/4 x 15 in ...\$429

## HK3270 70-W/ch Receiver

2 channels. 70 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.09% THD. 5 inputs including phono;

2 audio outputs; gold-plated headphone jack; 2 switched AC outlets. High-current amp design; discrete amplifier-output stage. A/B speaker selector; system remote control. Amp: S/N 95 dB; ch sep 50 dB at 1 kHz. FM: 50-dB quieting sens 47.3 dBf stereo; AM Rej 50 dB; alt-ch sel 45 dB; THD 0.5%. 17% x 6 1/4 x 15 in .....\$329

## JVC

### RX-1024VBK 500-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic, Theater, Dolby 3 Stereo, Hall, Dance Club, Live, Club, and Pavilion modes. 100 W x 5 at 1 kHz with 0.8% THD or 130 x 2 into 8 ohms from 20 Hz-20 kHz with 0.02% THD. 8 audio inputs; 5 video inputs; 4 S-Video inputs; 2 optical and 1 coaxial digital input; front-panel A/V input; 4 S-Video outputs; subwoofer output; outputs for 2 front speaker pairs; headphone jack; line-level outputs for all channels; banana jacks for all outputs. Digital-domain Pro Logic processing; discrete amplifier-output stage; computer-controlled digital-synthesis tuner. 5 EQ presets and 1 user-adjustable setting; center-channel tone control; 40 AM/FM presets; loudness control; balance control; multicolor on-screen display; sleep timer; fluorescent display; multibrand A/V remote control with cable box and CD changer controls; A/V CompuLink control system; one-touch operation remembers input settings; TV auto power-on; backlit remote control. Amp: S/N 87 dB. FM: 50-dB quieting sens 38.3 dBf stereo; AM Rej 50 dB; cap ratio 1.5 dB; adj-ch sel 60 dB; S/N 80 dB mono, 73 dB stereo; THD 0.2% stereo. Black. 17 1/4 x 6 1/4 x 16 1/4 in; 26 lb .....\$900

### RX-992VBK 480-W A/V Receiver

5 channels. Dolby Pro Logic, Dolby 3 Stereo, Stadium, Dance Club, Live Club, Pavilion, Headphone, and 2 Theater DSP modes. 120 W x 3 + 60 x 2 at 1 kHz with 0.8% THD or 120 x 2 from 20 Hz-20 kHz with 0.02% THD, all into 8 ohms. 6-channel input; 8 audio inputs; 5 video inputs; 2 S-video inputs; subwoofer output; banana-plug-compatible outputs for 2 front speaker pairs; headphone jack; gold plating on all connectors. Dolby Digital ready; digital-domain Pro Logic processing. Advanced Super-A amp circuit; constant-current circuit; discrete amp-output stage. 5 EQ presets and 1 user-adjustable setting; multicolor on-screen display with superimpose feature; one touch operation; A/V CompuLink compatible; 40 AM/FM presets; loudness switch; sleep timer; programmable A/V remote with DVD and CD megachanger control. FM: 50-dB quieting sens 38.3 dBf; cap ratio 1.5 dB; S/N 80 dB mono, 73 dB stereo; THD 0.15%. Black. 17 1/4 x 5 1/4 x 16 1/4 in; 30 lb .....\$670

### RX-884VBK 500-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic, Dolby 3 Stereo, Hall, Dance Club, Live, Club, and Pavilion DSP modes, Virtual 5.1, Theater, and Headphone modes. 100 W x 5 at 1 kHz with 0.8% THD or 120 x 2 into 8 ohms from 20 Hz-20 kHz with 0.02% THD. 8 audio inputs; 5 video inputs; 4 S-Video inputs; 2 optical and 1 coaxial digital input; front-panel A/V input; 4 S-Video outputs; subwoofer output; outputs for 2 front speaker pairs; banana plugs for all outputs; headphone jack. Digital-domain Pro Logic processing; discrete amplifier-output stage; computer-controlled digital-synthesis tuner. 5 EQ presets and 1 user-adjustable setting; center-channel tone control; 40 AM/FM presets; loudness switch; balance control; multicolor on-screen display; sleep timer; fluorescent display; A/V CompuLink control system; one-touch operation; multibrand A/V remote with DVD and megachanger controls .....\$550

### RX-774VBK 500-W A/V Receiver

5 channels. Dolby Pro Logic, Dolby 3 Stereo, Hall, Virtual Pro Logic, Theater, and Headphone modes. 100 W x 5 at 1 kHz with 0.8% THD or 110 x 2 from 20 Hz-20 kHz, all into 8 ohms. 6 audio and 3 video inputs; 1 S-Video input; subwoofer output; 1 S-Video output; outputs for 2 front speaker pairs;

headphone jack. Discrete amp-output stage. 5 EQ presets and 1 user-adjustable setting; adjustable digital delay; 40 AM/FM presets; center-channel tone control; loudness switch; LED volume indicator; enhanced A/V CompuLink text control system; multicolor on-screen display; multibrand A/V remote control with cable box and megachanger controls .....\$450

### RX-5TH 200-W A/V Receiver

4 channels. Dolby Pro Logic, Dolby 3 Stereo, three 3D-Phonic, and 4 ambience modes. 50 W x 4 at 1 kHz or 100 x 2 from 40 Hz-20 kHz, all into 8 ohms with 0.8% THD. 5 audio inputs; 2 video inputs; 2 audio outputs; 2 video outputs. 14 EQ presets; one-touch operation; A/V CompuLink control system; on-screen display. Amp: S/N 87 dB. FM: 50-dB quieting sens 38.3 dBf; AM Rej 50 dB; cap ratio 1.5 dB; adj-ch sel 60 dB; S/N 80 dB mono, 73 dB stereo; THD 0.2%. Black. 15 1/4 x 5 x 15 1/4 in; 17 lb .....\$360

### RX-664VBK 500-W A/V Receiver

5 channels. Dolby Pro Logic, Dolby 3 Stereo, three 3D-Phonic modes for virtual Pro Logic, Theater, Headphone, and Hall DSP mode. 100 W x 5 at 1 kHz with 0.8% THD or 100 x 2 from 40 Hz-20 kHz, all into 8 ohms. 6 audio inputs; 2 video inputs; subwoofer output; headphone jack. Discrete amp-output stage; computer-controlled digital-synthesis tuner. Adjustable digital delay; 14-preset EQ; 80 AM/FM presets; loudness switch; balance controls; fluorescent display; enhanced A/V CompuLink control system; one-touch operation; multibrand A/V remote control .....\$330

**RX-552VBK.** As above, 100 W x 4 (front, center) or 100 x 2. 5 audio inputs. Includes unified A/V remote control .....\$230

## KENWOOD

### VR-2090 500-W Dolby Digital/DTS Receiver

5 channels. Dolby Digital, DTS, Dolby Pro Logic, and 5 ambience modes. 100 W x 5 all into 6 ohms with 0.09% THD. 2 optical and 2 coaxial digital inputs; 4 S-video inputs; 4 composite video inputs; 8 analog audio inputs; optical digital output for MD dubbing; composite-video output; S-video output; 4 analog audio outputs; K-Stat circuitry; full digital bass management; 3 Motorola 24-bit DSP chips; 20-bit D/A and A/D converters; multiroom capability. 4 factory presets and 3 user-programmable macros; CD title-based direct-disc access; remote control with LCD screen and joystick operation; RDS station tuning; CD Text capability. FM: THD 0.03% .....\$1,000

**VR-20A0.** As above but without S-video inputs/outputs, room A/B monitor outputs, optical digital output. 12-V relay outputs, RDS, or macro programming .....\$800

### VR-209 500-W Dolby Digital Receiver

5 channels. Dolby Digital and Dolby Pro Logic modes. 100 W x 5. Coaxial and optical digital inputs; 3 composite-video inputs; 7 analog inputs; composite-video output; 3 analog audio outputs; banana-jack compatible speaker terminals. Dolby Digital and PCM auto detection/switching; 20-bit D/A and A/D converters. Input deletion and renaming; 3 user-programmable macros; programmable universal remote control. Amp: FR 75 dB phono, 90 dB line. FM: S/N 75 dB mono, 68 dB stereo; THD 0.7%. 17% x 5 1/4 x 15 1/4 in; 19 lb .....\$400

**VR-207.** As above, Dolby Digital/DTS-ready; 6 analog audio inputs and 2 analog audio outputs. No coaxial or optical digital inputs or banana-plug compatible speaker connectors. 17% x 5 1/4 x 15 1/4 in; 19 lb .....\$300

### VR-205 250-W A/V Receiver

5 channels. Dolby Pro Logic and 3 ambience modes. 50 W x 3 (front, center) + 50 x 2 (surround). 6 analog audio inputs; 3 composite-video inputs; 6-channel input; composite-video output; video-monitor output; 2 analog audio outputs; line-level output for subwoofer. Dolby Digital ready; Propri-

# Receivers

etary amp design. System remote control. FM: S/N 75 dB mono, 68 dB stereo; THD 0.7%. 17% x 5% x 15% in; 18 lb .....\$200

## Model 104AR 100-W/ch Receiver

2 channels. 100 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.09% THD. 6 audio inputs. SRS 3-D sound. 40 AM/FM station presets; direct-access tuning; multifunction remote control. FM: 50-dB quieting sens 41.2 dB; S/N 75 dB mono, 68 dB stereo; THD 0.6%. Slate .....\$150

## Model 103AR 50-W/ch Receiver

2 channels. 50 W x 2 into 8 ohms from 30 Hz-20 kHz with 0.09% THD. 4 audio inputs; Kenwood system remote control jacks. Multifunction remote control .....\$130

## KRELL

### KAV-300r 150-W/ch Receiver

2 channels. 150 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.25% THD. 1 balanced XLR and 3 unbalanced RCA inputs; RCA line-level output. Amp: S/N 95 dB. 5-yr parts-and-labor warranty. 19 x 3 1/4 x 15 1/2 in; 25 lb .....\$3,250



NAD Model 712 stereo receiver

## LUXMAN

### RV-371 315-W A/V Receiver

5 channels. Dolby Pro Logic, Stadium, Simulated-Stereo, and 2 Hall modes. 75 W x 2 (front) + 55 x 3 (center, surround) into 8 ohms from 20 Hz-20 kHz with 0.01% THD. 12 audio inputs; switchable phono/line-level input; S-video terminals; composite-video on-screen-display output; front-panel A/V input; system bus connection; 2 front speaker outputs. 5 discrete amplifiers. Multiroom capability; variable rear-channel time delay; A/V record selector; FM tuning in 25-kHz steps; 20 AM/FM presets; defeatable tone controls; loudness switch; A/B speaker selector; sleep timer; on-screen displays; remote control .....\$1,749

### RV-357 300 A/V Receiver

5 channels. Dolby Pro Logic, Studio, Hall modes. 80 W x 3 (front, center) 20 Hz-20 kHz with 0.08% THD + 30 x 2 (surround) at 1 kHz with 0.5% THD, all rms into 8 ohms. Screw-type speaker terminals. Adjustable delay time setting; auto tuning; adjustable surround-channel delay; multifunction remote control. Amp: FR 20 Hz-20 kHz  $\pm 0.1$  dB phono, 10 Hz-50 kHz  $\pm 3$  dB line; S/N 74 dB phono, 92 dB line. FM: 50-dB quieting sens 25 dB stereo; S/N 80 dB mono, 75 dB stereo; THD 0.15% stereo. Black. 3-yr warranty. 19 x 6 1/2 x 13 1/2 in; 20 lb .....\$798

## MARANTZ

### SR-880 450-W Dolby Digital Receiver

5 channels. Dolby Digital and Dolby Pro Logic modes. 110 W x 3 (front, center) + 60 x 2 (surround) into 8 ohms. 2 optical and coaxial digital inputs; AC-3 RF input with built-in Dolby Digital RF demodulator; S-video inputs; monitor output. On-screen display; 30 AM/FM presets with auto preset memory/scan and station naming; multiroom capability with fixed or variable-level preamp outputs; RC-2000 intelligent-learning remote with LCD readout. 3-yr parts-and-labor warranty. 17% x 6 1/4 x 12 in; 28 lb .....\$1,500

### SR-780 400-W Dolby Digital Receiver

5 channels. Dolby Digital and Dolby Pro Logic modes. 80 W x 5 into 8 ohms. 2 optical and coaxial digital inputs; AC-3 RF input with built-in Dolby

Digital RF demodulator. Lucasfilm ReEQ circuitry. On-screen display; 30 AM/FM presets with auto preset memory/scan and station naming; multiroom capability with fixed or variable-level preamp outputs for second zone; RC 2000 MkII learning remote control. 3-yr parts-and-labor warranty. 17% x 6 1/4 x 12 in; 28 lb .....\$1,200

**SR-685.** As above without S-video display, multiroom capability, or RC2000 remote .....\$1,000

### SR-580 300-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic, Hall, and Matrix modes. 60 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.08% THD or 90 x 5 into 4 ohms from 20 Hz-20 kHz with 0.3% THD. 3 audio inputs; 5 video inputs; AC-3 RF, coaxial, and optical digital inputs; 1 pair front-panel inputs; 2 record loops; line-level outputs for each channel. 5 discrete amplifier-output stages; Motorola 56000 DSP processor. Test-tone generator; programmable remote control. FM: 50-dB quieting sens 10.8 dB; AM Rej 50 dB; adj-ch sel 55 dB; alt-ch sel 55 dB; S/N 80 dB mono, 73 dB stereo; THD 0.5%. Black. 3-yr warranty. 17 1/4 x 5 1/2 x 15 in; 31 lb .....\$699

**SR-585.** As above without AC-3 RF input .....\$699

**SR-480.** As above without Dolby Digital; with pre-out/main-in loop; system remote control instead of learning remote .....\$499

### CR-2020 Slim Series 30-W/ch Receiver/CD Player

2 channels. 30 W x 2 into 8 ohms with 0.09% THD. Headphone jack. 30 AM/FM presets with auto preset memory/scan and station naming; station naming; CD player section features Philips CDM-12.1 holographic-laser transport with digital servo control; Bitstream DAC; 12/24-hr clock/timer function; program, random, and repeat play modes; system remote control. 3-yr parts-and-labor warranty. 17% x 4 x 12 in; 15 lb .....\$600

### SR-63 70-W/ch Receiver

2 channels. 70 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.5% THD or 170 x 2 into 2 ohms. Phono input; RC-5 system remote-control jacks; AC outlets. Motor-driven volume control. Video switching; 30 AM/FM presets with battery-free memory backup; bass, treble, and bass-EQ controls; system remote control. Amp: S/N 80 dB phono, 90 dB line; ch sep 45 dB. FM: cap ratio 1 dB; alt-ch sel 65 dB; S/N 75 dB stereo; THD 0.5% stereo. 3-yr parts-and-labor warranty. 16 1/2 x 5 1/2 x 14 1/4 in .....\$400

### SR-66 200-W A/V Receiver

5 channels. Dolby Pro Logic, Dolby 3 Stereo, and Hall modes. 50 W x 3 (front, center) + 25 x 2 (surround) or 75 x 2 into 8 ohms from 20 Hz-20 kHz with 0.09% THD. 5 audio and 2 video inputs. Digital delay. Video switching; 30 AM/FM presets; system remote control. Amp: S/N 80 dB phono, 90 dB line; ch sep 45 dB. FM: cap ratio 1 dB; alt-ch sel 65 dB; S/N 75 dB stereo; THD 0.5% stereo. 3-yr parts-and-labor warranty. 16 1/2 x 5 1/2 x 14 1/4 in .....\$350

### SR-48 50-W/ch Receiver

2 channels. 50 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.09% THD or 70 x 2 into 4 ohms from 20 Hz-20 kHz with 0.3% THD. 4 audio inputs; tape loop; parallel remote-speaker connection; banana-jack speaker terminals. Discrete amplifier-output stage. Auto-preset memory; system remote control. FM: alt-ch sel 50 dB; S/N 70 dB mono, 65 dB stereo; THD 0.5%. Black. 3-yr warranty. 17 1/4 x 5 1/2 x 13 1/2 in .....\$300

## MITSUBISHI

### M-VR1000 420-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic (Normal, Phantom, Wide), Dolby 3 Stereo, and Hall modes. 100 W x 3 (left, center, right) + 60 x 2 (surround) at 1 kHz with 0.1% THD or 125 x 2 from 20 Hz-20 kHz with 0.09% THD, all into 6 ohms. 6 audio inputs; 5 A/V inputs; 3 audio outputs; 3 S-video

outputs; 5 banana-plug speaker terminals. Discrete amplifier-output stage; motor-driven volume control. On-screen menu display; auto standby mode; multibrand remote with center- and surround-level controls; 30 AM/FM presets with scan. Amp: S/N 100 dB. FM: 50-dB quieting sens 37.2 dB; cap ratio 1.5 dB; alt-ch sel 55 dB; S/N 70 dB stereo; THD 0.2%. Black-diamond gray. 17% x 6 1/4 x 17 1/4 in; 48 lb .....\$1,999

**M-VR800.** As above, 70 W x 5 into 6 ohms with 0.1% THD or 125 x 2 into 6 ohms from 20 Hz-20 kHz with 0.9% THD. 17% x 6 1/4 x 15 1/4 in; 37 lb .....\$1,199

### M-VR600 255-W A/V Receiver

5 channels. Dolby Pro Logic, Wide, Phantom, Dolby 3 stereo, and Hall modes. 65 W x 3 (front, right, center) + 30 x 2 (surround) or 70 x 2, all into 6 ohms at 1 kHz with 0.5% THD. 4 audio inputs; 4 S-video/composite-video inputs; front-panel A/V input; 2 tape loops; 2 S-video outputs; mono subwoofer output; headphone jack; 1 switched, 1 unswitched AC outlet. Discrete amp-output stage; motor-driven volume control. 30 AM/FM presets; mute switch; auto-standby mode; preprogrammed universal remote control. Amp: THD 0.09%. 17% x 5 1/4 x 13 1/2 in; 20 lb .....\$599

### M-VR400 190-W A/V Receiver

5 channels. Dolby Pro Logic, Wide, Phantom, Dolby 3 Stereo, and Hall modes. 50 W x 3 (front, center) into 6 ohms + 20 x 2 (surround) into 4 ohms or 55 x 2 into 6 ohms, all at 1 kHz with 0.5% THD. 4 audio inputs; 2 tape loops; 1 VCR loop; 2 composite-video inputs. Motor-driven remote control. 30 AM/FM presets; remote center- and rear-level controls; remote control with mute. Amp: THD 0.09% at rated power. 17% x 5 1/4 x 13 1/2 in; 13 lb .....\$449

## NAD

### Model 713-AV 195-W A/V Receiver

4 channels. Dolby Pro Logic and Hall surround modes. 55 W x 3 (front, center) + 30 x 1 (surround) or 60 x 2 all into 8 ohms from 20 Hz-20 kHz with 0.08% THD. CD and phono inputs; 2 tape inputs; 2 video inputs; 1 video output. Discrete amplifier-output stage; controlled Dynamic Range; low-impedance drive capability. Late-night listening mode; video switching; full system remote; NAD link; 30 AM/FM presets. Amp: S/N 100 dB. 17% x 5 1/4 x 13 in .....\$599

### Model 711-AV 140-W A/V Receiver

4 channels. Dolby Pro Logic and Hall surround modes. 40 W x 3 (front, center) + 20 x 1 (surround) or 40 x 2 all into 8 ohms from 20 Hz-20 kHz with 0.08% THD. 4 audio inputs including 2 tape input/outputs; 2 video inputs. Discrete amplifier-output stage. Late-night listening mode; video switching; NAD link; 30 AM/FM presets; full system remote control. Amp: S/N 100 dB. 17% x 5 1/4 x 11 1/2 in; 20 lb .....\$499

### Model 712 25-W/ch Receiver

2 channels. 25 W x 2 cont into 8 ohms from 20 Hz-20 kHz with 0.03% THD. 6 audio inputs including 2 tape input/outputs with dubbing capability; line-level inputs/outputs. Proprietary Soft Clipping circuitry. NAD link; 24 AM/FM presets; full system remote. Amp: S/N 116 dB. 17% x 3 3/4 x 10 1/4 in; 13 lb .....\$399

### Model 710 20-W/ch Receiver

2 channels. 20 W x 2 cont into 8 ohms or 80 x 2 into 2 ohms. MOSFET-bipolar output stage. 24 AM/FM presets; high-speed search tuning. Amp: S/N 74 dB .....\$299

## Theater Series

### T770 350-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic modes, and Enhanced Ambiance Recovery System (EARS) modes. 70 W x 5 or 80 x 2, both into 8 ohms from 20 Hz-20 kHz with 0.08% THD. 3 line-level inputs with tape monitor; coaxial, optical and RF digital

# Receivers

inputs; 5 video inputs including 2 monitor, S-video, and composite-video; 6-channel input and output; line-level audio outputs for all channels plus subwoofer; video monitor output. Soft-clipping circuitry. NAD link; 30 tuner presets; speaker A/B selector; system remote control. Amp: S/N 106 dB. FM: 50-dB quieting sens 36 dB; S/N 75 dB mono, 67 dB stereo; THD 0.25%. Gray. 17 1/2 x 6 1/2 x 13 1/2 in; 36 lb .....\$1,699

## T750 210-W A/V Receiver

5 channels. Dolby Pro Logic and Hall modes. 50 W x 3 (front, center) + 30 x 2 (surround) or 50 x 2, all into 8 ohms from 20 Hz-20 kHz with 0.08% THD. 4 audio line inputs including 2 tape monitors; 4 video inputs including tape monitor; 6-channel input; line-level outputs for all channels plus subwoofer; video-monitor output. Dolby Digital ready; Impedance Sensing Circuitry (ISC) topology for power amp section; soft-clipping circuitry. NAD link; 30 tuner presets; system remote control. Amp: S/N 106 dB. FM: 50-dB quieting sens 36 dB; S/N 73 dB mono, 67 dB stereo; THD 0.25%. Gray. 17 1/2 x 4 3/4 x 11 1/2 in; 20 lb .....\$699

## Classic Series

### C740 35-W/ch Receiver

2 channels. 35 W x 2 into 8 ohms or 35 x 2 into 4 ohms, both from 20 Hz-20 kHz with 0.03% THD. 6 line-level inputs including 2 tape loops; line-level output. Impedance Sensing Circuitry (ISC) topology for power amp section; high-current amp design; soft-clipping circuitry. NAD link; tone defeat; 30 tuner presets; auto search; FM blend; FM tuning in 25-kHz steps; system remote control. Amp: S/N 104 dB. FM: 50-dB quieting sens 36.1 dB; cap ratio 2.5 dB; THD 0.15%. Gray. 17 1/2 x 4 3/4 x 11 1/2 in; 18 lb .....\$499

## NAKAMICHI

### AV-10 500-W Dolby Digital/DTS Receiver

5 channels. Dolby Digital, DTS, Dolby Pro Logic, Hall, and Natural modes. 100 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.1% THD. 2 coaxial optical inputs; 7 audio and 4 video inputs; 4 S-video input; 2 switched AC outlets. Harmonic Time Alignment amplifier topology; Programmable remote control. 3-yr warranty. 17 x 5 1/2 x 14 1/2 in; 35 lb .....\$949

### AV-7 400-W A/V Receiver

5 channels. Dolby Pro Logic, Hall, Natural, and Stadium modes. 80 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.1% THD. 5 audio and 3 video inputs; 6-channel input; 2 switched AC outlets. Dolby Digital-ready; Harmonic Time Alignment amplifier topology. System remote control. 3-yr warranty. 17 x 5 1/2 x 12 in; 28 lb .....\$449

### RE-10 100-W/ch Receiver

2 channels. 100 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.1% THD. 3 audio and 2 video inputs; 2 outputs; 2 switched AC outlets. Harmonic Time Alignment amplifier topology. System remote control. 3-yr warranty. 17 x 5 1/2 x 12 in; 28 lb .....\$349

## ONKYO

*The following feature motor-driven volume controls.*

### Integra TX-DS939 500-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic, THX Home Cinema, and 11 adjustable ambience modes. 100 W x 5 or 120 x 2, both into 8 ohms. 4 audio inputs; 7 A/V inputs including S-video and composite video; AC-3 RF, coaxial, and 2 optical digital inputs; front-panel A/V input and output; 2 video-monitor outputs; line-level outputs for all channels; 3 switched AC outlets. Discrete amplifier-output stage; Lucasfilm ReEQ circuitry; cooling fan. Auto turn-on/off; on-screen display; auto acoustic analyzer with mic; 3-language on-screen display; direct-access tuning; 40 AM/FM presets with 4 groups; auto scan tuning; 8-character display; station naming; learning remote control with sleep timer. Amp: S/N 100 dB. FM: S/N 76 dB mono, 70 dB stereo; THD 0.2%. Black .....\$2,800

**Integra TX-DS838.** As above, 90 W x 3 (front, center) + 50 x 2 (surround) or 120 x 2. 4 A/V inputs; 1 optical digital input; preprogrammed remote control; no THX or auto acoustic analyzer .....\$1,500

### TX-DS747 320-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic, and 12 ambience modes. 80 W x 3 (front, center) from 20 Hz-20 kHz with 0.08% THD + 40 x 2 (surround) or 90 x 2 from 20 Hz-30 kHz with 0.08% THD, all into 8 ohms. 4 audio inputs; 4 A/V inputs; 4 S-video inputs; 1 optical and 2 coaxial digital outputs; subwoofer output; 2 switched AC outlets. Motorola 24-bit DSP chip; Lucasfilm ReEQ circuitry; Timbre Matching circuitry. On-screen display; auto turn-on/off; bass control; auto scan tuning; character input; Onkyo RI System compatible; multiroom/multi-source capability. Amp: S/N 70 dB. FM: S/N 76 dB mono, 70 dB stereo; THD 0.2%. Brushed-aluminum front panel. 17 1/2 x 6 1/2 x 15 1/2 in; 29 lb .....\$1,000

### TX-SV828THX 370-W THX Receiver

5 channels. Dolby Pro Logic and 7 ambience modes. 90 W x 3 (front, center) + 50 x 2 (surround) or 100 x 2, all into 8 ohms. 4 S-video inputs; line-level outputs/main inputs for each channel; mono subwoofer output; front panel A/V input. Dolby Digital ready; bypassable subwoofer crossover; auto input balance; cooling fan; Motorola 24-bit DSP chip; multiroom capability. Adjustable digital display; 30 AM/FM presets with battery-free backup; 3 AM/FM preset groups with scan; direct station access; FM mute; sleep timer; on-screen display; Onkyo RI System compatible; programmable remote control. Amp: FR 20 Hz-20 kHz; THD 0.03%. 17 1/2 x 7 x 17 1/2 in; 33 lb .....\$1,000

### TX-SV646 300-W A/V Receiver

5 channels. Dolby Pro Logic and 6 ambience modes. 80 W x 3 (front, center) 20 Hz-20 kHz with 0.08% THD + 30 x 2 (surround) or 90 x 2 from 20 Hz-30 kHz with 0.8% THD, all into 8 ohms. 4 audio inputs; 4 A/V inputs; subwoofer output; 2 switched AC outlets. Dolby Digital ready; Motorola 24-bit DSP chip; Lucasfilm ReEQ circuitry; timbre-matching circuitry. On-screen display; auto turn-on/off; bass control; auto scan tuning; Onkyo RI System compatible; multiroom/multi-source capability; learning remote control. Amp: S/N 70 dB. FM: S/N 76 dB mono, 70 dB stereo; THD 0.2%. Brushed-aluminum front panel. 17 1/2 x 6 1/2 x 15 1/2 in; 27 lb .....\$750

### TX-SV545 245-W A/V Receiver

5 channels. Dolby Pro Logic and 5 ambience modes. 65 W x 3 (front, center) from 20 Hz-20 kHz with 0.08% THD + 25 x 2 (surround) or 75 x 2 from 20 Hz-30 kHz with 0.08% THD, all into 8 ohms. 7 audio and 3 video inputs; 6-channel input; subwoofer output; 2 switched AC outlets. Dolby Digital ready; Motorola 24-bit DSP chip; Lucasfilm ReEQ; timbre-matching circuitry. Character input; auto turn-on/off; bass control; auto scan tuning; Onkyo RI System compatible; multiroom/multi-source capability; learning remote control. Amp: S/N 70 dB. FM: THD 0.2%. Brushed-aluminum front panel. 17 1/2 x 6 1/2 x 15 1/2 in; 26 lb .....\$580

### TX-SV454 220-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic, Hall, and Live modes. 60 W x 3 (front, center) from 20 Hz-20 kHz + 20 x 2 (surround), both into 8 ohms with 0.08% THD or 70 x 2 into 8 ohms from 20 Hz-20 kHz with 0.08% THD. 6-channel input; 4 audio and 2 A/V inputs; 2 switched AC outlets; subwoofer output; headphone jack. Lucasfilm ReEQ circuitry; discrete amplifier-output stage. A/B speaker selector; auto turn-on/off; 30 AM/FM presets; 3 preset groups; auto scan tuning; 2-level display dimmer; bass, treble, and balance controls; learning remote control. Amp: S/N 100 dB. FM: AM Rej 40 dB; alt-ch sel 55 dB; S/N 73 dB mono, 67 dB stereo; THD 0.25%. Black .....\$430

### TX-SV444 220-W A/V Receiver

5 channels. Dolby Pro Logic, Hall, and Live modes. 60 W x 3 (front, center) from 20 Hz-20 kHz with

0.08% THD + 20 x 2 (surround) with 0.08% THD or 70 x 2 from 20 Hz-20 kHz with 0.03% THD, all into 8 ohms. 10 audio inputs; 2 video inputs; video output; 2 switched AC outlets. Discrete amplifier-output stage; Lucasfilm ReEQ circuitry. Onkyo RI System compatible; bass control. Amp: S/N 100 dB. FM: 50-dB quieting sens 32.2 dB; AM Rej 40 dB; alt-ch sel 55 dB; S/N 67 dB stereo; THD 0.25%. Solid-aluminum front panel. 17 1/2 x 4 3/4 x 12 1/2 in; 22 lb .....\$429

### TX-8511 100-W/ch Receiver

2 channels. 100 W x 2 rms into 8 ohms. 4 audio and 2 video inputs. A/V switching; 30 AM/FM presets with battery-free backup; 3 preset groups with scan; direct station access; FM mute switch; selective tone; sleep timer; Onkyo RI system remote control. Amp: S/N 100 dB. FM: THD 0.25%. 17 1/2 x 5 1/2 x 12 1/2 in; 20 lb .....\$350

### TX-SV343 180-W A/V Receiver

5 channels. Dolby Pro Logic and Hall modes. 50 W x 3 (front, center) from 20 Hz-20 kHz with 0.08% THD + 15 x 2 (surround) or 65 x 2 from 20 Hz-30 kHz with 0.08% THD, all into 8 ohms. 4 audio and 2 A/V inputs including tape monitor; subwoofer output. Discrete amplifier-output stage. Adjustable digital delay; 30 AM/FM presets; sleep timer; Onkyo RI System compatible. Amp: S/N 70 dB. FM: S/N 76 dB mono, 70 dB stereo. Solid-aluminum front panel. 17 1/2 x 4 3/4 x 12 1/2 in; 18 lb .....\$350

### TX-8211 50-W/ch Receiver

2 channels. 50 W x 2 rms into 8 ohms. 4 audio inputs. Auto tuner; reception-optimization system. 30 AM/FM station presets with battery-free backup; 3 preset groups; direct station access; FM mute switch. A/B speaker switch; fluorescent display; selective tone; sleep timer; Onkyo RI System remote control. Amp: FR 20 Hz-30 kHz; THD 0.08% at rated power. 17 1/2 x 5 1/2 x 12 1/2 in; 18 lb .....\$250

## OPTIMUS BY RADIO SHACK

### STA-3500 100-W/ch Receiver

2 channels. 100 W x 2 rms into 8 ohms from 40 Hz-20 kHz with 0.9% THD. 5 audio inputs, headphone jack. Digital tuning. Super bass switch; 30 memory presets; system remote control .....\$200

### STA-795 50-W/ch Receiver

2 channels. 50 W x 2 rms into 8 ohms from 40 Hz-20 kHz with 0.5% THD. 3 audio inputs; phono input. 6 AM/12 FM presets; auto FM muting; bass and treble controls; loudness switch; tape-monitor controls; 5-segment LED power meter .....\$150

## Professional Series

### STAV-3690 500-W A/V Receiver

5 channels. Dolby Pro Logic, Dolby 3 Stereo, Theater, Studio, Arena, Hall, and Jazz Club modes. 100 W x 5 into 8 ohms with 0.8% THD or 100 x 2 into 8 ohms from 20 Hz-20 kHz with 0.09% THD. 6 audio inputs; 3 video inputs; front-panel RCA A/V input jacks; 2 video outputs; subwoofer output; line-level outputs. Motor-driven volume control; digital tuning. 30 station presets; electronic bass, treble, and balance controls; loudness control; programmable remote control. Amp: S/N 46 dB. FM: 50-dB quieting sens 38.6 dB; alt-ch sel 60 dB; S/N 73 dB mono, 70 dB stereo; THD 0.5%. Black. 16 1/2 x 6 1/2 x 14 1/2 in; 20 lb .....\$350

### STAV-3680 500-W A/V Receiver

5 channels. Dolby Pro Logic, Dolby 3 Stereo, Theater, Studio, and Arena modes. 100 W x 5 with from 20 Hz-20 kHz into 0.8% THD or 100 x 2 into 8 ohms from 20 Hz-20 kHz with 0.09% THD. 6 audio inputs; 3 video inputs; 2 video outputs; subwoofer output; center-channel output. Motor-driven volume control; digital tuning. 30-station presets; rotary bass, treble, and balance controls; loudness control; system remote control. Amp: S/N 96 dB. FM: 50-dB quieting sens 38.6 dB; alt-ch sel 60 dB; S/N 73 dB mono, 70 dB stereo; THD 0.5%. Black. 16 1/2 x 6 1/2 x 14 1/2 in; 20 lb .....\$300

# Receivers

## STAV-3770 400-W A/V Receiver

5 channels. Dolby Pro Logic, Jazz Club, Hall, Dance, Theater-1 and 2 modes. 100 W x 3 (front, center) + 50 x 2 (surround) or 100 x 2, all into 8 ohms from 40 Hz-20 kHz with 0.9% THD. 5 audio inputs; 2 video inputs; 2 video outputs; subwoofer output. Motor-driven volume control; digital tuning. 30 station presets; electronic bass, treble, and balance controls; loudness control; system remote control. Amp: S/N 96 dB. FM: 50-dB quieting sens 38.6 dBf; alt-ch sel 60 dB; S/N 73 dB mono, 70 dB stereo; THD 0.5%. Black. 16 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 16 lb .....\$230

## PIONEER

### VSX-D906S 500-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic, Dolby 3 Stereo, Jazz, Hall, Studio, and 2 Theater modes. 100 W x 5 at 1 kHz with 0.8% THD or 100 x 2 from 20 Hz-20 kHz with 0.09% THD, all into 6 ohms. AC-3 RF, coaxial, and optical digital audio inputs; 5 audio and 5 video; 4 S-video inputs; front-panel A/V input; 3 S-video outputs; 2-way binding posts for all channels; line-level outputs for all channels plus subwoofer. Motor-driven volume control. Discrete amplifier-output stage; electronic tone controls; On-Screen icon-based graphic interface including control and titling of 100-disc CD changers; 30 AM/FM presets with labeling and 5 classification groups; programmable remote with DSS and DVD control and multi-operation button. 16 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 16 $\frac{1}{2}$  in .....\$1,200

### VSX-D607S 500-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic, Jazz, Dance Club, Hall, Theater-1 and 2 modes. 100 W x 5 into 8 ohms at 1 kHz with 0.8% THD or 100 x 2 into 8 ohms from 20 Hz-20 kHz with 0.009% THD.

4 analog audio inputs; 5 composite-video inputs; 2 coaxial and 1 optical digital input. Learning remote control. Amp: S/N 97 dB. FM: 50-dB quieting sens 38.6 dBf; alt-ch sel 60 dB; S/N 73 dB mono, 70 dB stereo; THD 0.5%. Black. 16 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 21 lb .....\$599

**VSX-D557.** As above, but learning remote is replaced with preprogrammed A/V remote control. 16 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 21 lb .....\$449

### VSX-D507S 500-W A/V Receiver

5 channels. Dolby Pro Logic, Jazz Club, Dance Club, Hall, Theater-1 and 2, and Dialog modes. 100 W x 5 into 8 ohms at 1 kHz with 0.8% THD or 100 x 2 into 8 ohms from 20 Hz-20 kHz with 0.09% THD. 3 audio inputs; 4 composite-video inputs; 6-channel input. Dolby Digital ready; digital signal processor; digital noise reduction. Amp: S/N 96 dB. FM: 50-dB quieting sens 38.6 dBf; alt-ch sel 60 dB; S/N 73 dB mono, 70 dB stereo; THD 0.5%. Black. 16 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 20 lb .....\$349

### VSX-D457 500-W A/V Receiver

5 channels. Dolby Pro Logic, Jazz, Dance Club, Hall, Theater-1 and 2, and Dialog modes. 100 W x 5 into 8 ohms at 1 kHz with 0.8% THD or 100 x 2 into 8 ohms from 20 Hz-20 kHz with 0.9% THD. 3 audio inputs; 3 composite-video inputs; 6-channel input. Dolby Digital ready. Remote control. Amp: S/N 96 dB. FM: 50-dB quieting sens 38.6 dBf; alt-ch sel 60 dB; S/N 73 dB mono, 70 dB stereo; THD 0.5%. Black. 16 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 20 lb .....\$299

### SX-255R 100-W/ch Receiver

2 channels. 100 W x 2 cont into 8 ohms from 40 Hz-20 kHz with 0.9% THD. 6 audio inputs. Motor-driven volume control. 30 station presets; memory scan tuning; motor-driven volume control; bass and treble controls; remote control .....\$255

**SX-205.** As above without motor-driven volume control, 30 station presets, or remote .....\$220

### VSX-D407 400-W A/V Receiver

4 channels. Dolby Pro Logic, Jazz, Dance Club, Hall, Theater-1 and 2 modes. 100 W x 4 into 8 ohms at 1 kHz with 0.9% THD or 100 x 2 from 40 Hz-20 kHz with 0.9% THD. 3 audio, 2 video inputs; 6-channel input. Dolby Digital ready; digital signal processor. Tone defeat; preprogrammed remote. Amp: S/N 96 dB. FM: 50-dB quieting sens 38.6 dBf; alt-ch sel 60 dB; S/N 73 dB mono, 70 dB stereo; THD 0.5%. Black. 16 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 16 lb .....\$245

**VSX-D307.** As above, but preprogrammed A/V remote is replaced with system remote. 16 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 16 lb .....\$199

## Elite Series

### VSX-09TX 500-W THX Dolby Digital Receiver

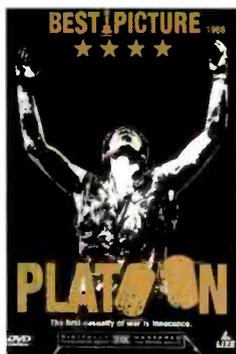
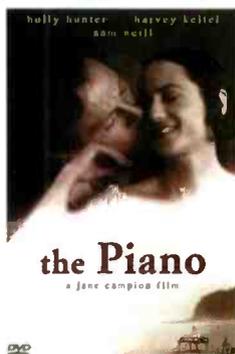
5 channels. Dolby Digital, Dolby Pro Logic, Hall, THX, studio, Jazz, Theater-1, and 2 Theater modes. 100 W x 5 from 20 Hz-20 kHz with 0.8% THD or 110 x 2 from 20 Hz-20 kHz with 0.09% THD, all into 6 ohms. 5 audio and 5 video inputs; 5 S-video inputs; front-panel A/V input; line-level outputs for all channels plus subwoofer; 3 AC outlets. Copper chassis; heavy-duty power cord. Graphical user interface including control of CD changers; 30 AM/FM tuner presets; multiroom/multisource capability; preprogrammed/learning remote. Amp: S/N 97 dB. FM: 50-dB quieting sens 38.6; cap ratio 1 dB; alt-ch sel 65 dB; S/N 80 dB mono, 76 dB stereo. Rosewood side panels. 18 x 6 $\frac{1}{2}$  x 16 $\frac{1}{2}$  in; 34 lb .....\$1,750

**VSX-07TX.** As above without copper chassis, gold-plated terminals, and rosewood side panels. 16 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 16 $\frac{1}{2}$  in; 30 lb .....\$1,450

### VSX-14 500-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic, Jazz,

Does your home theater receiver remember your favorite movie?



# Receivers

Hall, Dance Club, Theater 1 and 2 modes. 100 W x 5 into 8 ohms at 1 kHz with 0.8% THD or 100 x 2 into 8 ohms from 20 Hz-20 kHz with 0.09% THD. 3 audio, 4 composite-video inputs; 1 optical, 2 coaxial digital inputs; line-level outputs for all channels. THX-certified. Amp: S/N 97 dB. FM: 50-dB quieting sens 38.6 dB; alt-ch sel 60 dB; S/N 70 dB mono, 73 dB stereo; THD 0.5%. Black. 16% x 6% x 15 1/4 in; 21 lb ... \$800

## VSX-11 500-W Receiver

5 channels. Dolby Pro Logic, Studio, and Arena modes. 100 W x 5 into 8 ohms at 1 kHz with 0.8% THD or 100 x 2 from 20 Hz-20 kHz with 0.09% THD. 3 audio and 3 composite-video inputs; 6-ch input; binding-post speaker terminals; line-level outputs for all channels. Dolby Digital ready. Balance control. Amp: S/N 96 dB. FM: 50-dB quieting sens 38.6 dB; alt-ch sel 60 dB; S/N 70 dB mono, 73 dB stereo; THD 0.5%. Black. 16% x 6% x 15 1/4 in; 20 lb ... \$600

## RCA

### RV3798 200-W A/V Receiver

5 channels. Dolby Pro Logic, Dolby 3 Stereo, and Hall modes. 40 W x 5 or 40 x 2, all rms into 8 ohms from 20 Hz-20 kHz with 0.25% THD. 6-channel input; 5 audio inputs; 3 video inputs; dedicated DSS input; dual subwoofer outputs; headphone jack. Dolby Digital ready; PLL digital tuner. Surround memory (stores and recalls preferred surround settings for each source); two-color fluorescent display; speaker-level indicator; universal remote control. Amp: THD 0.25%. 16 1/2 x 4 1/4 x 13 in; 26 lb ... \$499

## ROTEL

### RSX965 400-W Dolby Digital/DTS Receiver

5 channels. Dolby Digital, DTS, Dolby Pro Logic, Concert, Hall, Stadium, and Music-1, 2, and 3

modes. 80 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.03% THD. 2 coaxial and 2 optical digital inputs; 5 S-Video inputs; DB-25 input; 5.1 channel upgrade via DB-25 input; 6 RCA outputs; DB-25 output. On-screen display. Amp: S/N 100 dB. FM: AM Rej 60 dB; cap ratio 2 dB; alt-ch sel 65 dB; THD 0.3% stereo at 1 kHz. Black. 5-yr warranty. 17% x 5 x 13 1/2 in; 24 lb ... \$1,200

## RX-950AX 50-W/ch Receiver

2 channels. 50 W x 2 cont into 8 ohms. 4 inputs including phono; line-level output/main-in loops; main/remote speaker terminals; processor loop; 2 video inputs; 2 switched AC outlets; headphone jack. Motor-driven volume control. 16 AM/FM presets; tone defeat; remote control. Amp: FR 20 Hz-20 kHz -1 dB; S/N 100 dB. FM: 50-dB quieting sens 37.2 dB stereo; cap ratio 1 dB; alt-ch sel 63 dB; S/N 75 dB stereo; THD 0.25% stereo. 17% x 4 1/4 x 13 in ... \$600

## SHERWOOD

### RVD-9090 500-W Dolby Digital/DTS Receiver

5 channels. Dolby Digital, DTS, Dolby Pro Logic, Hall, Theater, Stadium, and Church modes. 100 W x 5 into 8 ohms 20 Hz-20 kHz with 0.05% THD. 2 coaxial digital inputs; 2 optical digital inputs; 5 video inputs; 6 audio inputs; 6-channel input; subwoofer output. Discrete amplifier-output stage; 20-bit D/A and A/D converters. Fluorescent display; DigiLink III remote control. FM: 50-dB quieting sens 36.1 dB; cap ratio 1.0 dB; S/N 75 dB mono, 70 dB stereo; THD 0.4%. Black. 35 lb ... \$850

### RVD-7090 400-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic, Hall, Stadium, Theater, and Church modes. 80 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.05% THD.

Coaxial and optical digital inputs; 6 audio inputs; 5 video inputs; subwoofer output. Discrete amplifier-output stage; 20-bit D/A and A/D converters. Fluorescent display; DigiLink III remote control. FM: 50-dB quieting sens 40 dB; cap ratio 1.25 dB; THD 0.4%. 28 lb ... \$550

### RVD-6090 250-W Dolby Digital Receiver

5 channels. Dolby Digital, Dolby Pro Logic, Hall, and Stadium modes. 50 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.06% THD. Coaxial and optical digital inputs; 6 audio inputs; 4 video inputs; subwoofer output. Discrete amplifier-output stage. Fluorescent display; DigiLink III remote control. FM: 50-dB quieting sens 40 dB; cap ratio 1.25 dB; THD 0.5%. Black. 24 lb ... \$450

### RV-5090 250-W A/V Receiver

5 channels. Dolby Pro Logic, Hall, and Stadium modes. 50 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.08% THD. 6 audio inputs; 3 video inputs; subwoofer output. Discrete amplifier-output stage. Fluorescent display; DigiLink III remote control. FM: 50-dB quieting sens 40 dB; cap ratio 2.0 dB; THD 0.5%. Black. 22 lb ... \$350

### RV-4080 200-W A/V Receiver

4 channels. Dolby Pro Logic, Hall, and Stadium modes. 50 W x 4 into 8 ohms from 20 Hz-20 kHz with 0.08% THD. 3 audio inputs; 6 video inputs. Discrete amplifier-output stage. Fluorescent display; DigiLink III remote control. FM: 50-dB quieting sens 40 dB; cap ratio 2.0 dB; THD 0.5%. Black. 20 lb ... \$250

## Newcastle Series

### R-945MKII 500-W Dolby Digital/DTS Receiver

5 channels. Dolby Digital, DTS, Dolby Pro Logic, Theater, Dolby 3 Stereo, Hall, Theater, Church, and

## Why not?

## INTRODUCING JVC'S RX-1024VBK DOLBY DIGITAL RECEIVER



Imagine just putting in a tape or DVD and your entire system immediately kicks in and starts running perfectly. No hitting multiple buttons on the remote or messing with dozens of surround levels before the movie begins.

That's the kind of convenience you can only get from JVC. The AV COMPU LINK feature on our new RX-1024 receiver will automatically turn on all your JVC components—TV, VCR, DVD, CD, etc. If you're watching a movie, AV COMPU LINK remembers and instantly recalls all the listening settings you prefer for volume, bass, EQ, rear levels, delay times and more. The same holds true for your favorite CDs, MDs, cassettes, and radio stations.

And the RX-1024 is built to JVC world class performance standards too. That means a heavy duty transformer and 5 separate amplifiers with oversized capacitors and discrete outputs to deliver 100 watts of pure power to each channel. It means using only the most advanced microprocessing for onboard Dolby Digital and Dolby Pro Logic decoding. Not to mention assignable digital inputs that provide for future upgrades like Digital TV.

So check out the only surround sound receiver that always knows exactly what you expect from a movie—and delivers it every time. JVC's new RX-1024.

## A JVC EXCLUSIVE



## AV COMPU LINK

# JVC

1730 Valley Road, Wayne, NJ 07470 www.jvc.com

# Receivers

Stadium modes. 100 W x 5 or 125 x 2, all into 8 ohms from 20 Hz-20 kHz with 0.05% THD. AC-3 RF, coaxial, and optical digital inputs; 6 audio and 4 video inputs; 5 main-amp inputs; S-video input and output; front-panel A/V input; 6 line-level outputs; subwoofer output; binding-post speaker terminals; 24k gold-plated input/output jacks. Discrete amplifier-output stage; digital encoder volume control. Sleep timer; Cinema Bass; test-tone generator; programmable video-input labeling; direct station access; 30 AM/FM presets; front-, center-, and surround-channel level controls; multiroom capability; DigiLink III pre-programmed universal remote with subwoofer-level control. Amp: S/N 101 dB. FM: 50-dB quieting sens 35.8 dBf; cap ratio 1.25 dB; S/N 80 dB mono, 73 dB Stereo; THD 0.25%. Titanium front panel, white display. 17 1/2 x 3 1/2 x 15 in; 34 lb ..... \$1,299  
**R-925MKII.** As above, no DTS decoder ..... \$899

## R-626 400-W A/V Receiver

5 channels. Dolby Pro Logic, Hall, and Stadium modes. 80 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.05% THD. 2 coaxial digital inputs; optical digital input; 4 video inputs; 6 audio inputs; 5 line-level outputs. Discrete amplifier-output stage; 20-bit D/A and A/D converters. Direct station access; fluorescent display; DigiLink III remote control. FM: 50-dB quieting sens 35.8 dBf; AM Rej 70 dB; cap ratio 1.0 dB; adj-ch sel 70 dB; alt-ch sel 70 dB; S/N 75 dB mono, 70 dB stereo; THD 0.15%. Titanium. 3-yr warranty. 28 lb ..... \$700

## R-326 250-W A/V Receiver

5 channels. Dolby Pro Logic, Hall, and Stadium modes. 50 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.05% THD. 2 coaxial and 1 optical digital input; 4 video inputs; 6 audio inputs; 5 line-level outputs. Discrete amplifier-output stage; 24-bit digital processor. Direct station access; fluorescent display; DigiLink III remote control. FM: 50-dB quieting sens 36.1 dBf; cap ratio 1.25 dB; alt-ch sel 70 dB; S/N 80 dB mono, 73 dB stereo; THD 1.4%. Titanium. 3-yr warranty. 26 lb ..... \$500

## SONY

*Except as noted, the following have 5 channels and Dolby Pro Logic decoding.*

### ES Series

#### STR-DA90ESG 500-W Dolby Digital Receiver

Dolby Digital and 47 ambience modes. 100 x 5 into 8 or 4 ohms from 20 Hz-20 kHz with 0.05% THD. Triwireable inputs; preamp outputs. 30 tuner presets; remote control with Joystick. FM: 50-dB quieting sens 38.3 dBf; alt-ch sel 60 dB; S/N 76 dB mono, 70 dB stereo; THD 0.59%. Black. 5-yr warranty. 17 x 6 1/2 x 17 1/2 in; 35 lb ..... \$1,600

#### STR-DA80ES 500-W Dolby Digital Receiver

Dolby Digital and 47 ambience modes. 100 W x 5 into 8 or 4 ohms from 20 Hz-20 kHz with 0.05% THD. Preamp outputs for all channels plus subwoofer. 30 tuner presets; tuner station naming and indexing; programmable remote control. FM: 50-dB quieting sens 38.3 dBf; alt-ch sel 60 dB; S/N 76 dB mono, 70 dB stereo; THD 0.59%. Black. 5-yr warranty. 17 x 6 1/2 x 17 1/2 in; 34 lb ..... \$1,200

#### STR-GA8ES 460-W A/V Receiver

24 ambience modes. 120 W x 3 (front, center) from 20 Hz-20 kHz with 0.05% THD + 50 x 2 (surround) at 1 kHz with 0.08% THD, both into 4 or 8 ohms. 6 analog inputs; 5 video inputs; video-monitor input; S-video input and output; binding-post speaker terminals; subwoofer output. Discrete amplifier-output stage; digital-parametric EQ; adjustable DSP parameters; motor-driven volume control. S-

link control; DSS receiver control; soundfield memory; programmable A/V remote control. FM: 50-dB quieting sens 38.3 dBf; alt-ch sel 60 dB; S/N 76 dB mono, 70 dB stereo; THD 0.59%. Black. 5-yr warranty. 17 x 6 1/2 x 16 1/2 in; 32 lb ..... \$950

#### STR-GA7ES 350-W A/V Receiver

12 ambience modes. 90 W x 3 (front, center) into 8 or 4 ohms from 20 Hz-20 kHz with 0.05% THD + 40 x 2 (surround) into 8 ohms at 1 kHz with 0.8% THD. AC-3 RF input; preamp outputs for front, center, and subwoofer; parallel remote-speaker connection. 30 tuner presets; tuner station naming and indexing; programmable remote control. FM: 50-dB quieting sens 38.3 dBf; alt-ch sel 60 dB; S/N 76 dB mono, 70 dB stereo; THD 0.59%. 5-yr warranty. 17 x 6 1/2 x 16 1/2 in; 30 lb ..... \$750

### Hi-Fi Series

#### STR-DE915G 500-W Dolby Digital Receiver

Dolby Digital and 41 ambience modes. 100 W x 5 into 8 ohms at 1 kHz with 0.8% THD. Front-panel A/V input; subwoofer output; 5 video inputs; video monitor output; headphone jack; speaker binding post; wireless rear-speaker output. Auto input balance; discrete amplifier-output stage; frequency-synthesis tuning; auto tuning; motor-driven volume control. 10-function input selector; loudness and mute switches; 30 AM/FM preset; soundfield memory; tuner station naming and indexing; input indexing; 4/8-ohm switch; preprogrammed/programmable remote control. Amp: FR 10 Hz-50 kHz  $\pm 1$  dB line. FM: 50-dB quieting sens 38.3 dBf stereo; S/N 76 dB mono, 70 dB stereo. 17 x 6 1/2 x 14 1/2 in; 22 lb ..... \$1,799

#### STR-DE925 550-W Dolby Digital/DTS Receiver

Dolby Digital and 28 ambience modes. 110 W x 5 into 8 ohms at 1 kHz with 0.8% THD, or 110 x 2 into 4 or 8 ohms from 20 Hz-20 kHz with 0.09% THD. 3 op-

**Is the music you record STILL held together with tape?**



# Receivers

tical and 1 coaxial digital input; 5 audio inputs; 5 video inputs; S-link interface; optical digital output; 2 audio outputs; 3 video outputs; wireless rear-speaker output; 2 subwoofer outputs; headphone jack. 24- and 32-bit converter; discrete amplifier-output stage; push/pull design. 30 AM/FM presets; A/B speaker switch. FM: 50-dB quieting sens 38.3 dBf; alt-ch sel 60 dB; S/N 76 dB mono, 70 dB stereo; THD 0.5%. Black. 17 x 6 1/4 x 14 1/2 in; 27 lb . . . . \$700

#### STR-DE825 500-W Dolby Digital Receiver

Dolby Digital and 20 ambience modes. 100 W x 5 into 8 ohms at 1 kHz with 0.8% THD, or 100 x 2 into 4 or 8 ohms from 20 Hz-20 kHz with 0.09% THD. 3 optical and 1 coaxial digital input; 4 audio inputs; 4 video inputs; S-link interface; optical digital output; 3 video outputs; 2 subwoofer outputs; headphone output. 4/8-ohm switch; 30 AM/FM presets; station naming; A/B speaker switch; preprogrammed universal A/V remote control with LCD readout. FM: 50-dB quieting sens 38.3 dBf; alt-ch sel 60 dB; S/N 76 dB mono, 70 dB stereo; THD 0.5%. Black. 17 x 6 1/4 x 14 1/2 in; 27 lb . . . . \$600

#### STR-DE625 500-W A/V Receiver

100 W x 5 into 8 ohms at 1 kHz with 0.8% THD or 100 x 2 into 4 or 8 ohms. 4 audio inputs; 4 video inputs; 6-channel input; S-link interface; audio output; 3 video outputs; 2 subwoofer outputs; headphone jack. Dolby Digital ready. 30 AM/FM presets; station naming; adjustable delay time; A/B speaker switch; preprogrammed universal A/V remote control with LCD readout; fluorescent display. FM: 50-dB quieting sens 38.3 dBf; alt-ch sel 60 dB; S/N 76 dB mono, 70 dB stereo; THD 0.5%. Black. 17 x 6 1/4 x 14 1/2 in; 27 lb . . . . \$480

#### STR-DE525 500-W A/V Receiver

5 channels. 100 W x 5 or 100 x 2 into 8 ohms. 4 au-

dio inputs; 2 video inputs; 6-channel input; 2 video outputs; wireless rear-speaker output; 2 subwoofer outputs; headphone jack. Dolby Digital ready; digital signal processor. 30 AM/FM presets; station naming; adjustable delay time; fluorescent display; A/B speaker switch; remote control. FM: 50-dB quieting sens 38.3 dBf; alt-ch sel 60 dB; S/N 76 dB mono, 70 dB stereo; THD 0.5%. Black. 17 x 6 1/4 x 14 1/2 in; 27 lb . . . . \$360

#### STR-DE425 400-W A/V Receiver

5 channels. 3 ambience modes. 100 W x 3 + 50 x 2 or 100 x 2 into 8 ohms. 3 audio inputs; 2 video inputs; 6-channel input; 2 video outputs; subwoofer output; headphone jack. Dolby Digital ready. A/B speaker switch; remote control with glow keys. FM: 50-dB quieting sens 38.3 dBf; alt-ch sel 60 dB; S/N 76 dB mono, 70 dB stereo; THD 0.5%. Black. 17 x 5 1/2 x 11 1/2 in; 17 lb . . . . \$300

#### STR-DE325 400-W A/V Receiver

4 channels. 3 ambience modes. 100 W x 4 or 100 x 2 into 8 ohms. 3 audio inputs; 2 video inputs; subwoofer output; headphone jack. 5-function input selector; 30 AM/FM presets; A/B speaker switch; fluorescent display; remote control with glow keys. FM: 50-dB quieting sens 38.3 dBf; alt-ch sel 60 dB; S/N 76 dB mono, 70 dB stereo; THD 0.5%. Black. 17 x 5 1/2 x 11 1/2 in; 17 lb . . . . \$250

#### STR-DE315 240-W A/V Receiver

4 channels. Dolby Pro Logic. 60 W x 4 into 8 ohms at 1 kHz with 0.8% THD. 4 audio inputs including phono; 2 video inputs; headphone jack; AC outlet. Discrete amplifier-output stage; motor-driven volume control. 30 AM/FM preset; bass boost; loudness and mute switches; A/V system remote. Amp: FR 10 Hz-50 kHz  $\pm 1$  dB line; S/N 70 dB. FM: 50-dB quieting sens 38.3 dBf. 17 x 5 1/2 x 11 1/2 in; 15 lb . . . . \$199

#### TEAC

##### AG-D9200 590-W A/V Receiver

5 channels. Dolby Pro Logic, Dolby 3 Stereo, Theater, and Hall modes. 130 W x 3 (front, center) from 20 Hz-20 kHz with 0.09% THD + 100 x 2 (surround) with 0.05% THD, all rms into 8 ohms. 4 audio inputs; 3 video inputs. Motor-driven volume control. 4-channel reference-level adjust function; 30 AM/FM presets; bass and treble controls; A/B speaker switch; sleep timer; remote control. Amp: S/N 70 dB. FM: 50-dB quieting sens 50 dB stereo; AM Re 55 dB; cap ratio 2.0 dB. Black. 17 1/2 x 6 1/2 x 13 1/2 in . . . . \$399

##### AG-380 32-W/ch Receiver

2 channels. 32 W x 2. 4 audio inputs. AM/FM quartz PLL-synthesized tuner. 24 AM/FM presets; auto/manual tuning; bass and treble controls; loudness button; LCD. Amp: S/N 80 dB. FM: 50-dB quieting sens 42 dBf; cap ratio 3 dB; S/N 65 dB mono, 62 dB stereo; THD 0.05%. Black. 17 1/2 x 5 1/4 x 13 1/2 in; 29 lb . . . . \$199

#### TECHNICS

The following 6-channel A/V receivers all feature enhanced Class H+ amplifier circuitry and include Dolby Pro Logic and Dolby 3 Stereo modes, 6-channel analog audio inputs for use with an external digital surround decoder, a quartz-locked digital frequency-synthesis AM/FM tuner, a keypad for direct station access, and a universal remote control.

##### SA-AX6 600-W A/V Receiver

6 channels. 100 W x 6 into 6 ohms from 20 Hz-20 kHz with 0.05% THD. 4 audio inputs; 5 video inputs; S-video output. Subwoofer-level control; cut-off frequency control; sound-field control; LED dis-

## INTRODUCING JVC'S XU-301BK 3CD/MiniDisc COMBINATION DECK



Tape? You're still using tape? Why? Now you can digitally record, edit, mix, insert, re-record, index, title, change pitch and add voice-overs with JVC.

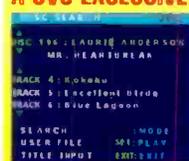
Our XU-301 combines a 3 CD Triple-Tray Changer together with MiniDisc Record/Playback for direct digital-to-digital recording. An array of programming features, along with the XU-301's exclusive pitch control and mic mixing, let you add your own personal touch to every MD compilation you create.

And JVC's exclusive TEXT COMPU LINK makes selecting the music you want to record simpler than ever.

Found only on JVC receivers (like the new RX-1024), TEXT COMPU LINK displays the title, artist, genres, etc. from text encoded CDs and MDs on your TV screen. For CDs that don't have text, the XU-301 remote has a "qwerty" style alpha numeric keyboard that makes it easy to input the data you want to catalog.

So stop holding your music together with tape. Enter the perfect world of digital recording with JVC's XU-301.

#### A JVC EXCLUSIVE



#### TEXT COMPU LINK

# JVC

1700 Valley Road, Wayne, NJ 07470 www.jvc.com

# Receivers

play. Amp: S/N 75 dB. FM: 50-dB quieting sens 38.3 dBf; AM Rej 50 dB; cap ratio 1.5 dB; alt-ch sel 65 dB; S/N 67 dB stereo; THD 0.3%. 17 x 6 1/4 x 15 in; 24 lb .....\$400

## SA-AX720 600-W A/V Receiver

6 channels. 100 W x 6 into 8 ohms from 20 Hz-20 kHz with 0.05% THD or 100 x 5 into 8 ohms at 1 kHz with 0.9% THD. 4 audio inputs; 5 video inputs; subwoofer output. Amp: S/N 75 dB. FM: 50-dB quieting sens 38.3 dBf; AM Rej 50 dB; cap ratio 1.5 dB; alt-ch sel 65 dB; S/N 67 dB stereo; THD 0.3%. 17 x 6 1/4 x 12 1/2 in; 25 lb .....\$350

## SA-AX920 600-W A/V Receiver

6 channels. 100 W x 6 into 8 ohms from 20 Hz-20 kHz with 0.05% THD. 4 audio inputs; 4 video inputs; Loudness control. Amp: S/N 75 dB. FM: 50-dB quieting sens 38.3 dBf; AM Rej 50 dB; cap ratio 1.5 dB; alt-ch sel 65 dB; S/N 67 dB stereo; THD 0.3%. 17 x 6 1/4 x 12 1/2 in; 25 lb .....\$350

## SA-EX320 320-W A/V Receiver

4 channels. Dolby Pro Logic and Dolby 3 Stereo modes. 80 W x 4 into 8 ohms from 40 Hz-20 kHz with 0.8% THD. 4 audio inputs; 2 video inputs; subwoofer output. Quartz-locked digital frequency-synthesis AM/FM tuner; keypad for direct station access; remote control. Amp: S/N 75 dB. FM: 50-dB quieting sens 38.3 dBf; cap ratio 1.5 dB; alt-ch sel 65 dB; S/N 67 dB stereo; THD 0.3%. 16 x 5 1/2 x 12 1/2 in; 19 lb .....\$200

## SA-EX110 100-W/ch Receiver

2 channels. 100 W x 2. 4 audio inputs; 1 video input. Quartz-locked digital frequency-synthesis tuner; 30 AM/FM presets; A/V remote control; A/B speaker switch. Amp: S/N 70 dB phono, 78 dB line. FM: 50-dB quieting sens 38.3 dBf; AM Rej 50 dB; cap ratio 1 dB; alt-ch sel 65 dB; S/N 75 dB mono, 70 dB stereo; THD 0.3%. 17 x 5 1/2 x 5 1/2 in; 34 lb .....\$180

## TOSHIBA

### XB1507 500-W Dolby Digital Receiver

5 channels. Dolby Pro Logic, Dolby Digital, and 5 ambience modes. 100 W x 5 or 100 x 2. AC-3 RF and coaxial digital inputs; front-panel A/V input; subwoofer and center-channel line-level outputs; composite-video output. Multiroom two-channel capability. Graphical front-panel display; loudness control; A/B speaker switch; preprogrammed/learning remote control .....\$999

## YAMAHA

### A/V Receivers

The following A/V receivers all include standard Dolby Pro Logic and feature a motor-driven volume control, 40 AM/FM presets, and a sleep timer.

### RX-V2092 550-W Dolby Digital Receiver

7 channels. Dolby Digital, Jazz, Rock Concert, Digital Theater, TV Sports, Concert Hall, Disco, Church, Stadium, Cinema, and Tri-field modes. 100 W x 5 from 20 Hz-20 kHz with 0.02% THD + 25 W x 2 (front effect) at 1 kHz with 0.05% THD. 5 A/V inputs with S-video connectors; front-panel aux inputs; 4 audio inputs; 6 line-level outputs; subwoofer output; line-level output/main input; banana-plug speaker terminals; 3 switched AC outlets. Multiroom capability. On-screen display; bass boost; main remote control with macro and learning capabilities; remote control for second room. Amp: S/N 96 dB. FM: 50-dB quieting sens 37.7 dBf; alt-ch sel 85 dB; S/N 80 dB mono, 75 dB stereo; THD 0.2%. Black. 17 1/2 x 6 3/4 x 18 1/2 in; 44 lb .....\$1,599

### RX-V992 400-W Dolby Digital Receiver

5 channels. Dolby Digital, Cinema modes. 80 W x 2 (front) from 20 Hz-20 kHz with 0.04% THD + 80 x 1 (center) from 20 Hz-20 kHz with 0.07% THD + 80 x 2 (surround) at 1 kHz with 0.3% THD. 5 A/V inputs with S-video connectors; optical and coaxial digital inputs; 5 audio inputs; 5 line-level outputs; subwoofer output; 3 switched AC outlets. On-screen

display; remote control with macro and learning capabilities. Amp: S/N 96 dB. FM: 50-dB quieting sens 37.7 dBf; alt-ch sel 85 dB; S/N 75 dB stereo; THD 0.2%. Black. 17 1/2 x 6 3/4 x 15 1/2 in; 30 lb .....\$999

### RX-V793 400-W Dolby Digital Receiver

5 channels. Dolby Digital, Enhanced Dolby Pro Logic, Concert Hall, Stadium, Disco, TV Sports, Hall, Rock Concert, Jazz Club, Church, and Tri-field Cinema modes. 80 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.04% THD. 4 A/V inputs with S-video connectors; subwoofer output; 2 switched AC outlets. On-screen display; learning remote control with macros. Amp: S/N 96 dB. FM: 50-dB quieting sens 37.7 dBf; alt-ch sel 85 dB; S/N 75 dB stereo; THD 0.2%. Black. 17 1/2 x 5 1/2 x 15 in; 27 lb .....\$799

### RX-V592 295-W A/V Receiver

5 channels. Enhanced Dolby Pro Logic, Stadium, Disco, Concert Hall, Rock Concert, Mono Movie, and Cinema modes. 75 W x 2 (front) from 20 Hz-20 kHz with 0.04% THD + 75 x 1 (center) at 1 kHz with 0.07% THD + 35 x 2 (surround) at 1 kHz with 0.3% THD, all rms into 8 ohms. 4 A/V inputs; 4 audio inputs; 2 switched AC outlets. Remote control with built-in macros and learning capability. Amp: S/N 96 dB. FM: 50-dB quieting sens 37.7 dBf; alt-ch sel 85 dB; S/N 80 dB mono. 75 dB stereo; THD 0.2%. Black. 17 1/2 x 6 x 15 in .....\$499

### RX-V493 250-W A/V Receiver

5 channels. Enhanced Dolby Pro Logic, Concert Hall, Rock Concert, Mono Movie, Disco, Stadium, and Concert Video modes. 70 W x 2 (front) from 20 Hz-20 kHz with 0.04% THD + 70 x 1 (center) at 1 kHz with 0.09% THD + 20 x 2 (surround) at 1 kHz with 0.7% THD, all rms into 8 ohms. 6-channel input; 4 audio and 3 A/V inputs. Dolby Digital ready; system remote control. Amp: S/N 96 dB. FM: 50-dB quieting sens 37.7 dBf; alt-ch sel 85 dB; S/N 80 dB mono, 75 dB stereo; THD 0.2%. 17 1/2 x 5 1/2 x 10 1/2 in .....\$399

### RX-V393 190-W A/V Receiver

5 channels. Enhanced Dolby Pro Logic, Disco, Concert Hall, Concert Video, Stadium, Mono Movie, and Rock Concert modes. 50 W x 2 (front) from 20 Hz-20 kHz with 0.04% THD + 50 x 1 (center) at 1 kHz with 0.09% THD + 20 x 2 (surround) at 1 kHz with 0.7% THD, all into 8 ohms. 6-channel input; 2 A/V inputs; 4 audio inputs; 2 switched AC outlets. Dolby Digital ready; remote control. Amp: S/N 96 dB. FM: 50-dB quieting sens 37.7 dBf; alt-ch sel 85 dB; S/N 80 dB mono, 75 dB stereo; THD 0.2%. Black. 17 1/2 x 5 1/2 x 10 1/2 in .....\$299

### Stereo Receivers

The following all have 40 AM/FM presets, infrared input and output ports, and a sleep timer.

### RX-770 85-W/ch Receiver

2 channels. 85 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.019% THD. 4 audio and 2 video inputs; 3-way binding posts; line-level output/main inputs for each channel. Direct-PLL IF-count synthesis tuning; source-direct mode. Variable loudness control; bass, treble, and balance controls; record-out selector; A/B speaker switching; signal-strength meter; remote control .....\$549

### RX-V596 80-W/ch Receiver

2 channels. 80 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.019% THD. 4 audio and 2 A/V inputs; 2-way speaker terminals. Direct PLL IF-count synthesizer tuning; anti-vibration construction. Record-out selector; A/B speaker switching; system remote control. 17 1/2 x 5 1/2 x 15 1/2 in .....\$399

### RX-495 75-W/ch Receiver

2 channels. 75 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.04% THD. 6 audio and 2 tape inputs; 2 switched AC outlets; headphone jack. Continuously variable loudness control; motor-driven volume control; bass, treble, and balance controls; auto station memory and preset editing. Amp: S/N 82 dB phono, 108 dB mono. FM: 50-dB quieting

sens 37.7 dBf stereo; alt-ch sel 85 dB; S/N 75 dB stereo. 17 1/2 x 5 1/2 x 11 1/2 in; 17 lb .....\$299

### RX-396 50-W/ch Receiver

2 channels. 50 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.04% THD. 5 audio inputs; 1 tape input; 2 switched AC outlets; banana-jack speaker terminals; headphone jack. Input selector; motor-driven volume control; direct PLL IF-count synthesizer tuning. Continuously variable loudness control; bass, treble, and balance controls; A/B speaker selector; 10-segment signal-strength meter. Amp: S/N 82 dB phono, 108 dB line. FM: 50-dB quieting sens 37.7 dBf stereo; alt-ch sel 85 dB; S/N 75 dB stereo. 17 1/2 x 5 1/2 x 11 1/2 in; 14 lb .....\$249

### Natural Sound Series

The following all feature direct-PLL IF-count frequency-synthesis tuning and include standard Dolby Pro Logic, 40 AM/FM presets, a motor-driven volume control, and a sleep timer.

### RX-V2095 250-W Dolby Digital/DTS Receiver

7 channels. DTS, Dolby Digital, Enhanced Dolby Pro Logic, Concert Hall, Church, Rock Concert, Jazz Club, Entertainment, Stadium modes. 100 W x 5 from 20 Hz-20 kHz with 0.02% THD + 25 x 2 (front effect) at 1 kHz with 0.05% THD, all into 8 ohms. 2 coaxial and 4 optical digital inputs; 6-channel input for outboard surround decoder; 5 A/V inputs with S-video connectors; 4 audio inputs; 5 line-level outputs; subwoofer output; 2 switched AC outlets, 1 unswitched. Multiroom capability. Balance control; record-out selector; mute, bass-boost, and subwoofer-level controls; on-screen menu; speaker A/B selector; remote control with macros and learning capability; test-tone generator. Amp: S/N 96 dB; ch sep 60 dB. FM: 50-dB quieting sens 37.7 dBf; AM Rej 55 dB; cap ratio 1.5 dB; alt-ch sel 85 dB; S/N 80 dB mono, 75 dB stereo; THD 0.2%. Black. 17 1/2 x 6 3/4 x 18 1/2 in; 44 lb .....\$1,599

### RX-V795 425-W Dolby Digital/DTS Receiver

5 channels. Dolby Digital, DTS, Concert Hall, Church, Rock Concert, Jazz Club, Disco modes. 85 W x 2 (front) from 20 Hz-20 kHz with 0.04% THD + 85 x 3 (center, surround) from 20 Hz-20 kHz with 0.07% THD, all into 8 ohms. 3 coaxial and 1 optical digital input; 6-channel input for external decoder; 4 A/V inputs with 2 S-video connectors; 4 audio inputs; 5 outputs; 2 switched AC outlets. Mute, bass-boost, and subwoofer-level controls; on-screen menu; A/B speaker selector; universal remote control. Amp: S/N 96 dB; ch sep 60 dB. FM: 50-dB quieting sens 37.7 dBf; AM Rej 55 dB; cap ratio 1.5 dB; alt-ch sel 85 dB; S/N 80 dB mono, 75 dB stereo; THD 0.2%. Black. 17 1/2 x 6 3/4 x 15 1/2 in; 26 lb .....\$799

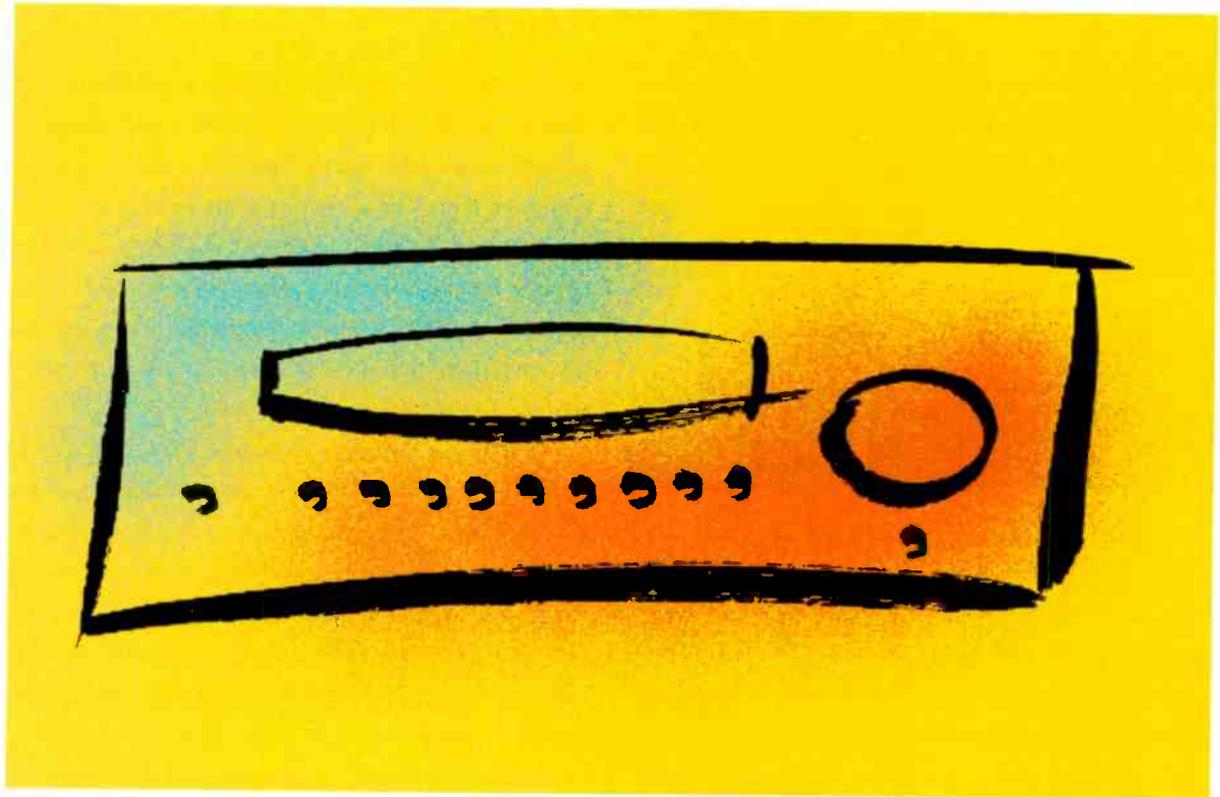
### RX-V595 350-W Dolby Digital Receiver

5 channels. Dolby Digital, Enhanced Dolby Digital, Enhanced Dolby Pro Logic, Concert Hall, Rock Concert, Disco, and 3 other modes. 70 W x 2 (front) with 0.04% THD + 70 x 3 (center, surround) with 0.07% THD, all into 8 ohms from 20 Hz-20 kHz. 2 coaxial and 1 optical digital input; 6-channel input; 4 A/V inputs with 2 S-video connectors; 4 audio inputs; 5 audio outputs; 2 switched AC outlets. 40 AM/FM presets; subwoofer-level control; speaker A/B switch; universal remote control. Amp: S/N 96 dB; ch sep 60 dB. FM: 50-dB quieting sens 37.7 dBf; AM Rej 55 dB; cap ratio 1.5 dB; alt-ch sel 85 dB; S/N 80 dB mono, 75 dB stereo; THD 0.2%. Black. 17 1/2 x 6 3/4 x 15 1/2 in; 26 lb .....\$499

### RX-V293 170-W A/V Receiver

4 channels. Dolby 3 Stereo, Rock Concert, and Concert Hall modes. 50 W x 2 (front) from 20 Hz-20 kHz with 0.04% THD + 50 x 1 (center) at 1 kHz with 0.04% THD + 20 x 1 (surround) at 1 kHz with 0.04% THD, all into 8 ohms. 2 A/V inputs; 4 audio inputs; 1 monitor output; 2 switched AC outlets. Balance control; test-tone generator; remote control. Amp: S/N 93 dB; ch sep 60 dB. FM: 50-dB quieting sens 37.7 dBf; AM Rej 55 dB; cap ratio 1.5 dB; alt-ch sel 85 dB; S/N 80 dB mono, 75 dB stereo; THD 0.2%. Black .....\$219

Nothing is more simple than greatness.  
— Ralph Waldo Emerson



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# Amplifiers

## *A quick guide to preamps, power amps, and integrated amplifiers*

Without an amplifier you would own the world's quietest audio system — so quiet you couldn't hear it at all. In its most basic form, an amplifier accomplishes the "heavy lifting" of an audio system. It takes a small electrical signal and makes it bigger. Just how big depends on the kind of an amplifier it is. Audio amplifiers



**PROTON AP-2000 PREAMPLIFIER**

fall into three categories: preamplifiers, which handle line-level signals, or bring low-level signals up to line level; power amplifiers, which boost signals to a level that can drive headphones and speakers; and integrated amplifiers, which combine preamp and power-amp functions in one component, considerably reducing the task of hooking up a system.

Designers can choose from a variety of possible amplifier operating modes, beginning with Class A (see Glossary, page 243) and going through Class H. To this alphabet soup, manufacturers add their own seasonings — circuit refinements denominated by "super," "plus," and whatever else they like. Most engineers and audiophiles agree that Class A operation produces the least distortion, but with a substantial penalty in terms of efficiency and cost. Most audio amps use a variation of Class AB, and a well-designed Class AB amplifier can sound as good as a pure Class A amp.

Many of the other classes, usually limited to the proprietary designs of certain manufacturers, can also sound very good. Class D denotes "digital" amplification, such as pulse-width modulation. Except for the amplifiers used in a few powered subwoofers, you won't find very many Class D home power amps, but several car power amps employ this design because of its very high efficiency. The way an engineer designs a circuit is every bit as important as its operating class.

Similarly, different kinds of devices can amplify a signal, from vacuum tubes to transistors. One of the hottest debate among

enthusiasts is whether tubes or transistors sound better and precisely which types of transistor are best. Thus, you'll see mention of MOSFETs and other specific types of output transistors in the power-amp listings. Keep in mind that the amplification device is not as important as the circuit design that employs it. Some amplifier output stages are built from discrete components (individual tubes, transistors, and so on), while others use integrated circuits. Again, the overall circuit design is more important than whether discrete or integrated devices are used.

In the days of the analog phonograph record, a preamp was essential. The minuscule output of a phono cartridge had to be boosted before it could drive a power amp, let alone a pair of headphones. Most other components, such as tape decks and CD players, contain their own internal preamps that boost their outputs to line-level. If desired, these could drive a power amp directly (albeit without control of volume) and probably even a pair of headphones.

However, in most systems the preamp does more than simply amplify very small signals. All the other components in a system send their audio signals to the preamp, which then allows you to select which one you wish to listen to. It also lets you adjust the volume and balance and, usually, select inputs and outputs for recording (tape loops and record loops). Depending on the manufacturer's design philosophy, the preamp may also provide tone controls and other signal-processing circuits. For example, an A/V preamp includes onboard surround-sound processing for both movies and music. It might even have a headphone jack.



**ADCOM GFA-5006 AMPLIFIER**

When choosing a preamp or integrated amplifier — especially if you're looking at A/V modes for use in a home-theater setup — be sure it has enough inputs and record loops to accommodate

not only the source components you currently own, but any you plan to add in the future.

The power amp, the muscle of the system, pumps up the signal enough to make your speakers sing. For all their brawn, power amplifiers can be delicate. Running an amp with a short circuit between the speaker terminals can wreak havoc. The better designed the amp, the less chance it will suffer catastrophic damage should something go awry. Home-amplifier power ratings are regulated by the Federal Trade Commission (FTC), so you can generally compare apples with apples. Surround-sound amplifiers sometimes fudge a bit by rating the front channels according to the FTC standard but using a slightly less stringent standard for the surround channels. For example, the distortion in the surround channels might be higher, or they may be rated at a single frequency (usually 1 kHz) rather than across the entire audio spectrum (20 Hz to 20 kHz).

Most manufacturers rate power into an 8-ohm load, the nominal impedance of many speakers, which range from over 8 ohms to as little as 2 ohms. Ideally, all amplifiers would produce considerably more power into lower impedances, which is why you may see an amplifier rated at 100 watts into 8 ohms also rated at

200 watts into 4 ohms. Some companies also rate "peak power," or how much power above its FTC rating the amplifier can momentarily deliver on musical peaks. Finally, some companies rate "dynamic headroom," in decibels. This gives a better idea of how



**MARANTZ PM-17 INTEGRATED AMPLIFIER**

much an amplifier can exceed its rated power because decibels relate more directly to perceived increases in output level (1 dB is OK, 3 dB is superb). Just as extra horsepower in a car will not necessarily make the car go faster, extra amplifier power will not necessarily make it play louder. It takes about a doubling in power to increase the maximum attainable level noticeably. But more power in reserve means less chance of "clipping" distortion on peaks, so it's a good idea to buy as much power as you can afford (as long as your speakers can handle it). —Rich Warren

## Preamplifiers

### ACCPHASE

#### DC-300 Digital Preamplifier

3 digital inputs and outputs including record loop; external processor loop. Digital level-attenuator with noise shaping; MMB-type D/A converter for 20-bit linearity; PLL circuit; DSP tone control. Remote control. THD 0.002%; S/N 122 dBA; max output 5 V rms. 19 x 5 1/2 x 16 in; 48 lb . . . \$16,500  
**AI-AD1.** Analog phono input . . . \$985  
**AO-B1.** Analog XLR output . . . \$795  
**AO-U1.** Unbalanced analog output . . . \$700  
**AI-B1.** Analog XLR input . . . \$595  
**AO1-U1.** RCA analog input and output . . . \$595  
**DIO-PRO1.** AES/EBU input and output . . . \$595  
**AI-U1.** Unbalanced analog input . . . \$505  
**DI-OC1.** Coaxial digital input and output . . . \$420  
**DI-ST1.** ST optical digital input . . . \$420  
**DI-BNC1.** BNC coaxial digital input . . . \$350

#### C-290 Preamplifier

XLR and RCA inputs and outputs; MM/MC phono input; 2 tape loops. Attenuator switch; switchable subsonic filter; output-phase and mono/stereo switches; tape-dubbing capability; balance control. FR 20 Hz-20 kHz  $\pm 0.2$  dB line; S/N 95 dB line. 19 x 6 x 16 1/4 in; 53 lb . . . \$14,895  
**AD-290.** Phono stage for above . . . \$3,495

#### C-275 Preamplifier

XLR and RCA inputs and outputs; headphone jack. Current feedback topology; dual mono construction; logic-control relays for short signal paths; dedicated headphone amplifier; switchable infrasonic filter. EQ gain selector; supplied remote command. 19 1/2 x 5 1/2 x 16 1/4 in; 43 lb . . . \$7,995  
**AD-275.** Phono stage for above . . . \$1,825

#### C-265 Preamplifier

6 line-level inputs; 2 XLR and 2 RCA outputs. Line-

amp with current feedback topology; balanced output stage with bridged feedback; logic-controlled relays for short signal paths. Remote control. THD 0.005%; S/N 106 dBA; max output 6 V rms. 19 x 6 x 16 in . . . \$5,200

#### C-250 Preamplifier

XLR and RCA inputs and outputs; headphone jack. Line-amp topology with bridged feedback; 2 sets of separately housed power transformers and filtering capacitors in dual-mono configuration; separate amp housings for left and right channels; logic-controlled relays; gold-plated glass-epoxy printed-circuit board; infrasonic filter; separate headphone amplifier; motor-driven mirror-finished volume control. Remote source switching and volume-level control; balance control. FR 20 Hz-20 kHz; THD 0.005%. 18 1/2 x 5 1/2 x 16 1/2 in; 30 lb . . . \$3,200  
**AD-250.** MM/MC phono EQ for the above. S/N 88 dB MM, 85 dB MC . . . \$535

### ACURUS

#### RL11 Preamplifier

2 tape outputs; 2 line-level outputs. Hand-crafted construction; pure-discrete Class A design; dual-mono DC power supplies; silver-to-silver switching contacts; 1% metal-film resistors; metallized polypropylene capacitors. Remote control with volume, balance, and mute controls. 19-in front panel optional. FR 20 Hz-20 kHz  $\pm 0.1$  dB; THD 0.05%; S/N 95 dBA. 17 x 3 1/2 x 8 in; 14 lb . . . \$799  
**LSII.** As above without remote control . . . \$649

#### P10 Phono Preamplifier

MM/MC input. Full Class A design without integrated circuits; dual-mono DC power supply; 2-sided military-spec glass-epoxy circuit board; 1% metal-film resistors; metallized polypropylene ca-

pacitors; steel chassis. 3 selectable gains; 6 selectable MC input impedances. 19-in front panel optional. S/N 80 dBA MM. 17 x 3 x 8 in . . . \$395

### ADCOM

#### GTP-740 A/V Preamplifier/Tuner

Dolby Digital, Dolby Pro Logic, Cinema, Hall, Stadium, Jazz Club, and 5-Channel Stereo modes. CD, tape, DVD, digital-aux, digital-RF, laserdisc, VCR, and video-aux inputs; VCR, tape, second room, left, right, center, left surround, right surround, and 2 subwoofers outputs; infrared rear-panel input. Class A output stage; digital bass management; 20-bit D/A and A/D converters; 20-bit filters; 24-bit DSP. Ball system video routing; learning remote control. 17 x 4 x 12 in . . . \$1,750

#### GFP-750 Preamplifier

5 high-level RCA inputs; 1 high-level XLR input; 1 each XLR and RCA outputs; tape and processor loops. MOSFET design; discrete Class A circuits; double-copper-plated glass-epoxy printed circuit board. Remote control for volume, balance, and input select . . . \$1,250

#### GTP-600 A/V Preamplifier/Tuner

Dolby Pro Logic, Cinema augmentation of Dolby Pro Logic and other surround modes. 4 line-level inputs; 4 composite/S-video inputs; 2 monitor outputs; subwoofer output; gold-plated RCA connectors. Variable surround-channel delay up to 100 ms; on-screen display; learning remote control. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.005%; S/N 100 dB. 17 x 4 1/4 x 12 3/4 in; 17 lb . . . \$1,100

#### GFP-710 Preamplifier

CD, tuner, tape, and video/aux inputs; MM phono input; external processor loop; main output. Class A

# Preamplifiers

design; motor-driven volume control. Tone defeat; remote control. FR 5 Hz-100 kHz  $\pm 0.5$  dB; THD 0.007%; S/N 95 dB. 17 x 3 $\frac{1}{2}$  x 12 in; 15 lb . . . \$600

## GTP-450 Preamp/Tuner

5 line-level inputs; signal-processor loop. Quartz-referenced digital tuner; motor-driven volume control. 14 AM/FM presets; remote control. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.0075%; S/N 95 dB. 17 x 3 $\frac{1}{4}$  x 12 $\frac{1}{4}$  in; 14 lb . . . \$500

**GTP-350.** As above without motor-driven volume and remote control. No processor loop. With selectable listen and record-outputs . . . \$400

## A/D/S/

### SC4 4-Zone Preamp

8 A/V inputs. 4 stereo zones digitally controlled from remote-located control panels (CP8); source control from control panels; fully programmable; door bell/phone-activated muting; expandable to 24 rooms. FR 20 Hz-20 kHz  $\pm 0.5$  dB . . . \$2,500

## AESTHETIX

### Callisto Line Stage Tube Preamp

6 line-level inputs; XLR and RCA inputs and outputs. 14 tubes. 4 gang-XLR discrete-stepped volume controls. 80 lb . . . \$8,000

### lo Phono Stage Tube Preamp

RCA or XLR inputs and outputs. Dual-mono design; chassis; 22 tubes. Adjustable gain; adjustable input impedance. 80 lb . . . \$5,000

## AIR TIGHT

### ATE-2 Phono Preamp

2 phono and 2 aux inputs; 2 phono EQ outputs; buffered and unbuffered outputs. High-output power supply; point-to-point wiring; high-grade volume potentiometer. Brushed aluminum. 15 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 13 in; 27 lb . . . \$6,000

### ATC-2 Tube Preamp

5 line-level inputs; 2 line-level outputs; 2 tape loops. One 12AX7 and two 12AU7 vacuum tubes. FR 5 Hz-100 kHz  $\pm 1$  dB; THD 0.01%; S/N 90 dBA . . . \$5,395  
As above with high-quality potentiometer . . . \$6,395

### ATC-1 Tube Preamp

Phono and line-level inputs. Two 12AX7 vacuum tubes; Class B power supply; no printed circuit boards; OFC wiring; extruded-aluminum front-panel. THD 0.05% phono, 0.02% line; S/N 85 dBA phono, 98 dBA line . . . \$3,695

### ATL-10A Preamp

3 inputs and one output. 6N copper wiring; point-to-point wiring. Remote control. Brushed aluminum. 12 $\frac{1}{2}$  x 4 x 9 $\frac{1}{4}$  in . . . \$1,800  
As above with high-quality potentiometer . . . \$2,800

## AMC

### CVT 1030a Tube Preamp

4 RCA line-level inputs; 1 XLR line-level input; 2 line-level outputs; tape output; headphone jack. Class A design; regulated power supplies; fiberglass circuit boards. Tape monitor switch; power switch and indicator; phones/normal/direct switch. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.03%; S/N 79 dB phono, 96 dB line; max output 22 V rms. Black. 17 x 5 x 13 in; 19 lb . . . \$850  
**CVT 1030.** As above with 5 RCA line-level inputs; no XLR line-level input. 17 x 5 x 13 in; 19 lb . . . \$700  
**MD1403.** XLR output . . . \$275  
Tube sockets for CVT 1030a . . . \$100

### AV81HT A/V Preamp

Dolby Pro Logic and ambience modes. 4 audio inputs; 4 A/V composite inputs; calibration mic input; 2 buffered audio-tape outputs; 2 buffered A/V record outputs; buffered video output; front, center, and surround left and right outputs; subwoofer output; headphone jack. Class AB; subwoofer

crossover 80 Hz low-pass and high-pass main left and right outputs; upgradable to THX. Center-channel mode switch; surround delay 15, 20, 25, 30 ms; built-in Dolby calibration system with mic; front-panel display; 6 manual output controls for front, surround, center, and subwoofer; tone-control bypass switch; record output selector; subwoofer high-pass output switch; shorting plugs; power switch; remote control. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.01%; S/N 95 dB; max output 12 V rms. Black. 17 x 3 $\frac{1}{2}$  x 13 in; 15 lb . . . \$800  
**AV81HTC.]** As above with front-panel input and surround mode selectors . . . \$850  
**AV81HT THX.** THX-certified version of AV81HT with DSP for Dolby Pro Logic and THX modes; no ambience modes . . . \$1,200

### AV81C A/V Preamp

4 A/V inputs; 2 A/V record-outputs; video output; buffered output; processor loop; headphone output jack. Class AB output. Separate record-output selector; input LED indicator; front-panel input selector; bass and treble; remote control. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.01%; S/N 95 dB; max output 12 V rms. Black. 17 x 3 $\frac{1}{2}$  x 13 in; 15 lb . . . \$569

## AMERICAN HYBRID TECHNOLOGY

### AHT/L Nonsignature Preamp

4 audio inputs; 1 output. Class A design. FR 1 Hz-1000 kHz  $\pm 0.1$  dB; THD 0.00015%; S/N 100 dB; max output 20 V rms. Polished-brass faceplate. 5-yr warranty. 19 x 3 $\frac{1}{2}$  x 10 in . . . \$8,000

### AHT/P Nonsignature Phono Preamp

Teflon PC board; solid-state circuitry; dual-mono external supply. Includes MC phono stage. FR 1 Hz-60 kHz  $\pm 0.05$  dB; THD 0.0015%; S/N 98 dB; max output 20 V rms . . . \$5,750

### AHT/P Preamp

Solid-state circuitry; external power supply; DC coupled. FR 1 Hz-50 kHz  $\pm 0.1$  dB; THD 0.0015%; S/N 98 dB; max output 15 V rms . . . \$2,700

**AHT/P DM.** As above with dual-mono power supply . . . \$3,500

**AHT/H.** Line-level version of AHT/P . . . \$3,500

## ANTHEM

### PRE-2L Tube Preamp

CD, tuner, tape monitor, SSP input, and 2 aux inputs; tape output; 2 preamp outputs; front-panel headphone jack. Vacuum-tube line stage; built-in headphone amp; selectable 8-, 16-, or 24-dB gain stage. Remote volume control, muting, and SSP functions. FR 2 Hz-130 kHz  $\pm 0.5$  dB; THD 0.15%; S/N 90 dB; max output 30 V rms. Black or silver. 19 x 5 $\frac{1}{4}$  x 11 in; 18 lb . . . \$1,299

### PRE 1L Tube Preamp

4 line-level inputs; 2 line-level outputs; tape-monitor loop; headphone jack. Vacuum-tube signal path; switchable 4-, 8-, or 16-dB gain; built-in headphone amp. Volume, balance, and input selector controls; tape monitor switch; mute and mono/stereo switch. FR 2 Hz-130 kHz  $\pm 0.5$  dB; THD 0.1%; S/N 90 dBA; max output 30 V rms. Silver or black. Limited 5-yr, tubes 1-yr warranty. 19 x 5 $\frac{1}{4}$  x 11 in; 20 lb . . . \$999

### PRE 1P Tube Preamp

Phono input; line-level output. Vacuum-tube phono and gain stages; 48-dB gain. Power and mute switch. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.15%; S/N 80 dBA; max output 1 V rms. Silver or black. 5-yr parts-and-labor warranty. 19 x 5 $\frac{1}{4}$  x 11 in; 18 lb . . . \$899

## ARAGON

### Model 28K Preamp

6 inputs; 2 line-level outputs; 2 tape outputs; gold-plated connectors. Hand-crafted fully-discrete Class A design; toroidal power supply; dual-

mono DC supply rails; direct-coupled output; single switch contact in signal path; gain stage with no output capacitors; discrete-transistor regulation for each channel; military-spec glass-epoxy circuit board; OFC for signal-path and ground plane; Teflon-dielectric wire between connectors and circuit board; matched signal path transistors; epoxy-dipped military-spec RN60D resistors; silver switch contacts. Remote volume and balance controls; separate listen and record switches. FR 20 Hz-20 kHz  $\pm 0.1$  dB; THD 0.04%; S/N 100 dBA; max output 8 V. 19 x 3 $\frac{1}{2}$  x 11 in; 20 lb . . . \$1,199

### Model 47K Phono Preamp

External dual-mono DC power supply; fully discrete Class A design; epoxy-sealed resistors; matched transistors; dual-sided glass-epoxy circuit board; OFC board tracings. No front-panel switches or gain controls; no power switch; internal gain load-impedance adjustments via gold-to-gold shorting bars. FR 20 Hz-20 kHz  $\pm 0.3$  dB; S/N 86 dBA MM; max output 10 V. 19 x 2 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in; 18 lb . . . \$595

## ARCAM

### Alpha 9 Preamp

Line-level inputs; tape loops; switchable line-level zone outputs; preamp outputs. Separate listen and record selectors. Charcoal finish. 17 x 12 x 4 in; 10 lb . . . \$799

## ART AUDIO

### VP-1 Tube Preamp

Phono input; 2 tape loops; 2 audio outputs. Chrome and gold finish . . . \$2,195  
As above with chrome or black finish . . . \$1,795

### VPL Tube Preamp

2 tape loops; 2 audio outputs. FR 20 Hz-20 kHz . . . \$1,795  
As above with chrome or black finish . . . \$1,495

## AUDIO ADVANCEMENTS

### PreMax Tube Preamp

4 inputs; 2 outputs. MM or MC input optional. THD 0.01%; S/N 90 dB line. 17 $\frac{1}{2}$  x 4 $\frac{1}{4}$  x 13 $\frac{1}{4}$  in; 27 lb . . . \$3,250  
As above, MC phono input. S/N 69 dB MC . . . \$5,250  
As above, MM phono input. S/N 75 dB . . . \$4,250

## AUDIO BY VAN ALSTINE

### FET-Valve EC Tube Preamp

Phono inputs; 7 line-level inputs; 2 tape loops; signal-processor loop; head-phone jack. Hybrid vacuum-tube/MOSFET design; voltage- and current-overload protection; toroidal transformer; regulated power supplies. Bass, treble, and balance controls. Black anodized faceplate. 17 x 3 $\frac{1}{2}$  x 13 in . . . \$1,279

### Super Pas 4i SL Tube Preamp

Phono inputs; 5 line-level inputs; 2 tape loops; headphone jack. Straight-line vacuum-tube voltage-gain circuits; solid-state current drivers; toroidal transformer; regulated power supplies. Balance control. Black anodized faceplate. 12 x 3 $\frac{1}{2}$  x 9 in . . . \$709  
Kit version of above . . . \$569

### Omega III SL Preamp

6 line-level inputs; 2 tape loops; headphone jack. Regulated power supplies. Balance control. Black anodized faceplate. 12 x 3 $\frac{1}{2}$  x 9 in . . . \$449  
As above, 1 phono and 5 line-level inputs . . . \$539  
Kit version with 6 line-level inputs . . . \$349

## AUDIO ELECTRONICS

### AE-1 Preamp

Gold-plated Teflon inserts. 6SN7 line driver; Dual-Mono design; Class A Triode circuits; one chassis.

# We've got rhythm.

# We've got music.

"Rotel's products, at all prices, are so impressive that it is safe to think of Rotel as a gold standard against which we can confidently measure the industry's performance as a whole."

Audio  
Adventure  
Magazine

Thanks Gershwin.

George and Ira Gershwin were a prolific team who wrote some of America's best loved music. *Lady be Good*, *Rhapsody in Blue*, and *I've Got Rhythm* among countless others. Inspired, provocative music that became repertoire standards due to their beautiful melodies and unforgettable lyrics.

At Rotel, we also know about establishing standards. For nearly forty years our engineers have worked to develop hi-fi components to bring your favorite artists to life. We do it by manufacturing our own custom transformers and shopping the world for premium components from world-class manufacturers. We assemble them in our own ISO9002 certified factory, and finally, we listen. If it moves our feet, we know it will move yours.



Rotel's RTC940 Stereo FM Tuner/Preamp with Remote and RB981 130watt/Channel Power Amplifier

Rhythm and music. Who could ask for anything more?  
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AUDIO ADVENTURE'S MANUFACTURER OF THE YEAR

# Preamplifiers



AudioSource PreAmp/Tuner Two preamplifier

S/N 88 dB. 14 x 6 x 10 in; 15 lb .....\$849  
Kit version of above .....\$599

## AE-2 Phono Preamplifier

Line-level inputs; phono input. Single-ended MOS-FET line stage with phono section. FR 10 Hz-85 kHz  $\pm 0.75$  dB; S/N 88 dB. 15 x 3 1/4 x 12 in; 9 lb ...\$499

## PH-1 Phono Preamplifier

MM phono input. Direct-coupled circuitry; single-ended Class A design. S/N 76 dB. 7 x 5 x 10 in; 10 lb .....\$499

## AUDIOLAB

### Model 8000Q Preamplifier

6 line-level inputs and 3 tape loops; 2 low-source-imp preamp outputs; headphone jack; remote control. DC-coupled Class A design; microprocessor control; switchable gain; auto muting. FR 10 Hz-20 kHz  $\pm 0.2$  dB; THD 0.007%; S/N 97 dB. 17 1/2 x 3 x 13 in; 15 lb .....\$1,395

### Model 8000PPA Phono Preamplifier

MM/MC input. Dual-mono design with independent left and right grounds; DC coupled; microprocessor-controlled DC-servo feedback system; dynamic infrasonic filter; auto muting. FR 10 Hz-20 kHz  $\pm 0.2$  dB. 17 1/2 x 3 x 13 in; 13 lb .....\$1,295

### Model 8000C MKII Preamplifier

6 line-level inputs and 3 tape loops; MM and MC phono inputs; 2-low source-imp preamp outputs; headphone jack. Class A operation. Separate listen and record selectors; defeatable phase-compensated tone controls; mute switch. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.01%; S/N 81 dB MM, 77 dB MC, 92 dB line. 17 1/2 x 3 x 13 in; 13 lb .....\$795

## AUDIO NOTE

### M3-Phono Tube Preamplifier

2 RCA outputs. Tube-rectified choke-filtered power supply; silver wiring. 66 lb .....\$9,000

### M3-Line Tube Preamplifier

Aux, tuner, and CD Inputs; 2 RCA outputs. Tube-rectified choke-filtered power supply; silver wiring. 59 lb .....\$5,995

### M2-Phono Tube Preamplifier

Aux, CD, tuner, and phono inputs; 2 outputs. 12AX7, 6922, and 6SN7 triode tubes; tube-rectified choke-filtered power supply; no negative feedback; silver wiring. Feedback switch. 22 lb .....\$2,995

### M2-Line Tube Preamplifier

Tuner, aux, and CD outputs; 2 outputs. 6SN7 triode; tube-rectified choke-filtered power supply; no negative feedback; silver wiring. Feedback switch. 20 lb .....\$1,995

### M1-Phono Tube Preamplifier

Aux, tuner, CD, and phono inputs; 2 outputs. 12AX7, 6922, 6SN7 tubes; no negative feedback; passive RIAA EQ. Feedback switch. 20 lb ...\$1,295

### M1-Line Tube Preamplifier

Aux, tuner, and CD inputs; two outputs. 6SN7 tri-

ode tube; no negative feedback; paper-in-oll capacitors. Feedback switch. 18 lb .....\$995

## AUDIOPRISM

### Avanti Dual Mono Reference Tube Preamplifier

5 inputs; switched tape outputs. Dual-mono Class A design with separate external inductor power supply for each channel. FR 5 Hz-100 kHz  $\pm 0.3$  dB; THD 0.1%; S/N 90 dB. Black-aluminum or silver-anodized faceplate and cover with black-aluminum anodized chassis. Preamp: 17 x 12 1/2 x 4 in. Each power supply: 9 1/4 x 12 1/2 x 4 in .....\$8,295  
As above with champagne-gold faceplate and cover .....\$7,995  
Silver coin stepped attenuators with Vishay resistors .....\$2,500

### Mantissa Vacuum Tube Preamplifier

5 inputs; 2 parallel outputs; switchable tape output; Teflon insulated RCA input/output jacks. Class A topology; OFHC-copper internal wiring; 1%-metal film resistors; isolation mounted, heavy-epoxy circuit board; hand-selected ECC88 input/gain and 5814 driver tubes; external, fully-regulated FET-controlled power supply; regulated filament supply; power-line filtering technology. L/R ladder-type stepped attenuator volume controls. FR 5 Hz-100 kHz  $\pm 0.3$  dB; THD 0.1%; S/N 90 dB. Aluminum-black anodized chassis with brushed-champagne gold, silver or black anodized finish on faceplate and top cover. Preamp: 4 x 17 x 12 1/2 in. Power supply: 3 x 5 x 10 1/2 in .....\$1,995  
**Mantissa Silver Signature Vacuum.** As above with Kimber solid-silver internal wiring; Kimber RCA connectors; MIT tin foil capacitors; Caddock and Holco precision metal film resistors; copious damping; 3/4-in faceplate .....\$3,995  
**MFM1000 Power Supply.** Plug-and-play replacement for Mantissa and Silver Signature preamp standard power supplies. Low-noise dual-choke filter with separate filament transformer and increased capacitance. Increases bass impact and resolution. 9 1/4 x 12 1/2 x 4 in; 18 lb .....\$1,000  
**MFM-1000-R Reference Power Supply.** As above with reference supplies added inside the Silver Signature and larger connector. Increases bass impact, low-level resolution, and sound staging. 9 1/4 x 12 1/2 x 4 in; 19 lb .....\$1,500

## AUDIO RESEARCH

### Reference 1 Tube Preamplifier

8 switchable XLR/RCA inputs; record-output; 2 main switchable XLR/RCA outputs. Eight 6922 tubes. Full-function remote control. 19 x 7 x 15 1/2 in; 30 lb .....\$8,495

### LS10 Preamplifier

6 inputs; tape output; 2 main outputs. Programmable full-function remote control. Natural or black-anodized brushed-aluminum front panel. 19 x 5 1/4 x 15 in; 23 lb .....\$5,495

### LS25 Tube Preamplifier

8 inputs; 2 main outputs; tape output. Remote control. Natural, gray, or black-anodized brushed-aluminum front panel. 3-yr warranty. 19 x 5 1/4 x 11 1/2 in; 18 lb .....\$4,995

## LS15 Tube Preamplifier

2 XLR and 5 RCA inputs including tape monitor; 2 XLR and 5 RCA outputs including record-out. Four 6922 tubes. Full-function remote control. 19 x 5 1/4 x 10 1/2 in; 12 lb .....\$2,995

## PH3SE Phono Tube Preamplifier

RCA inputs and outputs. 6922/E88CC dual triodes with JFET input. Mute switch. Natural, gray, or black-anodized brushed-aluminum front panel. 3-yr warranty. 19 x 5 1/4 x 10 1/2 in; 11 lb .....\$2,495

## LS9 Preamplifier

2 XLR and 4 RCA inputs; 1 RCA and 2 XLR main outputs. Full-function remote control. FR 20 Hz-30 kHz  $\pm 0.5$  dB. Natural, gray, or black-anodized brushed-aluminum front panel. 19 x 3 1/2 x 11 in; 11 lb .....\$1,995

## LS8 Tube Preamplifier

5 inputs; tape output. Natural, gray, or black-anodized brushed-aluminum front panel. 3-yr warranty. 19 x 5 1/4 x 10 1/2 in; 10 lb .....\$1,495

## PH3 Tube Phono Preamplifier

MM/MC input; gold-plated RCA inputs and outputs. Hybrid tube/solid-state design with three 6922/E88cc dual triodes; regulated power supply. Mute switch. 9 lb .....\$1,495

## AUDIOSOURCE

### PreAmp/Tuner Two Preamplifier/Tuner

6 inputs; 2 outputs. Video switching; remote switching; 18 station random preset; full function remote control .....\$499

## PRE One Preamplifier

6 inputs; 2 main outputs; MC phono input. Digital input switching; FET inputs; bass-EQ circuitry; infrasonic filter. Bass, midrange, and treble controls; tape-dubbing capability. S/N 85 dB MM, 70 dB MC, 100 dB line. 16 1/2 x 2 3/4 x 11 1/2 in; 8 lb ...\$230

## AUDIO SYNTHESIS

### Passion Preamplifier

Line-level inputs; tape loop. FR 1 Hz-200 kHz; THD 0.0002% .....\$1,295  
Pro Passion. As above without tape loop ...\$995

## AUDIRE

### Diffet 5 Preamplifier

2 XLR line-level inputs; dual XLR outputs. Dual-mono construction; differential FET input stage; DC coupled; separate regulated power supplies. Separate volume controls. FR 1 Hz-750 kHz; S/N 96 dB. 19 x 3 1/2 x 7 1/2 in .....\$2,500

### Nuance Phono Preamplifier

XLR inputs for MC and MM cartridges with XLR output. Separate MM/MC phono inputs; dual-mono construction with separate regulated power supplies. FR MC 1 Hz-1,000 kHz, 10 Hz-70 kHz MM RIAA; S/N MC 98 dB, MM 96 dB. 19 x 3 1/2 x 7 1/2 in .....\$2,500

## Andante Preamplifier

5 line-level input; separate MM/MC phono inputs; 2 tape loops; 2 line-level outputs; 4 switched and 4 unswitched AC outlets. Dual-mono design with separate circuit boards, controls, and regulated power supplies for each channel; Class A circuitry in push-pull topology; direct coupling for all stages; dual matched FETs for input stages. Bass, treble, volume, and source-select controls for each channel; tone defeat/bypass .....\$1,903

## Diffet 3 Preamplifier

5 line-level inputs; MC phono input; 2 tape loops; 2 line-level outputs. Differential FETs in input stages; DC coupling; no capacitors in signal path; regulated power supply. FR 5 Hz-100 kHz  $\pm 0.25$  dB; S/N 86 dB phono, 94 dB line. 19 x 2 1/4 x 7 1/2 in ...\$1,147  
As above, no MC stage. 19 x 2 1/4 x 7 1/2 in ...\$1,000

# Preamplifiers

## Legato Preamplifier

5 line-level inputs; MM phono input; 2 tape loops; 2 line-level outputs. Polypropylene and polystyrene capacitors; metal-film resistors; regulated power supply; DC-coupled stages; no capacitors in signal path; no internal wiring. FR 5 Hz-100 kHz  $\pm 0.25$  dB line; S/N 75 dBA phono, 90 dB line. 19 x 2 1/4 x 7 1/2 in .....\$587

## B&K COMPONENTS

### Reference 20 Preamplifier/Processor/Tuner

Dolby Digital, DTS, Dolby Pro Logic, and ambience modes. 7 line-level inputs; 6 coaxial digital and 5 optical inputs; 3 line-level outputs; 8 surround outputs; system remote-control outputs. Dual Motorola 56009 24-bit DSP processors. On-screen display; 20-memory recall presets with user programmable names; programmable learning remote control. FR 5 Hz-150 kHz  $\pm 3$  dB; THD 0.02%; S/N 89 dB; max output 9 V rms. FM: 50-dB quieting sens 35 dB; cap ratio 2 dB; alt-ch sel 65 dB; S/N 70 dB; THD 0.25%. 5-yr warranty. 17 x 4 x 12 in; 20 lb .....\$2,500  
**Reference 10.** As above, DTS upgradable .....\$2,000  
 DTS upgrade .....\$500

## BEL CANTO DESIGN

### SEP1 Tube Preamplifier

2 RCA and 2 XLR inputs; RCA pass-through input; tape loop; RCA output; XLR output. Class A; single-ended triode; no negative feedback. Remote volume, balance, input selection, mute, and standby controls. Internal digital-to-analog converter and phono stage optional. FR 2 Hz-200 kHz  $\pm 3$  dB; THD 0.05%; S/N 90 dB; max output 15 V rms. Black anodized or silver. 3-yr warranty. 17 1/2 x 3 3/4 x 14 in; 19 lb .....\$3,500

### SEP2 Tube Preamplifier

4 RCA inputs; tape loop; 2 RCA outputs. Class A; single-ended triode; no negative feedback. Remote volume, balance, input selection, standby, and mute controls. Internal digital-to-analog converter and phono stage optional. FR 2 Hz-200 kHz  $\pm 3$  dB; THD 0.05%; S/N 90 dB; max output 15 V rms. Black anodized or silver. 3-yr warranty. 17 1/2 x 3 3/4 x 14 in; 18 lb .....\$2,250

**Solid P1.** As above without RCA outputs. Max output 10 V rms. Black or silver. 17 1/2 x 3 x 12 in; 15 lb .....\$1,750

### Tosca Preamplifier

XLR inputs and outputs. FR 1 Hz-100 kHz  $\pm 0$ , -0.5 dB; THD 0.01% .....\$1,590

### Fidello Preamplifier

XLR inputs and outputs. FR 1 Hz-100 kHz  $\pm 0$ , -0.5 dB; THD 0.01% .....\$1,290

## BENZ MICRO

### Lukaschek PP-1 Phono Preamplifier

2 MC RCA inputs; 2 line-level RCA outputs; ground terminal. 2 transistors in each amplifier stage; double-sided glass-epoxy circuit board; matched bipolar transistors; 1% metal-film resistors; tantalum and 1%-polystyrene capacitors; 10-Hz infrasonic filter between input stage and RIAA EQ. Turn-on mute; LED indicator. S/N 82 dBA .....\$1,350

## BLUE CIRCLE

### BC3 Despina Tube Preamplifier

6 inputs; 3 outputs. Vacuum-tube design. Includes BCG3 outboard power supply. Various solid-wood knobs optional. FR 10 Hz-25 kHz  $\pm 0$  dB, -0.2 dB. Stainless-steel preamp; powder-coat black-finish power supply. 3-yr parts-and-labor warranty. Preamp: 17 1/2 x 5 1/2 x 14 1/2 in; 34 lb. Power supply: 5 1/2 x 3 1/4 x 8 1/4 in; 3 lb .....\$3,300

**BC3 Galatea.** Upgrade for BC3 Despina. Stainless-steel finish for preamp and power supply. Preamp: 17 1/2 x 5 1/2 x 14 1/2 in; 34 lb. Power supply: 6 x 5 1/2 x 14 1/2 in; 16 lb .....\$4,650  
**BC3000.** As above, 38 lb .....\$6,250

## BOULDER

### Model 2010 Preamplifier

Six XLR inputs (adapters convert to RCA inputs); 2 XLR outputs; 2 XLR tape outputs; optical connections between digital and audio sections. Four chassis: left audio, right audio, digital control, and power supply; 18 discrete gain stages. 100-dB attenuator in 0.1-dB steps; large LED readout; remote control .....\$34,000

### L5AE Preamplifier

Two XLR and 6 RCA inputs; XLR and RCA outputs. Hand-built gain stages. FR 20 Hz-20 kHz  $\pm 0.05$  dB; THD 0.005% at 20 kHz. 17 x 4 3/4 x 15 1/2 in; 12 lb .....\$3,995

### L3AE Preamplifier

XLR and RCA outputs. Hand-built gain stages; MC phono stage. FR 20 Hz-20 kHz  $\pm 0.05$  dB; THD 0.005% at 20 kHz .....\$3,775

## BRYSTON

*The following carry a 20-year warranty.*

### BP-25MC Preamplifier

2 XLR inputs; 5 RCA inputs; 2 RCA outputs; XLR tape output and processor loops; MC phono input. Remote control with phase, volume, mute controls. FR 20 Hz-20 kHz; THD 0.0025%. 19 x 1 1/4 x 11 in .....\$2,995

**BP-25P.** As above, MM phono stage only .....\$2,395

**BP-25.** As BP-25MC, no phono stage .....\$1,995

**BP-20.** As BP-25, without remote phase, volume, or mute controls .....\$1,495

**BP-1.** MM phono stage for BP-20. XLR and RCA outputs .....\$750

### BP-5 Preamplifier

Phono input; 3 line-level inputs; XLR output; tape and processor loops. 2-stage phono section; no internal wiring with components plugging directly into boards; volume control laser-trimmed to 0.25-dB accuracy. FR 22 Hz-20 kHz; THD 0.005%; S/N 80 dBA phono, 95 dBA line. 19 x 1 1/4 x 8 in .....\$1,065

**BP-4.** As above without phono stage .....\$965

## CARVER

### CT-25.1 A/V Preamplifier/Tuner

Dolby Pro Logic, Hall, and Stadium modes. 3 audio inputs; 2 A/V inputs; 5 RCA inputs for external digital processor; composite-video output. Surround field expansion. Remote control; 5 RCA inputs to connect an external Dolby Digital processor with level controls for each channel. FR 20 Hz-20 kHz  $\pm 0.5$  dB. FM: S/N 80/75 dB; THD 0.40%. 19 x 4 1/2 x 13 1/2 in; 12 lb .....\$600

### CT-24 Preamplifier/Tuner

7 audio inputs; 3 composite-video inputs; coaxial CATV FM input. 30 AM/FM presets; remote control. FR 20 Hz-20 kHz  $\pm 0.5$  dB; S/N 78 dBA phono. FM: 50-dB quieting sens 39.2 dB stereo; S/N 68 dB stereo. 19 x 4 1/2 x 15 in; 12 lb .....\$449

## CARY AUDIO DESIGN

### SLP-98P Tube Preamplifier

MM phono input; gold-plated inputs and outputs with Teflon inserts. Pure Class A triode circuitry; outboard power supply; hand-wired with EE Teflon silver wire; two 6SN7 buffer cathode follower tubes; two 6SN7 line stage tubes; two 12AU7 phono section output buffer tubes; two 12AX7 phono section tubes. S/N 88 dB. 12 1/2 x 5 x 12 in; 22 lb .....\$2,995

**SLP-98L.** As above without phono input .....\$2,595

24K gold-plated faceplate and knobs .....\$599

Remote volume control .....\$499

### PH-301 Tube Phono Preamplifier

MM/MC phono input. Two 12AU7 tubes for the MC head amp; two 12AX7 tubes for the RIAA EQ curve and gain stage; 12AU7 tube for the low impedance output buffer; EI-laminated transformer

enclosed in outboard power supply; 1% metal-film resistors direct-coupled single-ended Class A circuitry; chrome-plated stainless-steel chassis. S/N 76 dB. Black-anodized faceplate. 7 1/2 x 3 x 13 in; 16 lb .....\$1,795  
**PH-301MM.** MM version of PH-301 .....\$1,195

### SLP-74P Tube Preamplifier

4 line-level inputs; MM phono input; 2 outputs; tape loop. Single-ended pure Class A circuitry; outboard power supply; double-sided plated through printed circuit board; polypropylene capacitors; 1% metal-film resistors; two 12AU7 input and gain tubes; two 12AT7 output-buffer tubes; two 12AX7 tubes; epoxy-coated aluminum chassis. FR 9 Hz-260 kHz  $\pm 0.5$  dB. Black-anodized faceplate. 17 x 3 x 10 in; 15 lb .....\$1,795

Remote volume control .....\$499

### SLP-50 Tube Preamplifier

3 line-level inputs. Anode current source Class A circuitry; two 12AU7 line drivers; EI-laminated power transformer; point-to-point wiring; chrome-plated chassis .....\$1,295

Remote volume control .....\$499

## CELLO

### Encore Line Preamplifier

1 XLR and 4 RCA inputs; 1 XLR and 2 RCA outputs; 2 RCA record outputs. External power supply; 2 power-supply regulators. Tape-monitor, L/R-gain, and output-level controls. FR 20 Hz-20 kHz  $\pm 0.25$  dB; THD 0.01%. Preamp: 19 x 4 x 14 in; 14 lb. Power supply: 8 1/2 x 3 1/2 x 13 in; 9 lb .....\$10,000

MC phono module .....\$4,000

### Palette Preamplifier

5 line-level inputs; 2 tape outputs; 1 XLR and 2 RCA outputs. 6 tone controls. THD 0.005%; S/N 80 dB. Preamp: 19 x 7 1/2 x 13 in; 21 lb. Power supply: 6 x 3 1/2 x 12 in; 8 lb .....\$8,500

Phono module for above .....\$4,000

## Audio Suite

*Audio Suite is a modular system built around an open-architecture mainframe that accepts up to 10 slide-in vertical modules.*

**P101.** MC phono input .....\$4,500

**P301.** Premium output .....\$4,500

**Master Power Supply.** .....\$3,500

**P100HG.** High-gain MM phono input .....\$3,400

**P100.** MM phono input .....\$3,200

**Mainframe Chassis.** 19 x 9 x 13 in .....\$3,000

**P201.** Premium output .....\$3,000

**P200.** Input .....\$2,500

**B301.** Basic output .....\$2,300

**B102.** Basic phono output .....\$1,900

**B200.** Basic RCA line-level input .....\$1,500

## CHORD

*The following have a black and silver finish and carry a 5-year warranty.*

### CPA 4000 Preamplifier

2 RCA tape inputs; 2 XLR outputs; RCA output. Volume and balance manually or remote controlled; LED indicator; display volume control; digital indicator. FR 2.5 Hz-200 kHz  $\pm 3$  dB; S/N 93 dB; max output 12 V rms balanced. 16 1/2 x 5 x 14 in; 31 lb .....\$10,000

### CPA 3200 Preamplifier

XLR/RCA inputs; 2 XLR outputs; RCA output; 2 RCA tape outputs. Visual display system. FR 2.5 Hz-200 kHz  $\pm 3$  dB; S/N 93 dB; max output 12 V rms balanced. 16 1/2 x 5 x 14 in .....\$5,750

### CPA 2800 Preamplifier

XLR inputs; 2 RCA outputs; 4 phono inputs. Volume and balance adjustable via remote control with digital display. FR 2.5 Hz-200 kHz  $\pm 3$  dB; S/N 93 dB; max output 12 V rms balanced. 12 x 5 x 12 1/2 in; 15 lb .....\$5,250

# Preamplifiers

## CPA 2200 Preamplifier

1 video, 1 tuner, 2 tape, and 2 CD inputs; 2 RCA tape outputs; 1 RCA main output; 2 XLR outputs. Volume and balance adjustable manually or via remote control. FR 2.5 Hz-200 kHz  $\pm 3$  dB; S/N 93 dB; max output 15.6 V rms balanced. 16½ x 3½ x 14 in .....\$3,900

## CPA 1800 Preamplifier

4 inputs; 2 record inputs; 2 record outputs; XLR and RCA outputs. 2 input selector buses. FR 2.5 Hz-200 kHz  $\pm 3$  dB; S/N 93 dB; max output 15.6 V rms balanced. 12 x 3½ x 14 in .....\$2,900

## CINEPRO

### DTC-1 Digital Preamplifier/Processor

Dolby Digital, DTS, Dolby Pro Logic, Hall, and HD-CD modes. 6 digital inputs (Toslink and coaxial); 2 digital outputs; 6 analog outputs. Auto digital input sense; 20-bit D/A conversion for all channels; high-current Class A output stage. Front-panel motor-driven rotary knobs control with LED pointers control digital functions; full-function infrared remote control. FR 1 Hz-100 kHz; THD 0.005%; S/N 118 dB; max output 8 V rms. Gray-black front panel. 3-yr parts-and-labor warranty. 19 x 6 x 14 in; 24 lb .....\$3,495

### LC-1 Preamplifier

7 RCA line-level inputs; 4 RCA line-level outputs; 2 tape outputs; 2 gold-plated XLR outputs. Pure Class A discrete circuitry; laser-trimmed volume potentiometer; sealed silver-plated selector switches. Separate record-out selector switches. FR 2 Hz-400 kHz; THD 0.005%; S/N 110 dB; max output 25 V rms. Black anodized-aluminum front panel. 3-yr warranty. 19 x 3½ x 10 in; 15 lb .....\$795  
As above with balanced outputs .....\$920

## CITATION

### Model 5.0 A/V Dolby Digital Preamplifier/Processor

Dolby Digital, Dolby Pro Logic, 6-Axis Surround, Rock, Classical and Stereo modes. 6 analog stereo inputs; 6 digital inputs; 6 composite-video inputs; 2 S-video inputs; main room audio outputs; record 2nd-zone output. Electronic crossover; dual-drive dipole-surround outputs; pure analog stereo bypass; analog sources processed in analog domain; digital sources processed in digital domain. Two trigger outputs. Includes infrared remote control. THD 0.05%. Anodized-aluminum front panel. 5-yr warranty. 17½ x 4½ x 15½ in; 16 lb .....\$3,350  
As above with DTS decoder .....\$3,650

## CLASSE

### SSP-50 Dolby Digital/DTS Preamplifier

Dolby Digital, DTS, Dolby Pro Logic, Stereo HDCD, Stereo Digital, Stereo Analog, Stereo Surround, and Mono modes. 6 A/V inputs/outputs; 5 audio inputs/outputs; discrete 2nd-zone infrared remote-control jacks. 20-bit D/A converters; toroidal transformer; 10 discrete voltage-regulation stages. Multipath A/V switching; independent A/V selection for main, remote, and record; on-screen display; independent analog input and output level adjustments; subwoofer crossover and level controls; remote control .....\$6,500

### CP-60 Preamplifier

2 XLR inputs; 4 RCA inputs; tape input; surround input; XLR output; RCA output; tape output; surround output. External power supply; special surround loop circuitry to be used with external surround processor. Full-feature remote control. FR 20 Hz-20 kHz; THD 0.007%; S/N 100 dB; max

output 42 V rms. Black or silver faceplates. 5-yr warranty. 19 x 14¼ x 3¼ in; 30 lb .....\$3,695  
**CP-50.** As above without external power supply. 19 x 14¼ x 3¼ in; 20 lb .....\$2,695  
Internal MM/MC phono stage for either above model .....\$500

### SSP-25 A/V Preamplifier/Processor

Dolby Digital, DTS, Dolby Pro Logic, and Stereo Surround modes. 1 Toslink and 8 coaxial digital inputs; 1 XLR and 6 RCA analog inputs; 4 composite- and 4 S-video inputs; 6 RCA and 2 XLR main outputs; record output; composite- and S-video outputs; composite- and S-video record outputs; RS-232 control Interface. Front-panel setup menu; full-function remote control. RF demodulator optional. 5-yr warranty .....\$3,000

### CP-45 Preamplifier

XLR input; 4 RCA inputs; tape loop; XLR output; RCA output. Remote control of volume and muting. FR 20 Hz-20 kHz; THD 0.007%; S/N 100 dB; max output 28 V rms. Black or silver faceplates. 5-yr warranty. 19 x 12¼ x 3 in; 19 lb .....\$1,795  
MC/MM internal phono stage for above .....\$200

### CP-35 Preamplifier

XLR input/output; 4 RCA inputs; RCA output; tape input/output. Full-function remote control; front-panel display. MM/MC phono board optional. FR 20 Hz-20 kHz  $-0.1$  dB; THD 0.050%; S/N 95 dB; max output 24 V rms. Black or silver faceplates. 5-yr warranty. 19 x 10¼ x 2½ in; 11 lb .....\$1,095  
Phono card .....\$200

## CODA

### FET-01 Preamplifier

Phono and line-level inputs; XLR and RCA out-

*World Class Power Conditioning, Power Distribution and Sequencing Units and edge-of-the-art AC Line Balancing Products. Perfect for the finest commercial venues and equally suited for use in today's home audio and theater suites.*



**PowerPRO 10 \$1095**

generates audible hum in your sound system due to the electromagnetic radiation.

The PowerPRO 10 and PowerPRO 20 convert this unbalanced AC condition to fully balanced (+60, -60 volts) split phase power. This power is recognized by the NEC (article 530) as "technical power". Hum is virtually eliminated. The residual noise floor vanishes!

Sound becomes noticeably more three dimensional and transparent, due to a noise reduction of up to 15 dB (that's 60 times lower). Video projectors and monitors have more contrast, and deeper, truer color rendition. In addition to supplying balanced power, the PowerPRO units feature full line conditioning and electronic and passive surge protection. The PowerPRO 10 is rated 10 amps and is suitable for most two-channel and small home theater systems. The PowerPRO 20 with a whopping 2400 watt capability is design for large, audiophile quality home theater systems.



**PowerPRO 20 \$1795**

### Balancing Act

The 120 volt AC power coming out of your wall socket and feeding your sensitive equipment is unbalanced. One blade is neutral (ground) and the other blade is 120 volts AC. This unbalanced condition

## CINEPRO The Experience

### Ever wonder why for no apparent reason, your system sounds better on some days than others?

The line voltage coming out of your wall socket is supposed to be 117 volts. But, variations can occur. Large variation. Since you your equipment was designed to operate at 117 volts, some days your music sounds wonderful and some days it sounds downright awful.

The solution – The Cinepro Power Supply II and III. These units supply all your components with exactly 117 volts – all the time, regardless of what's coming out of your wall. The result – optimal performance from your sound system, day in and day out.



**Power Supply II \$749**



**Power Supply III \$1199**

*Proudly hand-made in the USA by the Cinepro/Furman Group.*

# Preamplifiers

puts. All-FET voltage gain; no overall feedback; regulated power supply with EMI and RFI filters and toroidal transformer; double-sided gold-plated circuit boards; anodized chassis. Separate listen and record selectors. 10-yr warranty. 19 x 1 1/4 x 9 3/4 in . . . . . \$2,950  
**FET-02.** As above without phono stage . . . \$1,950

## FET-04R Preampifier

XLR input; 3 RCA inputs; XLR and RCA outputs; tape loop; processor loop. FET differential voltage gain; single-ended no feedback MOSFET follower; Class A circuitry; precision-ladder attenuator network. Universal remote control. FR 5 Hz-100 kHz  $\pm 0.3$  dB; THD 0.1%; S/N 100 dB; max output 5 V rms. Anodized brushed aluminum. Limited 10-yr warranty. 19 x 1 1/4 x 9 3/4 in; 14 lb . . . . . \$2,750

## CONRAD-JOHNSON

### Premiere 16/LS Tube Preampifier

Composite triode circuit with zero feedback. 99-step volume and balance control; full-function remote control. FR 2 Hz-100 kHz +0, -3 dB; THD 0.2%; S/N 96 dB. 3-yr warranty. 19 x 3 1/2 x 15 1/4 in . . . . . \$7,995

### Premier Fourteen Tube Preampifier

Line-level inputs. All-tube zero-feedback audio circuitry; separate discrete regulated solid-state power supplies for each channel; regulated filament supply; polypropylene and polystyrene capacitors; laser-trimmed metal-foil resistors. Level and balance control in 1-dB steps; remote control. FR 2 Hz-100 kHz; THD 1% at 1-V output. 19 x 15 1/4 x 3 3/4 in . . . . . \$4,395

### PFR Preampifier

7 line-level inputs including two tape/processor

loops. Zero-feedback audio circuitry with FET; discrete regulated power supply; polypropylene and polystyrene capacitors; metal-film resistors. Remote control. FR 2 Hz-100 kHz; THD 0.1%. 19 x 14 1/4 x 3 3/4 in; 15 lb . . . . . \$2,795

## PV12A Tube Preampifier

Phono and line-level inputs; 2 tape loops. Cathode-follower outputs and solid-state voltage regulator designed for minimal AC imp; regulated-filament power supplies; audio circuits with 1% tolerance; military-spec deposited tin-oxide resistors; polystyrene capacitors. Auto turn-on/off mute. FR 2 Hz-100 kHz; THD 0.5%. 19 x 14 1/4 x 3 3/4 in; 15 lb . . . . . \$2,595  
**PV12AL.** As above without phono stage . . . \$1,995

## EF1 Phono Preampifier

Differential input. All-FET zero-feedback audio circuitry with passive RIAA EQ; discrete regulated power supplies; polypropylene and polystyrene capacitors; metal-film resistors. Selectable gain of 40, 46, or 52 dB. 19 x 3 3/4 x 14 3/4 in; 14 lb . . . \$1,995

## PF2 Preampifier

Phono and line-level inputs; 2 tape loops. All-FET design with zero-feedback distortion-canceling circuitry; polypropylene and polystyrene capacitors; metal-film resistors. FR 2 Hz-100 kHz; THD 0.1%. 19 x 3 3/4 x 14 3/4 in; 15 lb . . . . . \$1,895  
**PF2L.** As above without phono stage . . . \$1,495

## PV10A Tube Preampifier

5 line-level inputs; phono input; tape loop. Zero-feedback circuitry in phono and line stages; 5 vacuum tubes; discrete regulated power supply with polypropylene and polystyrene capacitors. THD 0.1%. 16 x 3 3/4 x 11 in . . . . . \$1,495  
**PV10AL.** As above without phono stage . . . \$1,195

## CONTINUUM

### Continuum Audio Window Preampifier

5 XLR inputs; separate tape-monitor and processor loops. Regulated power supply with 14,000- $\mu$ F capacitance and AC, EMI, and RF line filtering; FET input with bipolar current gain; double-sided glass-epoxy circuit boards. Dual-function optical level control; remote control. FR 5 Hz-200 kHz -3 dB; THD 0.01%; S/N 100 dBA. 5-yr limited warranty. 17 x 2 1/2 x 10 in . . . . . \$1,595

## CREEK

### P52R Preampifier

6 inputs; 2 outputs. Remote controlled with motor-driven switching. Black. 16 1/2 x 2 x 11 in; 10 lb \$895  
 MM special-edition board . . . . . \$95  
 MC board . . . . . \$95  
 MM board . . . . . \$60

### OBH-12 Passive Remote Preampifier

3 inputs (1 tape loop). Remote control . . . . . \$325

### OBH-9 Phono Preampifier

MC input. Single-ended Class A gain stage; all passive EQ; zero feedback; power supply in separate molded plug; upgradable power supply. FR 20 Hz-20 kHz  $\pm 0.25$  dB; THD 0.01%; S/N 79 dB. 4 x 4 x 2 1/2 in . . . . . \$249  
**OBH-8.** As above, MM input. S/N 85 dB . . . \$199  
**OBH-8SE.** As above with upgraded parts, and gold connectors; OBH-2 regulated power supply . . \$325

## DB SYSTEMS

### DB-1B Preampifier

4 line-level inputs; phono input; 2 buffered tape outputs; 2 main outputs; gold-plated connectors. Cascade amplifiers; diode input protection; vol-

## Professional Surge Protection, AC Conditioning, Lighting and Control for Your Entire System

The new PowerLight 1800 is the perfect compliment State-of-the-Art power control with advanced line conditioning, the PowerLight 1800 also provides comprehensive passive and electronic surge protection - 720 joules of surge protection, the highest in the industry - protecting your components from damage caused by electrical spikes, surges - even lightning. Additional TV cable connectors provide filtering and spike protection for your video gear. Here's how the PowerLight 1800 powers and protects your system:

Four of the PowerLight 1800's AC outlets are unswitched, providing clean, pure power at all times when the incoming voltage is within proper operating range. The other four outlets are switched, so that they can be turned on by the PowerLight 1800 or with your audio receivers' wireless remote control. Two of the PowerLight 1800's switched outlets are delayed, so annoying "pops" - which are potentially destructive - are eliminated by turning on sensitive components before the amplifiers are switched on. The sequence is reversed when the PowerLight 1800 is turned off. Also switched are two special digital isolated outlets for your DVD or CD player further reduce digital noise. The result - cleaner, smoother more realistic sound.

### See the Light!

With the PowerLight 1800, you can operate your system even in a dark room, change DVDs, adjust controls - whatever. The light tubes turn on when you pull them out, and swivel to illuminate your component's faceplates. A dimmer control lets you adjust the brightness, and the lights automatically turn off when the tubes are pushed back. Perfect for Home Theater Systems  
 The PowerLight 1800 is a necessary component for any stereo or home theater system - affording surge protection, convenience, and most of all, a noticeable improvement in sound and video quality. Try one today!



PowerLight 1800 \$349

Visit your local dealer to personally appreciate THE CINEPRO EXPERIENCE.

If no dealer is in your area, we'd be happy to FedEx a product to your door or a 30-day no-risk audition.

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 For more information 415.564.6300

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The Experience...Power. Performance. Value

# Preamplifiers

ume control with  $\pm 1$ -dB tracking over 70-dB range. Switchable high-pass filter at 5 kHz or 10 kHz; balance- and tape-monitor controls. Includes DB-2A power supply. FR 20 Hz-20 kHz  $\pm 0.04$  dB phono, 10 Hz-20 kHz  $\pm 0.25$  dB line; THD 0.0008% at 1 kHz. Solid-oak cabinet. 5-yr warranty . . . \$850  
**DB-1A.** As above without gold-plated connectors, oak cabinet, or  $\pm 1$ -dB volume tracking . . . \$615

## DB-1B-HL Preamplifier

5 line-level inputs; gold-plated connectors. Loudness switch. Includes DB-2A power supply. FR 10 Hz-50 kHz  $\pm 0.1$  dB. Oak cabinet . . . \$710  
**DB-1A-HL.** As above with gold-plated connectors, loudness switch, and oak cabinet optional . . . \$475

## DB-4B Phono Preamplifier

MC input; gold-plated connectors. Powered via DB system preamp, crossover, EQ, or optional DB-2A power supply. Cascade amplifiers; diode input protection. FR 10 Hz-100 kHz  $\pm 0.1$  dB; THD 0.0008% at 1 kHz. 5-yr warranty. 6 1/2 x 4 1/2 x 2 1/2 in . . . \$235  
 As above with DB-2A power supply . . . \$360

## DB-8 Phono Preamplifier

MM phono input; gold-plated connectors. Separate wall-mount DC supply. FR 20 Hz-20 kHz  $\pm 0.04$  dB; THD 0.001% at 1 kHz. 6 1/2 x 4 1/2 x 2 1/2 in . . . \$150  
**DB-8-78.** For 78s & LPs . . . \$225  
**DB-8HG.** As above with MC phono input. THD 0.002% from 20 Hz-20 kHz . . . \$175  
**DB-12.** Infrasonic filter 18 dB per octave; Noise -123 dB . . . \$150  
**DB-2A.** High-voltage power supply . . . \$165

## DENNESEN

### JC80 MkII Mono Preamplifier

MM/MC/line-level input. External power supply; polarity inversion with Input-imp adjustment. XLR output optional . . . \$6,500  
**JS90.** As above, no phono stage . . . \$3,200

## DENON

### AVP-8000 THX 5.1 Dolby Digital Preamp/Tuner

Dolby Digital, Dolby Pro Logic, THX 5.1-channel and 4-channel Home Cinema, and 8 additional surround modes. 9 analog and 4 digital audio inputs; 6 S-video and 6 composite-video inputs; 4 S-video and 5 composite-video outputs; 6 line-level outputs; 4 audio record outputs; 1 digital audio record output; A/V output for multiroom installations. RDS reception/text display; 32 tuner-presets; icon-based on-screen displays; programmable remote control. FR 10 Hz-100 kHz  $\pm 0.1$  dB; S/N 105 dB; max output 8 V rms. Black front panel, chassis cover. 17 1/2 x 6 1/2 x 15 1/2 in; 30 lb . . . \$3,500

## DPA DIGITAL

### DSP 200SD Preamplifier

MM or MC phono input. Phono stage. Gain and impedance switches . . . \$995

### DSP 200S Preamplifier

5 line-level inputs; selectable record tape outputs; 2 line-level inputs. Class A output stage; RF noise filter . . . \$895

## EDGE

### T-3 Tube Preamplifier

Single-ended triode. FR 5 Hz-80 kHz; THD 0.5%; max output 15 V rms. 3-yr warranty . . . \$3,050

### Si-1 Preamplifier

RCA inputs and outputs. FR 2 Hz-100 kHz; THD 0.005%; max output 15 V rms . . . \$2,150

## ENLIGHTENED AUDIO DESIGNS

### Theatre Master Signature Dolby Digital/DTS Preamplifier/Processor

Dolby Digital, DTS, Dolby Pro Logic, Stereo, and Matrix modes. 4 coaxial, 1 Toslink, and 1 ST glass

digital inputs; 6 analog audio inputs; RS-232 control; dual XLR outputs. HDCD decoder; 20-bit D/A and A/D converters. Auto setup. Includes backlit touch-screen LCD universal remote. 17 x 4 1/2 x 10 1/2 in; 30 lb . . . \$5,995

**Theater Master Ovation.** As above, 3 analog audio inputs; 3 composite-video, and 3 S-video inputs. Upgradable internal components . . . \$3,995  
**Theater Master Encore.** As above without HDCD decoder or XLR outputs . . . \$2,495

## EXPRESSIVE TECHNOLOGIES

### Model 1 Tube Preamplifier

MM phono input; CD, tuner, video, and 2 tape inputs; 1 main output; 2 record outputs. Passive RIAA EQ; zero feedback. Volume control with 1-dB steps. FR 20 Hz-20 kHz  $\pm 0.1$  dB; max output 10 V rms. 19 x 10 x 13 in; 85 lb . . . \$9,500

### SU-1 Phono Preamplifier

MC input. Step-up transformer. FR 0.7 Hz-150 kHz  $\pm 0.1$  dB; S/N 100 dB. 19 x 5 1/2 x 8 1/4 in; 35 lb \$3,500

## GOLDEN THEATER

### GTx-1 Preamplifier/Processor

Dolby Digital, DTS, Dolby Pro Logic modes. 8 analog and 5 digital inputs; 2 Toslink inputs; 5 composite- and 5 S-video inputs; 1 tape loop; 2 A/V processor loops; 6-channel output; RS-232 port; gold-plated connectors throughout. LCD display; all functions can be accessed from front panel and remote control; universal remote control. Black brush-aluminum front panel. 12 1/2 x 6 1/2 x 17 in; 25 lb . . . \$1,995

## GOLDEN TUBE AUDIO

### LP-1 Preamplifier

Gold-plated RCA inputs; gold-plated ground post; high-current solid-state pure Class A output. Low-noise solid-state amplification; all polypropylene capacitors; selectable gain. External charger power supply; intelligent battery micro-computer charger controlling charge and discharge cycles; user-replaceable Ni-Cd battery. S/N 75 dB, 70 dB. Gold/Black anodize 3/8-inch thick front panel. 3-yr warranty. 8 1/2 x 2 1/2 x 10 in; 8 lb . . . \$395

## HARMAN KARDON

### Signature Series 2.0 Dolby Digital Preamplifier/Tuner

Dolby Digital, Dolby Pro Logic, Mono Plus, Stereo, and 2 ambience modes. 6 analog inputs; 4 coaxial and 2 optical digital inputs; 5.1-channel direct-RCA inputs; 6 composite-video and 2 S-video inputs; RS-232 input. RDS tuner. On-screen displays; record-out switch; quick-on function; infrared repeater function; user profiles for each input; remote control. FR 10 Hz-50 kHz  $\pm 0.1$  dB; THD 0.03%; S/N 85 dB; max output 4 V rms. FM: 50-dB quieting sens 45 dB; AM rej 50 dB; cap ratio 1.5 dB; alt-ch sel 50 dB; S/N 70 dB; THD 0.5%. Black anodized aluminum. 17 1/2 x 4 x 14 1/2 in; 19 lb . . . \$2,499

### PT 2500 A/V Preamplifier/Tuner

Dolby Pro Logic, Dolby 3 Stereo, Theater, and Hall modes. 5 audio inputs with tape monitor; 4 video inputs with VCR dubbing capability; subwoofer outputs. Analog surround decoding; 30-preset AM/FM tuner. Remote trigger output; system remote control; pure signal bypass control; infrared repeater function. FR 5 Hz-110 kHz  $\pm 0.1$  dB; THD 0.02%; S/N 95 dB. FM: 50-dB quieting sens 45 dB; AM rej 55 dB; cap ratio 1.5 dB; adj-ch sel 5 dB; alt-ch sel 65 dB; S/N 74 dB; THD 0.5%. Matte black. 17 1/2 x 6 1/2 x 16 1/2 in; 17 lb . . . \$529

## HARMONIC PRECISION

### HP-1 Preamplifier

5 line-stage inputs; phono input; tape loop; 2 main outputs. Class A operation; low-noise power supply; auto slew-rate-adjustment optimization cir-

cuit; ultra linear mode. On/off pushbutton; single dual-gang volume control. FR 4 Hz-100 kHz; THD 0.009%; S/N 90 dB; max output 8 V rms. Black-anodized face, black-wrinkle chassis. 17 x 3 1/2 x 10 1/2 in; 9 lb . . . \$895

## JBL

### SDP-2 Dolby Digital Preamplifier

Dolby Digital, DTS, Dolby Pro Logic, and 15 ambience modes. 8 analog audio inputs; 4 digital audio inputs; 5 video inputs; 7 main outputs. THX-certified. Bass, treble, and loudness controls; on-screen and front-panel displays; remote control. Includes rack-mount kit and SDP-RFD RF demodulator. STC-1 touch-screen remote control optional. FR 10 Hz-20 kHz; THD 0.01% . . . \$6,000  
**STC-1.** Infrared wireless touch-screen remote control for above. Preprogrammed to operate all JBL synthesis THX powered home-theater speaker systems. Universal learning remote with 500 button max, 23 user-defined pages, 100 user-defined macros of up to 24 steps each. Archiving and design software optional . . . \$2,500

## JEFF ROWLAND DESIGN GROUP

### Cohesence Series II Preamplifier

7 XLR inputs; 2 XLR tape/record outputs; 2 XLR outputs. Separate DC power supply; solid-aluminum chassis; microprocessor control. Selectable gain and input impedance for each source; memory for all operation modes; numerical display for volume level; remote control. 83 lb . . . \$14,500  
**Synergy Series II.** As above, 5 XLR inputs; XLR main and tape/record outputs. Separate power supply . . . \$5,500

## JOULE ELECTRA

### LA-100 Tube Preamplifier

4 inputs including tape; dual outputs; tape loop. All-tube design with separate tube-regulated B+ supplies for each channel; separate regulated DC filament supplies; DC coupling to phono stage; point-to-point wiring in signal board. Separate volume controls outside of signal path; adjustable bias for gain stage; auto and manual mute; LED indicator; remote volume control. Gold and black acrylic. 17 x 12 x 5 1/2 in; 20 lb . . . \$3,495  
**LAP-100.** As above with all tube phono stage and outboard power supply. Selectable MM and MC input; volume remote control . . . \$5,495

### OPS-1 Phono Preamplifier

Selectable MM/MC inputs. Full Class A all-tube design; 36-dB MC and 62-dB MM gain stages. 17 x 5 x 10 in; 15 lb . . . \$1,995  
 Remote volume control . . . \$650

## JRM ENGINEERING

### JRM Preamplifier

MM and MC phono inputs; 8 line-level inputs. Polypropylene capacitors; gold-plated electromechanical devices; 2-stage RIAA EQ with  $\pm 0.1$ -dB conformity; 18-dB infrasonic filter; 10 W x 2 head-phone amp. Separate input selectors for main, record, and out. FR 0 Hz-50 kHz  $\pm 1$  dB; THD 0.001%; S/N 76 dB MC, 87 dB MM; max output 7 V rms. 19 x 2 1/2 x 8 1/2 in . . . \$1,710

## KAB ELECTRO ACOUSTICS

### Souvenir EQS Phono/Line Preamplifier

Phono and line-level inputs; line-level output. Single-ended Class A polar stable gain stages including line stage. 5 EQ curves; mono blend and line-level controls. FR 20 Hz-20 kHz; THD 0.07%; S/N 79 dB; max output 5 V rms. Black finish. 12 x 2 x 6 in; 5 lb . . . \$600

## KENWOOD

### KC-Z1 THX Dolby Digital Preamplifier/Tuner

Dolby Digital, Dolby Pro Logic, 5.1 THX Home

# Preamplifiers

Cinema and Dolby 3 Stereo modes. 7 video inputs; line-level outputs for left, right, center and subwoofer; S-Video connectors; 3 switched AC outlets. THX-certified; quartz synthesis tuner; 20-bit D/A converter; THX subwoofer crossover. 18-bit digital delay variable in 1-ms increments; direct access tuning; mono/stereo listening modes; audio muting; auto-function one-touch operation. Includes antenna, system control cable, and batteries .....\$2,800

## KINERGETICS

### R-2.8 THX Dolby Digital Preamplifier/Processor/Tuner

Dolby Digital, DTS, and Dolby Pro Logic modes. 11 analog audio inputs; 4 coaxial and 2 Toslink digital inputs; 6-channel XLR output; composite-, component-, RGB-, and S-video outputs. THX-certified; auto-sensing Dolby Digital/DTS switching; converts any input video format into any other for output; multiroom capability. Video switching. Black anodized. 3-yr parts-and-labor warranty. 17 1/4 x 7 1/2 x 16 1/2 in; 40 lb .....\$6,500  
2nd-zone remote control for above .....\$60

### KSP-3 Digital A/V Preamplifier

7 audio and 6 video inputs; 2 RCA and one Toslink digital inputs. Passive switching; four 20-bit D/A converters. Remote control .....\$2,995  
As above, without D/A conversion or digital switching .....\$1,995

### KPA-3 Preamplifier

7 line-level inputs; tape and processor loops; XLR and RCA outputs. Class A hybrid circuitry; JFET/bipolar design. 17 1/4 x 2 x 13 1/2 in .....\$1,795

## KRELL

### KPS-25s Preamplifier

XLR input; 4 RCA inputs; 2 XLR outputs; 3 RCA outputs. FR 0.1 Hz-1,000 kHz +0, -3 dB; THD 0.005%; S/N 97 dB; max output 13 V rms. 19 x 15 1/2 x 15 in; 55 lb .....\$20,000

### Audio + Video Standard Preamplifier/Processor

DTS, Dolby Pro Logic, Mono, and Music surround modes. XLR input; 6 RCA inputs; 2 coaxial, 1 AES/EBU, 2 Toslink, 1 RF digital inputs; 4 S-video, 4 composite-video, and 1 BNC-video inputs; 9 XLR and 9 RCA outputs; 3 S-video, 3 composite-video, 1 and BNC-video outputs; coaxial and Toslink digital outputs. Remote control. 19 x 6 3/4 x 17 in; 24 lb .....\$12,800

### KRC-HR Preamplifier

2 XLR and 4 RCA inputs; tape loop; XLR and RCA outputs. Class A design; outboard power supply. Allows setting of one input to unity gain; remote control. 5-yr warranty. 19 x 2 1/2 x 15 in; 21 lb\$6,900  
Reference phono board .....\$1,250  
Standard phono board .....\$650

### KRC-3 Preamplifier

1 XLR and 3 RCA inputs; tape loop; XLR and RCA outputs. Class A design; current mode gain. Allows setting of one input to unity gain; remote control. 5-yr warranty. 19 x 3 1/2 x 15 1/2 in; 22 lb .....\$3,200  
**KAV-250p.** As above, two 12-V trigger outputs allow setting of one input to unity gain; remote control. 17 lb .....\$2,000

### Reference KPE Phono Preamplifier

MC input. Class A design; outboard power supply. 7 1/2 x 2 1/2 x 13 in; 6 lb .....\$2,200

### Standard KPE Phono Preamplifier

MM/MC inputs. Class A design; outboard power supply. 5-yr warranty. 7 1/2 x 2 1/2 x 13 in; 6 lb .....\$1,600

## LEGACY AUDIO

### Legacy Preamplifier

5 line-level inputs; XLR input; XLR and RCA outputs. Tape and external-processor switches; LED

display; optical attenuator; remote control. FR 1 Hz-100 kHz  $\pm$ 1 dB; THD 0.001%. Satin-black brushed-aluminum faceplate. 17 x 2 1/2 x 12 in .....\$1,595

## LEXICON

### DC-1/Base Digital Controller A/V Preamplifier

Dolby Pro Logic, Music, Mono, Hall, Club, Panorama, Stereo, and 4 other surround modes. 8 analog audio inputs, 5 video inputs, and 4 digital audio inputs. 20-bit D/A conversion; built-in jitter reduction; adjustable digital crossovers; internally upgradable to Dolby Digital, THX, and DTS. Zone 2 A/V output with separate volume control; back-panel infrared input. 19-in rack mount kit optional. 17 1/2 x 3 3/4 x 11 1/2 in; 11 lb .....\$1,995  
**DC-1/THX Digital Controller.** As above with digital EQ and THX enhancements; 3 additional Surround modes; internally upgradable to Dolby Digital and DTS. 17 1/2 x 3 3/4 x 11 1/2 in; 11 lb .....\$2,995  
**DC-1/DTS Digital Controller.** As DC-1/AC-3 with DTS decoding and 5 additional surround modes. 17 1/2 x 3 3/4 x 11 1/2 in; 11 lb .....\$4,995  
**DC-1/AC-3 Digital Controller.** As DC-1/THX with Dolby Digital decoding; time alignment; dialog enhancement; tilt EQ; A/V synchro delay; subwoofer-peak limiter; 5 additional surround modes; internally upgradable to DTS. 17 1/2 x 3 3/4 x 11 1/2 in; 11 lb .....\$4,500

## LINEAR RESEARCH

### Linear Research Tube Preamplifier

6 line-level inputs; 1 tape loop; 2 output jacks. Class A operation. Dual volume controls. FR 10 Hz-10 kHz  $\pm$ 0.5 dB; S/N 82 dB .....\$2,295  
As above with phono stage. Choice of MM or MC. FR 10 Hz-32 kHz .....\$2,695

## LUXMAN

### C-10 Preamplifier

6 line-level inputs/outputs; coaxial outputs. OFC wiring; balanced circuits; antiresonant-chassis design. Output-mode switch; bypass switch; remote amp-power on/off; line-phase sensor; output-phase switch; tape dubbing function; 58-point attenuator. FR 20 Hz-20 kHz +0, -0.1 dB; THD 0.005%; S/N 110 dB. Champagne gold. 3-yr warranty. 19 x 7 1/2 x 17 1/2 in; 5 lb .....\$18,000

### C-7 Preamplifier

5 coaxial inputs; 3 XLR inputs; 2 coaxial outputs; 2 XLR outputs. OFC wiring; balanced circuits; antiresonant-chassis design; insulated power supply is isolated from signal path. Output-mode switch; bypass switch; remote amp-power on/off; line-phase sensor; output-phase switch; tape dubbing function; record-off switch. FR 20 Hz-20 kHz +0, -0.1 dB; THD 0.005%; S/N 110 dB. Champagne gold. 3-yr warranty. 19 x 7 1/2 x 17 1/2 in; 4 lb .....\$5,500

### E-03 Phono Preamplifier

MM/MC phono input. S/N 103 dB .....\$2,000

### C-383 A/V Preamplifier

3 video inputs; switchable MM/MC phono input; remote turn-on/off output for Luxman amplifiers; system-bus connector; gold-plated audio connectors. Separate printed circuit boards for analog, digital, and other sections; separate analog and digital power supplies; motor-driven volume control; buffer amplifiers for each video input; Star circuitry. Record-out selector; bass, treble, and balance controls; loudness compensation; remote control. FR 10 Hz-100 kHz +0.2, -0.8 dB line; THD 0.003%; S/N 91 dBA MM, 76 dBA MC, 106 dBA line. Black or champagne beige .....\$995

## MARANTZ

### AV-550 Dolby Digital Preamplifier/Tuner

Dolby Digital and Dolby Pro Logic modes. 2 AC-3 digital inputs; AC-3 RF input; composite-video and S-video inputs; aux video input. Nighttime Dolby

Digital volume processing mode; Lucasfilm ReEQ circuitry. 30 AM/FM tuner presets; auto preset memory, preset scan, and station naming functions; dual-zone multiroom capability with fixed- or variable-level preamp outputs for second zone; built-in FR demodulator function for laser disc players with AC-3 RF outputs; on-screen display via composite- and S-video connection to monitor; remote control. 3-yr parts-and-labor warranty. 17 1/2 x 5 x 12 in; 8 lb .....\$1,000

## MARCHAND

### PR41-AA Preamplifier

6 inputs; 1 main output. Completely passive design; 46 position stepped attenuator; 23 position stepped balance control. Black cabinet with black knobs. 17 x 2 1/2 x 8 in; 10 lb .....\$995

## MARK LEVINSON

### Model 32 Reference Preamplifier

2 separate chassis, audio signals in one chassis; AC power, power supply regulation, control, and logic facilities in the other chassis. XLR and RCA phono stages optional .....\$18,000

### Model 380 Preamplifier

2 XLR and 4 RCA inputs; XLR and RCA outputs. Fully balanced circuitry from input to output; surround-sound mode. Remote control .....\$3,995

**Model 380S.** As above, special performance version of No. 380 .....\$6,495

## MBL

### Model 6010c Preamplifier

5 RCA inputs; 2 XLR and 2 RCA outputs; 2 tape outputs; headphone jack. Modular design accepts slide-in modules listed below. FR 0 Hz-600 kHz; THD 0.0014%. 21 x 9 x 12 in; 77 lb .....\$11,190  
**Input Group B.** Duplicate input set .....\$4,398  
**Measuring Module.** LCD level indicator .....\$1,175  
Wireless remote control .....\$1,210  
MC phono input .....\$1,050  
**Output Group II.** Duplicate set for biamping .....\$988  
MM phono input .....\$789  
Remote-control transmitter .....\$495  
XLR inputs .....\$384  
CD-direct inputs .....\$384

### Model 5010c Preamplifier

5 RCA inputs; 2 XLR and 2 RCA outputs; 2 tape outputs; CD-direct input; MM phono input; 2 switchable discrete outputs; headphone jack with volume control. Remote control. MC phono input optional. FR 0 Hz-400 kHz; THD 0.0001%. 18 x 4 x 10 in; 30 lb .....\$4,850  
**Model 5010cm.** Higher-grade version of above with special potentiometer .....\$5,790

### Model 4004 Preamplifier

5 inputs, 1 XLR and 1 CD-direct; XLR output; 2 switchable RCA outputs; 2 tape outputs. Remote control. MM/MC phono input optional. FR 0 Hz-300 kHz; THD 0.0008%. 18 x 4 x 10 in; 20 lb .....\$2,100

## MCINTOSH

### C100 Preamplifier

3 XLR inputs; 4 XLR outputs; 8 RCA outputs; processor loops for play and record. Built-in MC phono preamp; 2-chassis construction; signal-processor loops for play and record. Input-level trim control; remote control. FR 10 Hz-40 kHz +0 -0.5 dB; THD 0.002%; S/N 100 dB; max output 12 V rms. 3-yr warranty. 17 1/2 x 5 1/2 x 17 1/2 in; 70 lb .....\$6,500

### MX130 A/V Preamplifier

Dolby Pro Logic. S-video input. Controls 1 remote zone; interface with CR10 or CR12 multiroom controller to add 4 additional zones; A/V switching; 8 AM and 8 FM presets; remote control. THX-M module for THX processing optional. FR 20 Hz-20 kHz  $\pm$ 0.5 dB; THD 0.005%. 17 1/2 x 7 1/2 x 17 1/2 in; 30 lb .....\$4,800

# Preamplifiers



NAD Model 118 digital preamplifier

## C40 Preamplifier

8 audio inputs; MM phono input; dual XLR inputs; XLR outputs. 20-W/ch monitor amp with protection; logic-driven electromagnetic switching. 5-band EQ; listen and record selectors. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.002% at 1 kHz; S/N 90 dB phono, 105 dB line. 17 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 17 $\frac{1}{2}$  in; 26 lb .....\$3,500

## MILLENNIUM

### Model 2.4.6 DTS Preamplifier/Processor

DTS decoding. 6 gold-plated analog RCA inputs and outputs; coaxial and optical digital input and output; coaxial digital throughput. Master volume control; auto level control when connected to any A/V receiver; level-trim controls for center, surround, and subwoofer. S/N 110 dB. 17 x 1 $\frac{1}{2}$  x 5 in; 7 lb .....\$599

## MISTRAL

### Linestage Preamplifier

5 inputs; 2 outputs. Dual-mono construction; custom passive components; zero feedback. Separate record-out selector. Brushed aluminum with brass knobs. 17 x 2 $\frac{1}{2}$  x 13 in .....\$995

### Phonostage Phono Preamplifier

Dual-mono construction; custom wiring; Star circuitry. Switchable MC/MM selector. Brushed aluminum. 17 x 2 $\frac{1}{2}$  x 6 $\frac{1}{2}$  in .....\$695

## MONARCHY AUDIO

### Model 10A Preamplifier

6 inputs and 2 outputs. Dual-mono pure class A design; pure silver-wiring; passive and active outputs. Different-color illuminated switch for each input. THD 0.002%; S/N 110 dB; max output 10 V rms. Black. 15 lb .....\$980

## MUSE

### Model Three Preamplifier

3 RCA and 2 XLR inputs; theater loop; tape loop; XLR and RCA outputs. 255-step attenuator; source calibration; full-function remote control. Silver or black front panel. 3 yr warranty. 17 $\frac{1}{2}$  x 3 $\frac{1}{2}$  x 11 in; 15 lb .....\$1,950

## MUSEATEX

### AVC-1 A/V Preamplifier

4 composite and S-video A/V inputs; 2 audio inputs and 2 A/V tape loops; XLR and RCA outputs. Remote control .....\$1,999

## MUSICAL DESIGN

### SP-3 Preamplifier

6 selector inputs; 2 main outputs; 1 tape loop. Class A single-ended; power supply. Separate input and tape select; remote control. FR 0.1 Hz-110 kHz; THD 0.02%; S/N 90 dB; max output 30 V rms. Mist-gray winkle paint, stainless steel faceplate. 5-yr warranty. 17 x 3 $\frac{1}{2}$  x 14 in; 17 lb .....\$1,295

### SP-2B Tube Preamplifier

Direct input; 5 line-level inputs; tape output; 2

main outputs. Class-A operation; no feedback in both amplifier or voltage regulator. Stereo/mono/reverse switch; direct input switch; full signal muting. FR 1 Hz-100 kHz; THD 0.02%; S/N 90 dB; max output 60 V rms. 5-yr warranty. 19 x 3 $\frac{1}{4}$  x 12 in .....\$995

## MUSIC HALL

### MMF-1 Phono Preamplifier

RCA phono input and output. External power supply. Black. 11 x 1 $\frac{1}{2}$  x 1 $\frac{1}{2}$  in .....\$99

## MYRYAD

### MP-100 Preamplifier

4 line-level and 2 tape inputs; 2 RCA outputs; XLR output. Input selection by illuminated pushbuttons; volume control; headphone jack; remote control. FR 20 Hz-20 kHz  $\pm 0.2$  dB; THD 0.1%; S/N 105 dB; max output 20 V rms. Black and silver. 17 x 4 x 12 in; 14 lb .....\$999

## NAD

### Model 118 Digital Preamplifier

4 analog inputs; 4 direct digital inputs; separate digital outputs for external D/A converter or digital dubbing. 18-bit A/D and 20-bit D/A converters; all signals processed in digital domain for effects including stereo simulation from mono sources; DSP. Auto sampling-rate selection; volume, balance, polarity, mono/stereo, bass, mid and treble controls; digital compression and expansion modes; stereo soundstage width and spread controls. FR 20 Hz-20 kHz  $\pm 0.3$  dB; THD 0.01%; S/N 86 dB. 17 $\frac{1}{2}$  x 3 $\frac{1}{2}$  x 11 in; 8 lb .....\$1,599

### Model S100 Preamplifier

6 line-level inputs including 2 tape loops; 2 RCA line-level outputs; XLR line-level output; gold-plated connectors throughout. Pure Class A design; DC coupled; Star circuitry. Remote input-selector and volume controls. FR 20 Hz-20 kHz  $\pm 0.1$  dB; THD 0.002%; S/N 98 dB; max output 10 V rms. All aluminum chassis with smooth sandblasted finish. 17 $\frac{1}{2}$  x 2 $\frac{1}{2}$  x 11 $\frac{1}{4}$  in .....\$1,199

### Model 116 Preamplifier

6 line-level inputs; 2 tape loops with gold-plated sockets; XLR outputs; 2 RCA line-level outputs. Independent headphone amp; separate power supply for phono stage. Input switching through rear-panel relays with gold-plated contacts; switchable MM/MMC phono selector with separate inputs; full-system remote control with high-quality motor-driven volume control and NAD Link; dubbing capability. FR 20 Hz-20 kHz  $\pm 0.2$  dB; THD 0.01%; S/N 76 dB phono, 98 dB line. 17 $\frac{1}{2}$  x 3 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 9 lb .....\$799

### Model 917 A/V Preamplifier/Tuner

Dolby Pro Logic, Stadium, Hall, and Club surround modes. 7 line-level inputs including 3 video inputs; 3-position switchable subwoofer output; composite- and S-video inputs and outputs. Controls for treble, bass, bass-EQ, and tone defeat; 3-position subwoofer output switch; 40 AM/FM presets; indicators for signal strength and center tune; on-screen display;

plays; system remote compatible with most NAD tape decks and CD players. FR 20 Hz-20 kHz  $\pm 0.3$  dB; THD 0.01%; S/N 88 dB. FM: S/N 75 dB stereo; THD 0.15% stereo. 17 $\frac{1}{2}$  x 4 $\frac{1}{2}$  x 14 in .....\$699

### Model 114 Preamplifier

6 line-level inputs including 2 tape loops; gold-plated CD, phono and headphone jacks; 2 RCA line-level outputs. Independent headphone amp. Switchable MM/MMC phono selector. FR 20 Hz-20 kHz  $\pm 0.2$  dB; THD 0.01%; S/N 76 dB phono, 96 dB line. 17 $\frac{1}{2}$  x 3 $\frac{1}{2}$  x 11 in; 8 lb .....\$399

### Model 911 Preamplifier

6 line-level inputs; mic input; mic-channel line-level input; 6 fixed- and 6 variable-level outputs; mic-channel line-level output. Insert-on/off selector for each channel allows insertion of mic into any channel. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.005%; S/N 100 dB; max output 10 V rms. Gray with black knobs and switches .....\$399

### PP-1 Phono Preamplifier

Adds phono input to any line-level preamp or receiver. MM phono stage with RIAA EQ; infrasonic filter; metal chassis. FR 20 Hz-20 kHz  $\pm 0.5$  dB; THD 0.04%; S/N 78 dB. 5 $\frac{1}{2}$  x 1 $\frac{1}{2}$  x 2 $\frac{1}{4}$  in; 1 lb .....\$129

## NAIM

Power supplies and phono stages are not included, unless otherwise indicated.

### NAC-52 Preamplifier

6 line-level inputs. Dual-mono design with separate power supply for each section; motor-driven volume control. LED indicators; remote control. Includes phono stage. 16cm $\times$ 3 x 11 $\frac{1}{2}$  in .....\$11,550

### NAC-82 Preamplifier

6 line-level inputs. Regulated power supply for control circuits in separate chassis. Mute/monitor switch; listen/record selectors; remote control. Phono stage optional. 17 x 3 x 12 in .....\$4,600

### NAC-102 Preamplifier

6 line-level inputs. Mute and monitor switches; remote control. 17 x 3 x 12 in .....\$2,150

### NAC-72 Preamplifier

5 line-level inputs. Matched time-aligned filter. Mute monitor switch. 11 $\frac{1}{4}$  x 3 x 8 in .....\$1,550

### NAC-92R Preamplifier

1 line-level RCA input; 4 line-level DIN inputs. Tape-monitor controls; balance control; remote control. Phono stage optional. 17 $\frac{1}{4}$  x 2 $\frac{1}{4}$  x 12 in .....\$1,350  
NAC-92. As above, no remote control .....\$1,000

### Prefix Phono Preamplifier

MC input .....\$750

## Accessories

Supercap Power Supply .....\$4,400  
Hi-Cap Power Supply .....\$1,500  
Flatcap Power Supply .....\$750  
Phono Stages. With either MM or MC inputs .....\$175

## NAKAMICHI

### CA-1 Dolby Digital A/V Preamplifier

Dolby Digital and Dolby Pro Logic modes. 3 coaxial and 2 optical digital inputs; composite- and S-video connectors; 6 line-level outputs; remote outputs; multiroom/dual-source output. Multichannel level-matching circuits. On-screen display; center- and rear-channel delay; programmable remote control. Includes 2 remote control units. FR 10 Hz-50 kHz  $\pm 0.3$  dB; THD 0.01%; S/N 100 dB; max output 8 V rms. Front panel made with brushed aluminum finish. 3-yr warranty. 17 x 4 x 13 $\frac{1}{2}$  in; 15 lb .....\$2,300

## ODYSSEY

### Tempest Preamplifier

300-VA power supply. 18 x 4 x 12 in .....\$1,195

# 9B ST



Hearing is Believing... Feel the Emotions

Bryston's 9B ST delivers extraordinary quality to your entire home theatre surround sound experience.

Feel the emotions: be shocked, be happy, feel sad, scared out of your wits, surprised, be moved,

be excited, feel like you want to cry with joy. The Bryston 9B ST amplifier will awaken all of your emo-

tions in a simple elegant package designed to provide 5 channels of uncompromised sound quality.

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**BRYSTON**



# Preamplifiers

## CNIX

**CA 36 Preamplifier**  
MM or MC phono stages. Toroidal transformer. All inputs can be controlled with optional remote. 9 x 3 x 14 1/2 in .....\$2,395  
**CA 36L.** Line-level version of above .....\$2,195  
Remote control for both above models .....\$180

## CA 35 Preamplifier

Aux, tuner, CD, video, and 2 tape inputs; 2 tape outputs. Independent power supply for 2 channels. Manual line-level preamp .....\$1,495

## CA 24 Preamplifier

MM/MC, CD, tuner, and 2 tape inputs .....\$795  
**SOAP 2.** Power supply for above .....\$595

## ONKYO

### Integra P-304 Preamplifier

8 inputs including MM/MC phono. All-discrete signal path; in-phase signal filters; FET phono stage. Two record-out selectors; direct tone controls; side panels. FR 8 Hz-170 kHz; THD 0.0005% line; S/N 81 dB MC, 92 dB MM. 18 1/4 x 4 x 15 1/2 in; 17 lb .....\$559

### P-301 A/V Preamplifier

7 audio and 2 video inputs; MM phono input. Source-direct mode; motor-driven volume control. Tone control; video-dubbing capability. FR 15 Hz-30 kHz  $\pm$ 1 dB; THD 0.009% line; S/N 92 dB MM. 18 x 4 1/2 x 12 1/4 in; 9 lb .....\$289

## PAC

### Pro-Reference III/10K Tube Preamplifier

Phono and line-level inputs. Power supply with digital AC line filtering and separate multiple-regulated voltage references. Manual muting. Includes power supply cables .....\$10,900

**Pro-Reference III/7.5K.** As above without phono stage .....\$8,000

**Pro-Reference III.** As Pro-Reference III/7.5K, different power supply .....\$4,500

**Pro-Reference IIIP.** As Pro-Reference III, phono section only; different power supply; no line-level inputs .....\$3,200

**Pro-Reference 2000.** Low priced version of Pro-Reference III. No auto muting; different power supply .....\$2,500

## PAPWORTH

### PPA6 Tube Preamplifier

6 line-level inputs; 2 line-level outputs; gold-plated connectors. Dual-mono design; polished stainless steel chassis; two ECL82 and four ECC81 tubes. FR 6 Hz-40 kHz; THD 0.05%. 10 x 4 1/2 x 12 1/2 in; 18 lb .....\$2,980

## PARASOUND

### P/SP-1500 THX Preamplifier/Processor

Dolby Pro Logic and THX Home Cinema modes. 4 A/V inputs; composite- and S-video inputs; 4 audio inputs. THX-certification. Relay switching; THX auto level reset; on-screen displays; mode control; connector for P/DD-1500 outboard Dolby Digital adapter. FR 12 Hz-60 kHz; THD 0.06%; S/N 92 dB. 19 x 3 1/2 x 13 in; 18 lb .....\$995

### P/HP-850 Preamplifier

4 line-level inputs; phono input; gold-plated connectors; headphone jack. CMOS input switching; direct-coupled and normal inputs; muting relay; 18,800- $\mu$ F regulated power supply; defeatable tone controls. FR 10 Hz-100 kHz; THD 0.01%; S/N 100 dB. 19 x 3 x 16 in; 13 lb .....\$395

### P/PH-100 Phono Preamplifier

Stereo inputs for 1 MM or high output MC phono cartridge; stereo RCA outputs. Analog Devices op-amps and audiophile-grade capacitors. FR 10 Hz-50 kHz; THD 0.009%; S/N 72 dB. 9 1/2 x 1 1/4 x 7 in; 3 lb .....\$120

## PASS LABORATORIES

### Aleph P Preamplifier

4 Inputs; XLR input and output; tape output; XLR and RCA main outputs. Single-ended Class A gain stage using single MOSFET gain device; input select; Individual-channel and master gain controls; switching and volume controls accomplished through relays and precision resistors. Remote control. FR 1 Hz-100 kHz  $\pm$ 3 dB; THD 1%; max output 20 V rms. 19 x 11 1/2 x 4 1/2 in; 40 lb .....\$4,000

### Aleph Ono Phono Preamplifier

MM/MC inputs; XLR and RCA outputs. Outboard power supply; 40-dB MM gain; 76-dB MC gain. Max output 20 V rms. 19 x 12 x 4 1/2 in; 40 lb .....\$2,500

### X2 Preamplifier

1 XLR and 3 RCA inputs; XLR and RCA outputs. Single-ended Class A gain stage using single MOSFET gain device. 19 x 3 1/2 x 11 1/2 in; 35 lb .....\$2,500

## PERREAU

### SM6 Professional Preamplifier

6 line-level inputs; XLR input; 2 line-level outputs; XLR outputs; 2 tape outputs. Remote control. FR 20 Hz-20 kHz  $\pm$ 0.15 dB; THD 0.003%; S/N 95 dB; max output 1.5 V rms. Black finish .....\$2,995  
**Classic.** As above, chrome .....\$3,395

### AVP1 Professional Dolby Digital Preamplifier/Processor

Dolby Digital and Dolby Pro Logic modes. 5 analog, 3 digital, and 5 video inputs; AC-3 RF input. On-screen display; remote control. FR 20 Hz-20 kHz  $\pm$ 0.3 dB; THD 0.04%; S/N 90 dB; max output 1.5 V rms. Black finish .....\$2,895  
**Classic.** As above, chrome .....\$3,295

## PIONEER

### Elite C-72 A/V Preamplifier

4 audio inputs; MM/MC phono input; video inputs. Bass and treble controls. FR 20 Hz-20 kHz  $\pm$ 0.2 dB MM, 1 Hz-150 kHz  $\pm$ 3 dB line; THD 0.002% at 1 kHz; S/N 93 dB MM. 76 dB MC, 106 dB line. 18 1/2 x 6 1/2 x 16 1/2 in .....\$850

## POLYFUSION AUDIO

### Model 940 Preamplifier

4 line-level inputs; 2 XLR/RCA outputs; 2 tape outputs. Class A MOSFET output stage; DC coupled with servo controls; outboard DC power supply. Electronic input-selector switches; mute switch. FR 5 Hz-100 kHz  $\pm$ 0.1 dB; THD 0.006%; S/N 105 dBA; max output 16 V rms. Anodized in black, silver, and gold. 3-yr warranty. 19 x 3 1/2 x 13 in; 7 lb .....\$3,250

**Model 230.** D/A converter module .....\$1,750

**Model 210.** Phono module .....\$750

## POWER MODULES

### BELLES 15A Preamplifier

5 RCA outputs; 2 tape RCA outputs; 2 main RCA outputs. Class A 1-stage differential pair with output buffers; no negative feedback. Mute switch. THD 0.05%; S/N 90 dB; max output 8.9 V rms. Black anodized. 5-yr warranty. 17 x 2 1/2 x 9 1/2 in; 11 lb .....\$1,195

## PROCEED

### AVP THX Preamplifier/Processor

Dolby Digital, THX, and DTS modes. 8 analog, 7 digital, and 8 video inputs. MPEG-2 compatible; analog and digital surround decoding; 24-bit, 96-kHz processing. Upgradable software. FR 20 Hz-20 kHz  $\pm$ 0,  $\pm$ 0.2 dB; THD 0.05%; S/N 105 dB. 17% x 5 x 15 in; 34 lb .....\$4,995

### PAV A/V Preamplifier

Dolby Pro Logic, THX Home Cinema, and Stereo modes. 4 A/V inputs; 2 XLR and 4 RCA audio inputs; 2 XLR outputs; composite- and S-video connectors; Infrared remote jack. THX certified; Independent signals paths for main, remote, and record. Remote amp turn-on; on-screen displays; programmable remote control. Max output 10 V rms .....\$4,195

### PRE Preamplifier

2 XLR and 4 RCA inputs; XLR and RCA outputs. Independent buffered-main and record signal paths. Surround-sound processor mode; remote amp turn-on; programmable remote control. Max output 10 V rms .....\$1,995

## PROTON

### AS-2620 Dolby Digital Preamplifier/Processor

Dolby Digital and Dolby Pro Logic modes. 5 analog A/V inputs; 4 SPDIF digital audio inputs; 1 optical and 2 coaxial inputs; 3 S-video inputs; 1 digital output; monitor output; S-video output. Independent subwoofer channel; 6-channel crossover; dynamic-range compression. Center- and rear-channel delay; remote control with on-screen display; 6 Independent channel-level controls. S/N 90 dB. 16 1/2 x 3 x 14 in; 11 lb .....\$1,000

### AP-2000 Preamplifier

6 inputs; MC phono input; subwoofer output; gold-plated RCA inputs. Subwoofer crossover switchable at 75 or 150 Hz. Separate listen and record selectors; bass and treble controls; remote control. FR 20 Hz-20 kHz  $\pm$ 5 dB; THD 0.02%; S/N 95 dB. 16 1/2 x 3 x 14 1/2 in .....\$300

## PSE

### HL-1 Preamplifier

1 XLR and 5 RCA inputs; 2 RCA main outputs; XLR output; aux output. Dual-mono hybrid tube design. Bass and treble control; remote control of volume, mute, on/off, and processor loop. Upgradable Interface panel optional. FR 1 Hz-100 kHz  $\pm$ 0.5 dB; S/N 100 dB; max output 24 V rms. Black anodized chassis with natural-aluminum knobs. 5-yr parts-and-labor warranty. 17 1/2 x 4 x 16 in; 19 lb .....\$2,395  
MM/MC phono stage .....\$500

## QUICKLINE

### PA-4 Phono Preamplifier

MM and MC inputs; noninverting-polarity output. Class A design; external power-supply chassis with 100-VA toroidal transformer; output regulation circuit; dual-mono audio circuit cards. Selectable cartridge-loading resistors; switch-selectable input-gain setting. Includes PSU-1 external power supply. S/N 90 dBA MM, 75 dBA MC .....\$1,595

## QUICKSILVER AUDIO

### Linestage Tube Preamplifier

Video, CD, tuner, tape, and aux inputs. Class A design; one triode tube section per channel. Auto turn-on/off and mute; volume control; mono/stereo switch; right and left switch only. FR 0.1 Hz-120 kHz  $\pm$ 3 dB; THD 0.01%; max output 65 V rms. Black chassis, silver, or black front panel. 3-yr warranty. 15 x 3 x 9 1/2 in; 12 lb .....\$995

### Quicksilver Phono Tube Preamplifier

12AX7 input tube; 6922 output tube. High filter switch; AC outlet. FR 20 Hz-20 kHz  $\pm$ 0.25 dB; THD 0.1%; max output 50 V rms. Black chassis, silver,

See the Directory of  
Manufacturers (page 233)  
for where to write or  
call to get product literature  
or to find a local dealer.

# Preamplifiers

or black front panel. 3-yr warranty. 15 x 3 x 9½ in; 13 lb .....\$895

**Moving-Coil Transformer Phono Preamplifier**  
250 ohm RCA input; gold-plated RCA outputs. 2 separate transformers optimized for the RIAA phono EQ curve. FR 1 Hz-100 kHz -3 dB; max output 2.8 V rms. Black anodized aluminum case. 3-yr warranty. 2½ x 1¼ x 5 in; 3 lb .....\$375

## RANE

**PS1 Phono Preamplifier**  
RCA inputs; RCA and XLR screw terminal outputs. External power supply; 18-dB/oct rumble filter at 15 Hz. Selectable 100-, 250-, or 450-pF cartridge loading. S/N 84 dB. 3-yr warranty. 5 x 1¼ x 4½ in; 1 lb .....\$229

## ROTEL

**RC-995 Preamplifier**  
7 Inputs including MM/MC phono; dual RCA outputs; XLR outputs; headphone jack. Remote control. FR 4 Hz-100 kHz ±0.5 dB line; THD 0.004%. 17% x 2% x 12% in .....\$900

## RTC 940 Preamplifier/Tuner

RCA inputs and outputs; processor loop; headphone jack; 3 switched AC outlets. Bass, treble, defeat, balance, and mute off/mono control; remote control. FR 4 Hz-100 kHz ±0.3 dB; THD 0.004%; S/N 100 dB. FM: 50-dB quieting sens 37.2 dB; cap ratio 1.0 dB; alt-ch sel 70 dB; S/N 75 dB; THD 0.25%. Black. 5-yr warranty. 17% x 3% x 11% in; 11 lb .....\$500

## RC 972 Preamplifier

6 RCA inputs; 2 RCA outputs; 2 switched outlets. Class AB design. Separate listen and record selectors; remote control. Phono upgrade optional. FR 4 Hz-100 kHz ±3 dB; THD 0.004%; S/N 95 dB; max output 1 V rms. Black. 5-yr warranty. 17% x 2% x 11% in; 9 lb .....\$400

## RC-971 Preamplifier

5 inputs; dual outputs; 2 tape loops; headphone jack. Tone defeat. FR 4 Hz-100 kHz ±3 dB; THD 0.004%. 17% x 2% x 10% in .....\$300

## RQ-970BX Phono Preamplifier

MM/MC phono input; line-level output. FR 20 Hz-20 kHz ±0.2 dB; THD 0.004%; S/N 75 dB MM, 70 dB MC. 17% x 2% x 7% in .....\$200

## RUSSOUND

**PR-4Z A/V Preamplifier**  
3 stereo audio inputs; 3 stereo A/V inputs; 4 pre-amp outputs; 4 video outputs. 4 separate stereo preamps mounted and interconnected on single chassis; multizone; multisource. 40-step volume control; 12-step tone controls; loudness control; video switching between 3 sources. FR 20 Hz-20 kHz ±0.1 dB; THD 0.06%; S/N 95 dB; max output 10 V rms. 17 x 3 x 12 in; 12 lb .....\$1,995  
**AP48.** 4-zone amp module .....\$925  
**PR.4ZKP.** Keypads .....\$275  
**PR.4ZLRN.** Learning keypads .....\$275  
**PR.4ZPK.** Paging keypads with mic and source overrides .....\$135  
**PR.4ZRC.** Remote control .....\$99

## SHERWOOD

**AVP-9080 Dolby Digital/DTS Preamplifier/Processor/Tuner**  
Dolby Digital, DTS, Dolby Pro Logic, and 4 ambience modes. RF Coaxial and optical digital inputs; 5 A/V inputs; 6 audio inputs; 6 preamp outputs; switchable MC/MM inputs. 20-bit A/D and D/A converters; two 24-bit DSP 56009 Motorola processors; built-in RF demodulator for laserdiscs; 4-gang quartz PLL-synthesis tuner. On-screen display; sleep timer; preset scan; 30-station preset; auto input balance; dynamic-range

control; multiroom remote input; universal remote can control subwoofer level, DSS, VCR, tape deck, TV, cable box, and CD changer; programmable video-input labeling; cinema bass; digital volume control. FR 20 Hz-20 kHz ±3 dB; THD 0.003%. FM: 50-dB quieting sens 38 dB; AM rej 70 dB; cap ratio 1.25 dB; adj-ch sel 12 dB; alt-ch sel 80 dB; S/N 73; THD 0.25%. Titanium. 3-yr parts-and-labor warranty. 17% x 6¼ x 15½ in; 18 lb .....\$1,200

## SIGNATURE TECHNOLOGIES

**SRp-7g Tube Preamplifier**  
5 line-level inputs; phono input; gold-plated Teflon RCA connectors. Shielded power supply with 6CG7 and 12AX7 vacuum tubes; glass-epoxy circuit boards with film-type resistors and polypropylene capacitors. Hardwood endcaps and an acrylic faceplate; independent tape monitoring. FR 20 Hz-20 kHz ±1 dB line; THD 0.01%; S/N 72 dB phono, 90 dB line. 5 x 19 x 15½ in; 30 lb .....\$1,995  
As above, 6 line-level, no phono inputs .....\$1,695

## SONIC FRONTIERS

**Line 3 Tube Preamplifier**  
2 XLR inputs; 4 RCA inputs; RCA surround inputs; RCA tape input and output; headphone output; 2 XLR outputs; 2 RCA outputs. Fully balanced operation from input to output; digital volume and balance control at 0.5-dB resolution, 191-steps; direct-coupled output stage; dual-chassis design; dual-mono circuitry; regulated power supplies for each chassis; constant-on filament supplies. 10-function remote control; LED display; relay switching; tape loop; mono/stereo mode. FR 2 Hz-250 kHz ±0.5 dB; THD 0.02%; S/N 100 dBA; max output 56 V rms. Black or gold. 5-yr parts-and-labor warranty. 19 x 4½ x 14¼ in; 60 lb .....\$4,999  
**Line 2.** As above without dual-mono circuitry. 19 x 4½ x 14¼ in; 33 lb .....\$3,299  
**Line 1.** As Live 2, but with single-chassis design. 24 lb .....\$2,499

## Phono 1 Phono Tube Preamplifier

2 RCA phono inputs; 2 RCA line-level outputs. Low-noise, high-gain hybrid JFET vacuum-tube circuitry; optimized for MC cartridges; RIAA EQ. Cue control; selectable cartridge loading. FR 20 Hz-20 kHz ±0.15 dB; THD 0.035%; S/N 80 dBA; max output 32 V rms. Black or gold. 5-yr parts-and-labor warranty. 19 x 4½ x 12 in; 24 lb .....\$1,999

## SONOGRAFHE

**SC26 Preamplifier**  
6 line-level inputs. Discrete power-supply regulation. Level and balance controls in 0.5-dB steps; remote control. FR 5 Hz-100 kHz; THD 0.1%. 17 x 2¼ x 11½ in .....\$995

## SONY

**TAE90ES Preamplifier**  
Inputs for 6-line-level sources; MM and MC phono inputs; analog XLR inputs and outputs; 2 tape loops; headphone jack. Dual-mono design; MOSFET output stage; MC head amp; rotary-resistor attenuator and attenuator shaft mounted in vibration-isolating sub-chassis; round toroidal-core power transformer; off-center cast-iron isolation feet; aluminum front panel; motor-driven volume control. Remote control. FR 3 Hz-300 kHz ±0.3 dB line; THD 0.003% at 1 kHz; S/N 95 dB MM, 85 dB MC, 105 dB line. Black. 5-yr warranty. 17 x 3% x 14¼ in; 23 lb .....\$2,000

## TAE2000ESD Digital A/V Preamplifier

Dolby Pro Logic. 5 audio inputs including phono; 7 A/V inputs; 3 S-video inputs; 1 coaxial and 2 optical digital inputs; optical digital output; 2 subwoofer and 2 center-channel outputs; 3 switched and 1 unswitched AC outlets. Pulse A/D conversion, 90-MHz 8-output HDLC D/A converter; auto sampling-rate switching between 32, 44.1, and 48 kHz; digital channel-separation control; source-direct

switch bypassing digital circuitry. All processing in digital domain with auto input balance; 10 factory and 10 user-adjustable sound-field parameters; 3-band digital parametric EQ; independent EQs for front, center, and surround channels; digital dynamic-range control; Control S input for Sony multiroom systems; record-out selector; programmable A/V remote control. Black. 5-yr warranty. 17 x 6 x 14¼ in; 19 lb .....\$1,400

## SDP-EP9ES Digital Preamplifier

Dolby Digital, Dolby Pro Logic, Digital Cinema Sound, and 3D-Cinema Sound modes. 3 optical digital inputs; coaxial digital input; AC-3 RF digital inputs. optical digital output. 24-bit digital processing; full-feed forward digital filter; current-pulse D/A converter; motor-driven master volume control; anti-resonant insulator feet. 20-character display; digital balance, bass, and treble controls; auto processing selection; speaker-size setup with bass redirection. Includes 3 pair gold-plated audio cables. 5-yr limited warranty. 17 x 3% x 14 in; 14 lb .....\$750

## SOUND VALVES

### The Glory Hybrid Tube Preamplifier

6 line-level inputs; direct input; high-pass or full-range line-level output; line-level subwoofer output; 2 buffered tape outputs; headphone jack. 2-way crossover with 12-dB/oct low-pass slope. Balance control; mono/stereo switch; auto/manual mute; subwoofer-output level control. FR 2 Hz-200 kHz -3 dB line; THD 0.03% line; S/N 90 dB line. Black or gold machined-aluminum faceplate and chassis. 3-yr limited parts-and-labor warranty. 17% x 3% x 10% in; 14 lb .....\$1,795

## VTP-101i Tube Preamplifier

6 line-level inputs; phono input; 2 line-level outputs. 2 tape outputs; signal-processor loop. 6 Sorek 12AX7 tubes. Balance control; tape-monitor controls; mono/stereo switch; auto/manual mute; adjustable phono loading. FR 20 Hz-20 kHz -0.2 dB phono, 5 Hz-100,000 -3 dB line; THD 0.01% at 1 kHz line; S/N 75 dBA phono, 90 dB line. Black or gold machined-aluminum faceplate. 3-yr limited parts-and-labor warranty. 17% x 3% x 10% in; 13 lb .....\$799

## SV-100 Preamplifier

Headphone jack. JFET circuitry. Phono section optional. FR 20 Hz-20,000 ±0.1 dB; THD 0.005%; S/N MM 87 dB, MC 80 dB. Black, gold, or chrome machined faceplate .....\$549

## STANTON

**Model 310B Preamplifier**  
Universal mounting via special brackets; selection of flat or NAB post emphasis curves; switchable affective rumble filter; individual adjustment of gains and frequency responses. FR 20 Hz-20 kHz ±0.5 dB .....\$329

## SUNFIRE

**Classic Vacuum Tube Preamplifier**  
5 inputs; 2 RCA outputs; XLR output. All-tube design. High- and low-trim signal-contour controls. Black anodized metal. 5-yr parts-and-labor warranty. 19 x 6½ x 15¼ in .....\$1,495  
Tube phono stage for above .....\$350

## SUTHERLAND

**C-2000 Preamplifier**  
Dual-mono construction on 1/8-inch thick glass-epoxy circuit board, simplified signal path; constant-current, high-imp power supply isolates signal path from power source; brushed and clear anodized machined-aluminum enclosure. Remote control. 9% x 3% x 17 in .....\$8,000

## PH-2000 Phono Preamplifier

Gain and RIAA EQ to boost MM or MC cartridges. Gain and cartridge loading optimized with plug-in

# Preamplifiers

gold-plated component carriers to avoid sonic degradation caused by DIP switches; constant-current, high-imp power supply isolates signal path from power source. 9% x 3 3/4 x 17 in .....\$6,800

## C-800 Preamp

4 RCA inputs; XLR input. Sliding volume, source selection, and muting controls. 19 x 7 1/2 x 17 in; 52 lb .....\$5,485  
Phono module .....\$885  
Universal remote control .....\$100

## SYMPHONIC LINE

The following carry a 5-year warranty.

### Erleuchtung Tube Preamp

MM/MC phono inputs; 4 line-level inputs; 2 outputs; 2 tape outputs. Separate 300-VA power supply. FR 2 Hz-120 kHz. Chrome finish. 18 x 4 x 15 in; 58 lb .....\$6,900

### P30 Preamp

4 line-level inputs; 2 tape inputs; 2 outputs. Modular design through plug-ins internally; external 350-VA power supply. FR 1 Hz-250 kHz. Machined anodized. 19 x 4 x 12 in; 60 lb .....\$5,000  
Remote control .....\$200

### P20 Preamp

4 line-level outputs; 1 output; MM/MC phono output; tape output. Shielded 300-VA power supply. Machined anodized. 19 x 4 x 12 in; 38 lb .....\$2,500

## TANDBERG

### TCA 4038 Preamp

6 audio inputs; signal-processor loop. Logic-driven electromagnetic input switching. Tape-monitor

switches; tone-control defeat; remote control of all functions. FR 20 Hz-20 kHz +0, -5 dB; S/N 90 dB. 17 1/4 x 3 1/4 x 13 1/2 in; 14 lb .....\$1,099

## TAURUS AUDIO

### LS2S Tube Preamp

CD, tape, video, tuner, aux inputs; 2 outputs. Two 6DJ8 and one 6N6 tube. Detachable power cord. Bi-amp output optional. FR 5 Hz-20 kHz; THD 0.008%; S/N 120 dB. 17 1/4 x 3 1/4 x 12 1/2 in; 14 lb .....\$700

## TECHNICS

### SU-C1000 Preamp

5 line-level source inputs; MM/MC phono input. 30-hr Ni-Cd battery-driven power supply for noise reduction; auto battery charging when preamp is turned off; auto switching to rectified AC power when battery is depleted. Tape-monitor switch; A/B speaker switch; balance control; defeatable tone controls; remote control .....\$530

## THETA DIGITAL

### Casablanca A/V Preamp and D/A Converter

Dolby Digital, DTS, and Dolby Pro Logic modes. Digital and analog preamps; electronic crossover; two-level D/A conversion with two-level signal paths; fully balanced, differential operation. Video switching .....\$4,495

### Casa Nova A/V Preamp

6 RCA analog inputs; 12 digital inputs; RCA and XLR audio outputs; 6-channel analog outputs. 24-bit conversion; analog volume control. Remote control. Dolby Digital/DTS decoder, RF demodulator, and additional outputs optional. Black or silver. 5-yr warranty .....\$3,000

## THORENS

### TTP 2000 Preamp

Gold-plated RCA jacks; phono input. Phono stage. Instant muting when switched off. FR 10 Hz-150 kHz  $\pm 0.3$  dB; THD 0.02%; S/N 99 dB. 8 1/4 x 3 3/4 x 13 1/2 in; 10 lb .....\$1,600

### MM 1 Phono Preamp

Aux and tape inputs. RIAA EQ for MM phono cartridges; external power supply. FR 20 Hz-20 kHz  $\pm 0.5$  dB; S/N 82 dBA. 4 x 1 1/2 x 3 in .....\$180

## TUBE RESEARCH LABS

### GTRP Tube Preamp

6 line-level inputs; tube-buffered recording output. 6 tubes for main chassis; 18 tubes for power supply. Polished-gold main chassis. Preamp: 19 x 12 x 14 in. Power supply: 19 x 12 x 25 in .....\$12,500

### GTRP Tube Phono Preamp

2 phono inputs. 6 tubes for main chassis; 18 tubes for power supply. Polished-gold main chassis. Preamp: 19 x 12 x 14 in. Power supply: 19 x 12 x 25 in .....\$12,500

### GTP Tube Phono Preamp

6 tubes for phono; 6 tubes for power supply; 2 chassis connected by detachable chord .....\$4,000

## TUBE TECHNOLOGY

### Prophet Tube Preamp

Tape, tuner, CD, and 2 aux inputs; 2 preamp outputs; record output. Twin triode design operating in single-ended pure class A mode. Separate listen and record selectors. FR 4 Hz-120 kHz; THD 0.003%; S/N 78 dB; max output 6 V rms. Black; available in silver. 14 x 3 x 10 in; 22 lb .....\$3,000

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5 channels of power and performance – the new 2k5 delivers 225 watts per channel. With our exclusive HPC technology (High Powered Center) an awesome 450 watts of power can be directed to the all-important center channel speaker. Utterly transparent and effortless in its delivery of power.

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— D. Kumin, Stereo Review, June 1997

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— K. Suager, Secrets of Home Theater and High Fidelity Magazine, Jan. 1998

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For the few who simply cannot live without the best, our Special Edition 3k6SE is without peer. Hand-crafted using the finest possible components, the sheer glory of its 375 watts into all six channels makes the 3k6SE the world's ultimate multi-channel theater amplifier.



\$5995

# Preamplifiers

## MAC Tube Preamplifier

MM/MC inputs; line-level output. Single-ended class A operation; dual regulated power supplies. Loading pins for varying phono-input resistance/capacitance. FR 4 Hz-35 kHz; THD 0.05%; S/N 72 dB; max output 1 V rms. Black; available in silver. 14 x 3 x 10 in; 13 lb .....\$2,000

## Seer Line Tube Preamplifier

Tape, tuner, CD, and 2 aux inputs; 2 preamp outputs; record output. Low-noise double triode operating in single-ended class A mode. FR 4 Hz-116 kHz; THD 0.05%; S/N 75 dB; max output 8 V rms. 13 lb .....\$1,500  
Seer Phono. As above, MM phono stage ...\$1,650

## VAC

### CPA1 MkIII Tube Preamplifier

6 line-level inputs; MM/MC phono inputs; tape loop; buffered tape and 2 main outputs. Class A triode-tube design; dual-cascode phono inputs; hard-wiring; separate regulated power supply; non-magnetic chassis; stepped-volume attenuators. Selectable passive-buffered line-stage mode; adjustable phono imp, capacitance, and gain. XLR output optional. FR 6 Hz-90 kHz. Preamp: 6 x 18 x 13 1/2 in; 25 lb. Power supply: 6 1/4 x 7 x 12 1/2 in; 25 lb ...\$6,490  
CPP1 MkIII. As above, phono section only \$4,690  
CLA1 MkIII. As CPA1 MkIII, but with no phono inputs .....\$4,290

### CLA-2/CPA-2 Tube Preamplifier

5 line-level inputs; 2 phono inputs; RCA tape input and output; 2 main outputs. All Class A triode-tube circuitry. Remote control of volume, balance, source selector, and mute. 5-yr warranty. 20 1/2 x 7 1/4 x 16 1/2 in; 22 lb .....\$5,000  
MC/MM phono stage .....\$1,990

## Model 20.1 Tube Preamplifier

4 line-level inputs; tape loop. Class A triode-tube design; nonmagnetic chassis. Auto turn-on muting; defeatable tape outputs. Gloss-black faceplate. 18 x 3 1/2 x 11 in; 10 lb .....\$1,390

## WOODSIDE

### SC26P Tube Preamplifier

6 line-level inputs; 2 main outputs; 2 buffered tape outputs; switchable MM/MC phono input. Independent voltage-regulation for each tube with discrete solid-state regulators; 10 tubes for power supply; solid-core silver-plated wiring; metal-film resistors. THD 0.1%; S/N 80 dB phono, 85 dB line. 17 x 3 1/2 x 14 in .....\$3,495  
As above without phono inputs .....\$2,495

### SC27P Tube Preamplifier

4 line-level inputs; MC phono input; tape monitor. 5 vacuum-tube power supply with independent voltage regulation for each tube. THD 0.1%; S/N 70 dB phono, 85 dB line. 17 x 3 1/2 x 14 in .....\$2,000  
As above with MM phono input instead ...\$1,895  
As above without phono input .....\$1,595

## WRIGHT

### LT-3 Tube Preamplifier

7 line-level inputs; high-impedance output for tube; low-impedance output for transistor power amps; 2 tape outputs; fixed-level output; gold-plated input/output jacks. Outboard power supply; bass and treble controls with turnovers at 90 Hz and 10 kHz; matched-channel potentiometers. FR 10 Hz-60 kHz  $\pm 0.5$  dB; THD 0.05%; S/N 92 dBA. Black-anodized, aircraft-aluminum chassis with solid dark-oak side panels. 3-yr warranty. Control unit: 18 x 6 1/4 x 8 in. Power supply: 6 1/4 x 4 x 7 1/4 in .....\$1,250

PH-2. Tube phono stage. 18 x 5 x 8 in .....\$650  
Power supply for PH-2. 18 x 6 1/4 x 8 in .....\$350

## XANTECH

### ZPR68-10 Preamplifier

8 A/V inputs; 6 A/V outputs; 6 discrete infrared zone inputs and outputs; 8 common infrared outputs. Expandable for up to 9 additional zones; input level matching; customized settings stored in nonvolatile memory. Independent zone control of source selection, volume, bass, treble, and balance; requires RC 68 remote control. FR 5 Hz-70 kHz  $\pm 3$  dB; THD 0.01%; S/N 98 dB; max output 4 V rms. Black anodized. 14 x 7 x 2 1/2 in; 4 lb .....\$2,000

### RP41AV Preamplifier

4 stereo line-level audio inputs; composite-video input; 1 line-level audio output; 1 composite-video output. Flat pack design; remote-controllable via Xantech infrared receiver and/or keypad. Remote control. FR 20 Hz-20 kHz  $\pm 1$  dB; THD 0.01%; S/N 100 dB; max output 4.5 V rms. Black anodized. 10 x 1 1/2 x 3 in; 1 lb .....\$320  
RC68. Remote control for models ZPR68 and RP41AV .....\$160  
Model 291-10. Infrared receiver for remote ...\$62

## YAMAHA

### CX-2 Preamplifier

8 audio and 3 video inputs; MM/MC phono input; S-video connectors; remote link for MX-1 or MX-2 amp. Motor-driven input selector, volume control; source-direct mode; switchable infrasonic filter; variable loudness control; record-out selector; center-defeat tone controls; programmable remote. FR 20 Hz-20 kHz; THD 0.002%; S/N 110 dB; max output 10 V. 17 1/2 x 3 3/4 x 12 1/2 in; 12 lb .....\$799

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# Power Amplifiers

## ACCUPHASE

### M-2000 250-W Mono Amplifier

1 channel. 250 W x 2 or 1,000 W with 0.03% THD, 500 into 4 ohms with 0.03% THD, or 1,000 into 2 ohms with 0.05% THD, all from 20 Hz-20 kHz. Class AB operation; current feedback circuitry topology prevents phase shifts. 1 RCA input; 1 XLR input. Input selector switch; power-level meter; phase selector; circuit breaker. S/N 120 dBA; damping factor 400. 3-yr warranty. 18 1/4 x 10 x 21 1/2 in; 111 lb .....\$27,000/pr

### A-50 50-W/ch Amplifier

2 channels. 50 W x 2 or 200 x 1, both into 8 ohms from 20 Hz-20 kHz with 0.02% THD. Circuit-breaker protection. XLR and RCA inputs. Input-level controls; 2 digital power meters. S/N 110 dBA; damping factor 160 stereo. 18 1/4 x 9 1/2 x 19 1/2 in; 107 lb .....\$14,995

### P-700 350-W/ch Amplifier

2 channels. 350 W x 2 or 1,000 x 1, both into 8 ohms. Current feedback circuit topology prevents phase shifts; bridged mode allows upgrading to true monophonic amp; circuit breaker. XLR and RCA inputs. FR 20 Hz-20 kHz  $\pm 0.2$  dB; S/N 123 dB; damping factor 200 mono, 400 stereo. 19 1/4 x 9 1/2 x 21 1/4 in; 93 lb .....\$12,995

### P-550 270-W/ch Amplifier

2 channels. 270 W x 2 or 840 x 1, both into 8 ohms. Circuit-breaker protection; current-feedback circuit topology; P-channel and N-channel drive MOSFET circuits; 10 multiple-emitter transistors in parallel push-pull output stage; balanced signal transmission; gold-plated signal paths; temperature-compensation sensor transistor; aluminum heat sink. XLR Inputs; gold-plated inputs; two set of switchable outputs. A/B speaker selector; input/bridge selector; analog L/R output meters. FR 20 Hz-20 kHz; THD 0.02% from 4 to 16 ohms stereo; S/N 123 dBA; damping factor 250 mono, 500 stereo. Champagne-gold brushed-finished aluminum front panel. 18 1/4 x 8 1/2 x 17 1/2 in; 73 lb .....\$8,995

### P-450 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms, 300 x 2 into 4 ohms, 400 x 2 into 2 ohms, or 800 x 1 into 4 ohms, all from 20 Hz-20 kHz with 0.02% THD; 600 x 1 into 2 ohms from 20 Hz-20 kHz with 0.05% THD. 4 transistors in parallel push-pull output stage. XLR input; RCA input. Power meters; meter-light switch; mono/stereo switch. S/N 120 dBA; damping factor 400 stereo, 200 mono. Brushed aluminum. 19 x 9 x 19 in; 68 lb .....\$6,000

### P-350 150-W/ch Amplifier

2 channels. 150 W x 2 or 420 x 1 into 8 ohms. Class A PNP transistors predriver; current feedback input buffer; temperature sensor for bias-stabilizer circuit; DC servo op-amp. Gold-plated XLR and RCA inputs; 2 pair switchable outputs. A/B speaker selector; input/bridge selector. FR 20 Hz-20 kHz; THD 0.02% from 4 to 16 ohms; S/N 120 dBA; damping factor 180 mono, 360 stereo. Champagne-gold brushed-finished aluminum front panel. 18 1/4 x 6 1/4 x 17 1/2 in; 52 lb .....\$3,500

## ACOUSTIC MASTERPIECE

### AM-M101 12-W Tube Mono Amplifier

1 channel. 12 W into 8 ohms from 20 Hz-20 kHz with 1% THD. 2 KT-88 and 2 ECC83/12AX7 vacuum tubes. 38 lb .....\$2,100

## ACURUS

The following are available with an optional 19-inch front panel.

### A125x5 625-W Amplifier

5 channels. 125 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.06% THD or 190 x 5 into 4 ohms. Class A fully discrete input driver stage without ICs. S/N 110 dBA. 55 lb .....\$1,599

### A200x3 600-W Amplifier

3 channels. Designed for home-theater systems. 200 W x 3 cont into 8 ohms from 20 Hz-20 kHz with 0.06% THD or 300 x 3 cont into 4 ohms. S/N 110 dBA. 17 x 6 1/4 x 14 1/2 in; 39 lb .....\$1,399

### A200 200-W/ch Amplifier

2 channels. 250 W x 2 cont into 8 ohms from 20 Hz-20 kHz with 0.06% THD or 300 x 2 into 4 ohms. Class A fully discrete input driver stage without ICs; handcrafted construction; symmetrical circuit topology; bipolar Class A/B output stage. S/N 110 dBA. 17 x 5 x 13 1/4 in; 32 lb .....\$999

### A100x3 300-W Amplifier

3 channels. Designed for home-theater systems. 100 W x 3 cont into 8 ohms from 20 Hz-20 kHz with 0.06% THD or 150 x 3 cont into 4 ohms. S/N 110 dBA. 17 x 5 1/2 x 12 1/4 in; 29 lb .....\$949

### A100 100-W/ch Amplifier

2 channels. 100 W x 2 cont into 8 ohms from 20 Hz-20 kHz with 0.06% THD or 150 x 2 into 4 ohms. Handcrafted construction; bipolar output transistors. S/N 110 dBA. 17 x 5 x 12 in; 19 lb .....\$649

## ADCOM

### GFA-5802 300-W/ch Amplifier

2 channels. 300 W x 2 into 8 ohms or 450 x 2 into 4 ohms. All-MOSFET circuitry; separate front-end and main transformers; single-ended Class A front-circuitry; 32 precision matched HEXFET output devices. XLR and RCA inputs; biwirable. Distortion-alert and thermal-protection lights. S/N 105 dBA; dynamic headroom 2.3 dB. Black. 17 x 8 1/4 x 15 1/2 in; 48 lb .....\$1,750

### GFA-7500 750-W THX Amplifier

5 channels. 150 W x 5 into 8 ohms or 225 x 5 into 4 ohms, both with 0.03% THD. DC coupled; 5 RCA inputs; DB-25 input. 12-V DC remote power trigger. S/N 115 dB; dynamic headroom 1.9 dB. 17 x 7 1/4 x 15 in; 64 lb .....\$1,500

### GFA-5503 600-W Amplifier

3 channels. 200 W x 3 into 8 ohms or 350 x 3 into 4 ohms. 1-ohm stability; low negative feedback, 30 precision-matched MOSFET output devices; constant damping factor. RCA inputs. FR 3 Hz-130 kHz  $\pm 0.25$  dB; THD 0.18%; S/N 100 dB. 17 x 7 1/4 x 16 in; 57 lb .....\$1,300

**GFA-5500.** As above, 2 channels. 200 W x 2 into 8 ohms or 350 x 2 into 4 ohms. 20 precision-matched MOSFET output devices. 17 x 7 1/4 x 14 1/2 in; 44 lb .....\$1,000

**GFA-5400.** As above, 125 W x 2 into 8 ohms or 200 x 2 into 4 ohms. 12 precision-matched MOSFET output devices. 17 x 5 1/2 x 12 1/2 in; 24 lb .....\$680

**GFA-5300.** As above, 80 W x 2 into 8 ohms or 125 x 2 into 4 ohms. 8 precision-matched MOSFET output devices. 17 x 4 1/2 x 12 1/2 in; 22 lb .....\$450

**GFA-5200.** As above, 50 W x 2 into 8 ohms or 80 x 2 into 4 ohms. 4 precision-matched MOSFET output devices. S/N 98 dB. 17 x 3 1/4 x 12 1/2 in; 17 lb .....\$350

### GFA-7400 500-W Amplifier

5 channels. 100 W x 5 into 8 ohms or 150 x 5 into 4 ohms, both with 0.03% THD. DC coupled; high-current design. 5 RCA inputs. 12-V DC remote power trigger. S/N 110 dB; dynamic headroom 2.5 dB. 17 x 5 1/4 x 15 in; 48 lb .....\$1,000

### GFA-5006 300-W Amplifier

6 channels. 50 W x 6 into 8 ohms, 75 W x 6 into 4 ohms, or 175 W x 3 into 8 ohms, all with 0.09% THD. High-current design. 6 inputs; 6 outputs. Level controls for each channel; signal-sensing on/off. S/N 100 dB. 17 x 5 1/4 x 15 1/2 in; 38 lb .....\$800

**GFA-5002.** As above, 2 channels. 50 W x 2 into 8 ohms, 75 x 2 into 4 ohms, or 175 x 1, all with 0.09% THD. 2 inputs and outputs. 17 x 3 1/2 x 12 1/2 in; 21 lb .....\$400

### GFA-2535/L 240-W Amplifier

4 channels. 60 W x 4 or 60 x 2 + 200 x 1 into 8 ohms. Level controls for each pair of channels. FR

10 Hz-20 kHz  $\pm 0.5$  dB; THD 0.06%; S/N 100 dB. 17 x 5 1/2 x 14 in; 32 lb .....\$700

### GFA-7300 300-W Amplifier

5 channels. 60 W x 5 into 8 ohms or 90 x 5 into 4 ohms, both with 0.03% THD. DC coupled; high-current design. 5 RCA inputs. S/N 115 dB; dynamic headroom 1.9 dB. 17 x 5 x 14 1/2 in; 40 lb .....\$700

## A/D/S/

### PA8 400-W Amplifier

8 channels. 50 W x 8, 50 x 6 + 125 x 1, 50 x 4 + 125 x 2, 50 x 2 + 125 x 3, or 125 x 4, all into 4 ohms from 20 Hz-20 kHz with 0.12% THD. Discrete Class AB design by Ed Meitner; fan cooling. Remote turn-on. S/N 85 dBA; slew rate 17 V/ $\mu$ s; damping factor 150. 17 1/4 x 4 x 13 1/2 in; 20 lb .....\$1,500

## AIR TIGHT

### ATM-3 100-W Tube Mono Amplifier

1 channel. 100 W in triode mode. Six 6CA7, one 12AX7, and one 12AU7 vacuum tubes; triple-push-pull circuitry; hand crafting; selectable ultralinear or triode-tube mode; no printed circuit boards. Adjustable bias for each 6CA7 output tube; 30-sec turn-on delay; tube-bias meter. FR 20 Hz-20 kHz  $\pm 1$  dB; S/N 100 dBA .....\$11,500/pr

### ATM-2 80-W/ch Tube Amplifier

2 channels. 80 W x 2 into 8 ohms at 1 kHz with 1% THD. Six KT-88 output tubes; two 12AX7A, two 12AU7A, and two 12BH7A tubes; handcrafted construction; OFC wiring; no printed circuit boards; copper-plated chassis and bottom plated; aluminum front panel. CD-direct input. Adjustable tube bias. FR 20 Hz-20 kHz  $\pm 1$  dB; S/N 100 dBA .....\$6,695

### ATM-1 36-W/ch Tube Amplifier

2 channels. 36 W x 2 into 8 ohms at 1 kHz with 1% THD. Four 6CA7, two 12AU7, one 12AX7A, and two 5AR4 vacuum tubes; OFC wiring; cathode-follower direct drive; no printed circuit boards. CD-direct input. FR 20 Hz-20 kHz  $\pm 1$  dB; S/N 100 dBA .....\$4,195

### ATM-4 24-W/ch Tube Amplifier

2 channels. 24 W x 2 or 48 x 1, both into 8 ohms with 0.1% THD. Four 6L6GC, two 6FQ7, and one 12AT7 vacuum tubes; adjustable balance-check circuit; multiple chassis coating. FR 20 Hz-20 kHz  $\pm 1$  dB; S/N 100 dB. 15 1/4 x 8 1/4 x 13 1/2 in; 51 lb .....\$3,995

## AMC

### CVT 2100a 80-W/ch Amplifier

2 channels. 80 W x 2 from 45 Hz-20 kHz with 1.0% THD into 8 ohms. Class AB operation; 2 cooling fans; separate 4 ohm and 8 ohm output taps. 2 RCA line-level inputs; 5-way binding post on all outputs; 2 switched AC and 1 unswitched AC outlets. Power switch. S/N 95 dB; ch sep 65 dB. Black. 17 x 5 x 13 in; 43 lb .....\$1,250

**MD 2103.** Balanced stereo input module .....\$275

**MD 2102.** Balanced bridging input module for mono operation .....\$165

### Model 2N100-3 450-W Amplifier

3 channels. 150 W x 3 from 20 Hz-20 kHz with 0.03% THD into 8 ohms. Class AB output. 3 RCA line inputs; 3 pair 5-way binding post outputs; 1 IEC unswitched AC power outlet. Input level control for each channel. S/N 102 dBA; damping factor 100. Black. 17 x 5 x 13 in; 44 lb .....\$900

### Model 2N100-2 150-W/ch Amplifier

2 channels. 150 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.03% THD. Class AB output; commutating power supply. 2 RCA line-level inputs with parallel output; 5-way binding post outputs; 1 IEC unswitched power AC outlet. Input controls for each channel. S/N 102 dBA; damping factor 100. Black. 17 x 5 x 13 in; 38 lb .....\$650

### Model 2445 180-W Amplifier

4 channels. 45 W x 4 or 90 x 2, both into 20 Hz-20

# Power Amplifiers

kHz into 8 ohms with 0.03% THD, or 90 x 1 + 45 x 2 with 0.05% THD. Class AB output; dual power supplies. 4 RCA line inputs; 4 pair 5-way binding posts; 2 switched AC outlets. Input level controls for each channel; bridging switches. S/N 100 dBA; damping factor 100. Black. 17 x 5 x 13 in; 28 lb .....\$450

## AMPLIFIER TECHNOLOGIES (ATI)

### ATI2505 1,250-W Amplifier

5 channels. 250 W rms x 5 into 8 ohms from 20 Hz-20 kHz with 0.03% THD. Class AB operation; modular design. 6 gold-plated inputs; 1 DB-25 input; gold-plated touch-proof binding posts. Peak indicator LEDs; remote power-on; fuse-fault indicators. S/N 120 dBA; ch sep 90 dB; slew rate 50 V/μs; damping factor 1,000; dynamic headroom 2 dB. Glass-bead blast front panel; powder-coated chassis. 7-yr parts-and-labor warranty. 17 x 10½ x 18 in; 110 lb .....\$2,695

### ATI506 900-W Amplifier

6 channels. 150 W x 6 into 8 ohms or 225 x 6 into 4 ohms. DB-25 Input; European-standard output terminals. Class AB output operation; fuse-fault indicators. FR 20 Hz-20 kHz; THD 0.05%; S/N 100 dB; slew rate 50 V/μs; dynamic headroom 2 dB. 7-yr parts-and-labor warranty. 17 x 7 x 17 in; 88 lb .....\$1,995

### ATI505 750-W Amplifier

5 channels. 150 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.03% THD or 225 x 5 into 4 ohms. Class AB operation; modular design. 6 gold-plated RCA type inputs; 1 DB-25 input; 6 gold-plated binding posts. Fuse-fault indicators; remote power-on. S/N 120 dBA; ch sep 90 dB; slew rate 50 V/μs; damping factor 1,000; dynamic headroom 2 dB. Glass bead blast front panel and powder coat chassis. 7-yr parts-and-labor warranty. 17 x 7 x 16 in; 73 lb .....\$1,695

### ATI504 600-W Amplifier

4 channels. 150 W x 4 into 8 ohms or 225 x 4 into 4 ohms. European-standard output terminals. Class AB output operation; fuse-fault indicators. FR 20 Hz-20 kHz; THD 0.05%; S/N 100 dB; slew rate 50 V/μs; dynamic headroom 2 dB. 7-yr parts-and-labor warranty. 17 x 7 x 11 in; 64 lb .....\$1,395

### ATI502 150-W/ch Amplifier

2 channels. 150 W x 2 into 8 ohms or 225 x 2 into 4 ohms. European-standard output terminals. Class AB output operation; fuse-fault indicators. FR 20 Hz-20 kHz; THD 0.05%; S/N 100 dB; slew rate 50 V/μs; dynamic headroom 2 dB. 7-yr parts-and-labor warranty. 17 x 7 x 6 in; 40 lb .....\$795

## ANTHEM

### AMP-2 160-W/ch Tube Amplifier

2 channels. 160 W rms x 2 into 8 ohms or 320 W rms x 2 into 4 ohms with 0.05% THD. Class AB solid-state outputs; vacuum-tube input stage; bridgeable to mono. 2 gold-plated inputs; 2 outputs; 5-way binding post outputs. Front-panel power switch; bridging switch. S/N 90 dB; slew rate 20 V/μs; damping factor 100; dynamic headroom 1.5 dB. Black or silver. 5-yr parts-and-labor warranty. 19 x 5¼ x 16 in; 50 lb .....\$1,699

### AMP-1 40-W/ch Tube Amplifier

2 channels. 40 W x 2 into 4 or 8 ohms from 20 Hz-20 kHz with 1% THD. Class AB; push-pull ultralinear design; regulated power supplies. 1 pair line-level inputs; 1 pair speaker-level outputs. Output impedance selectable via 4 and 8 ohm taps on rear-panel binding posts. S/N 100 dBA; damping factor 14. Silver and black. 5-yr parts-and-labor warranty. 19 x 5¼ x 12 in; 40 lb .....\$1,195

## ARAGON

### Palladium 2 125-W Mono Amplifier

1 channel. 125 W into 8 ohms with 0.02% THD or 600 x 1 into 4 ohms, both from 5 Hz-20 kHz. Class A operation with Class A/B mode into 2 or 4 ohms; balanced

dual-differential design via 2 discrete amps in single chassis; separate amplification of positive and negative balanced-input signals; 2,000-VA transformer. S/N 112 dB. 19 x 6½ x 14½ in; 75 lb .....\$5,000

*The following feature direct circuit coupling with no capacitors in signal path, matched output transistors, and auto bias circuitry.*

### Model 8008 BB 200-W/ch Amplifier

2 channels. 200 W x 2 cont into 8 ohms with 0.03% THD or 400 x 2 into 4 ohms. from 5 Hz-20 kHz. Dual-mono design; DC servo control. S/N 110 dBA. 19 x 6½ x 14½ in; 75 lb .....\$2,499

### Model 8008x3 600-W Amplifier

3 channels. 200 W x 3 cont into 8 ohms with 0.03% THD or 400 x 3 cont into 4 ohms, from 5 Hz-20 kHz. DC servo control. S/N 110 dBA. 19 x 8 x 16½ in; 65 lb .....\$2,499

### Model 8008 ST 200-W/ch Amplifier

2 channels. 200 W x 2 cont into 8 ohms with 0.03% THD or 400 x 2 into 4 ohms, both from 5 Hz-20 kHz. Dual-mono design; DC servo control. S/N 110 dBA. 19 x 6½ x 4½ in; 70 lb .....\$1,999

### Model 8002 125-W/ch Amplifier

2 channels. 125 W x 2 cont into 8 ohms with 0.03% THD or 200 x 2 cont into 4 ohms, both from 5 Hz-20 kHz. Dual-mono design. S/N 110 dBA. 19 x 6½ x 14½ in; 55 lb .....\$1,499

## ARCAM

### Alpha 10 P3 300-W Amplifier

3 channels. Designed for use with the Alpha 10 integrated Dolby Digital/DTS amp. 100 W x 3 from 20 Hz-20 kHz. Class AB output; biamp-mode capability. Charcoal finish. 17 x 4½ x 15 in; 22 lb .....\$1,699

### Alpha 10P 100-W/ch Amplifier

2 channels. 100 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.08% THD. Class AB output. Preamp outputs to allow daisy-chain binding. Upgrade to 3-channel model optional. Charcoal finish. 17 x 4½ x 15 in; 22 lb .....\$1,199

### Alpha 9P 70-W/ch Amplifier

2 channels. 70 W x 2 into 8 ohms. Line input/output jacks; headphone jack. Speaker switching. 12 lb .....\$799

Alpha 8P. As above, 50-W/ch. 9 lb .....\$499

## ART AUDIO

### Maestro Plus 210-W Tube Mono Amplifier

1 channel. 210 W ultralinear mode or 120 x 1 triode mode. Class A triode switchable push-pull; eight 6550 output tubes per amp. THD 0.3%. Chrome and gold finish .....\$10,000/pr  
As above, chrome and black finish .....\$7,995/pr

### Maestro 110-W Tube Mono Amplifier

1 channel. 110 W ultralinear mode or 70 x 1 triode. Class A triode switchable push-pull; eight EL34 output tubes. Chrome and gold finish. THD 0.3%. 60 lb .....\$7,995/pr  
As above, chrome and black finish .....\$5,995/pr

### Tempo 30-W Tube Mono Amplifier

1 channel. 30 W. Pure Class A dedicated triode 30-W push-pull; four EL34 output tubes per amp. Chrome and gold finish. THD 0.3% .....\$5,500/pr  
As above, black and chrome finish .....\$4,395/pr

### Quintet 15-W Mono Amplifier

1 channel. 15 W. Class A triode push-pull design. Chrome and gold finish. THD 0.3% .....\$4,995/pr  
As above, black and chrome finish .....\$3,595/pr

### Quintet 25-W/ch Amplifier

2 channels. 25 W x 2 ultralinear mode or 15 x 2 triode. Pure Class A triode switchable push-pull. Chrome and gold. 45 lb .....\$2,850  
As above, chrome and black finish .....\$2,450

## AUDIO ADVANCEMENTS

### Trimax 45-W Mono Tube Amplifier

1 channel. 45 W. 807 tetrode output tube. FR 5 Hz-110 kHz; THD 0.1%. 9¼ x 7¼ x 18 in .....\$5,250/pr  
Designer version. 9½ x 8¼ x 16½ in .....\$4,250/pr

## AUDIO BY VAN ALSTINE

### FET-Valve 550hc 250-W/ch Tube Amplifier

2 channels. 250 W x 2 into 8 ohms. Hybrid design with vacuum tube; Class A MOSFET trans-impedance circuitry. THD 0.04%. 17 x 7 x 13 in; 38 lb .....\$1,799

FET-Valve 350hc. As above, 150 W x 2 .....\$1,499

### Omega III 440 220-W/ch Amplifier

2 channels. 220 W x 2 into 8 ohms. Active feedback design. THD 0.05%; slew rate 150 V/μs. 17 x 7 x 13 in; 38 lb .....\$1,299

Omega III 260. As above, 130 W x 2. 30 lb .....\$999

Omega III 200. As Omega III 260, 90 W x 2. 26 lb .....\$799

## AUDIOCONTROL

### Architect Model 700 600-W Multizone Amplifier

2 channels x 6 zones. 50 W x 12 into 8 ohms from 20 Hz-20 kHz with 0.12% THD. Designed for multi-room applications. Class H/AB outputs; multiple-rail design; patented power-supply regulation; protection circuitry provides independent channel protection against clipping, overheating, short circuit, and DC offset; programmable infrasonic filter; patented power-supply regulation. 12 RCA inputs; dual removable 12-position euroblock connectors. Input-bussing selector; input-level controls; remote power controls; signal-sense muting; channel-status indicators; ground-lift switch; six 6-band stereo equalizers; price varies with installation. S/N 100 dB; ch sep 75 dB; slew rate 16 V/μs; dynamic headroom 0.8 dB. Black. 5-yr warranty. 17 x 5¼ x 16 in; 35 lb. Base price .....\$2,900  
Architect Model 500 600-W Amplifier as above, no six 6-band stereo equalizers .....\$2,400  
Rack mounts for above .....\$50

## AUDIO ELECTRONICS

*Except where noted, kit versions of the following are available for \$200 less than the assembled products.*

### SE-811 12-W Tube Mono Amplifier

1 channel. 12 W. Single-ended Class A design; 811-3 triode output tubes. 4- and 8-ohm switch. FR 19 Hz-23 kHz ±0.5 dB; S/N 78 dB. 16 x 8 x 14 in; 42 lb .....\$1,995/pr  
As above, kit version .....\$1,299/pr

### SET-IIM 20-W/ch Amplifier

1 channel. 20 W. Class A; single-ended MOSFET output. FR 15 Hz-45 kHz ±1 dB; S/N 89 dB. 16 x 6¼ x 10 in; 23 lb .....\$1,595/pr  
As above, kit version .....\$1,199/pr

### SE-1 Signature 8-W/ch Tube Amplifier

2 channels. 8 W x 2 from 15 Hz-20 kHz ±0.5 dB. Single-ended pure Class A design. Cetron 300B output speaker posts. S/N 84 dB. 14 x 7½ x 10 in; 31 lb .....\$1,449  
As above, Western Electric 300B tubes .....\$1,949  
As above, China 300B tubes .....\$1,249  
As above with copper tubes .....\$1,049

### SE-1 7-W/ch Tube Amplifier

2 channels. 7 W x 2. Single-ended pure Class A design; Cetron 300B output tubes. FR 15 Hz-20 kHz ±0.5 dB; S/N 84 dB. 14 x 7½ x 10 in; 31 lb .....\$1,299  
As above with Western Electric 300B output tubes .....\$1,799  
As above, China 300B output tubes .....\$1,099  
As above, 300B output tubes .....\$899

### SE-88 12-W/ch Tube Amplifier

2 channels. 12 W x 2. Single-ended Class A design; KT-88 output tubes. FR 20 Hz-23 kHz .....\$999

# Power Amplifiers

## AE-20 20-W/ch Tube Amplifier

2 channels. 20 W x 2 into 8 ohms from 20 Hz-20 kHz with 1.5% THD. Push-pull Class A operation. One RCA input; one 5-way binding-post output. S/N 80 dB; ch sep 70 dB. Black epoxy-coated steel with wood chassis. 3-yr warranty. 14 x 6 $\frac{1}{2}$  x 11 in; 25 lb ..... \$899  
Oil-filled coupling capacitors ..... \$60/pr

## AUDIOLAB

The following have no input coupling capacitors and feature automatic fault protection and muting.

### Model 8000PX 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms or 175 x 2 into 4 ohms. Thermally efficient dual-mono design. THD 0.05%; S/N 95 dB. 17 $\frac{1}{2}$  x 3 x 13 in; 18 lb ... \$1,195

### Model 8000MX 125-W Mono Amplifier

1 channel. 125 W into 8 ohms or 200 x 1 into 4 ohms. Thermally efficient design. Dual inputs for biamping; 2 sets of outputs. FR 4 Hz-75 kHz; THD 0.05%; S/N 96 dB. 17 $\frac{1}{2}$  x 3 x 13 in; 19 lb .... \$995

### Model 8000SX 60-W/ch Amplifier

2 channels. 60 W x 2 into 8 ohms or 100 x 2 into 4 ohms. Thermally efficient dual-mono design. Dual inputs for biamping; 2 sets of outputs. FR 0.1 Hz-75 kHz; THD 0.05%; S/N 95 dB. 17 $\frac{1}{2}$  x 3 x 13 in; 18 lb ..... \$895

## AUDIO NOTE

### Conquest 17-W Tube Mono Amplifier

1 channel. 17 W. Pure Class A design; single-ended circuit using one 300B tube per channel; tube-rectified choke-filtered power supply; no negative feedback; copper chassis; silver wiring ..... \$9,000/pr

### Quest 8-W Tube Mono Amplifier

1 channel. 8 W. Pure Class A design; single-ended circuit using one 300B tube/channel; tube-rectified choke-filtered power supply; no negative feedback; copper chassis; silver wiring. 31 lb ..... \$5,650/pr

### Conqueror 8-W/ch Tube Amplifier

2 channels. 8 W x 2. Pure Class A design; single-ended circuit using one 300B tube per channel; tube-rectified choke-filtered power supply; no negative feedback; copper chassis; silver wiring. 31 lb ..... \$3,500

### P2-SE 17-W/ch Tube Amplifier

2 channels. 17 W x 2. Class A design; 6L6 output tubes. Volume control. 34 lb ..... \$2,800

### P1-SE 11-W/ch Tube Amplifier

2 channels. 11 W x 2. Class A design; two EL84 output tubes. 11 $\frac{1}{2}$  x 5 $\frac{1}{4}$  x 17 $\frac{1}{2}$  in; 28 lb .... \$1,900

## AUDIOPLEX TECHNOLOGY

### Model 4RM AMP-35 35-W/ch Multizone Amp

2 channels x 4 zones. 35 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.05% THD. Six line-level source inputs with tape loops; push spring clips outputs. 6-source selector; 4 zone speaker switching with on/off; volume controls for each zone. Lifetime warranty. 16 $\frac{1}{2}$  x 2 $\frac{1}{2}$  x 12 in; 16 lb ... \$694  
Rack mount brackets for above ..... \$50

### AMP 10 10-W/ch Amplifier

2 channels. 10 W x 2 rms into 8 ohms from 20 Hz-20 kHz. Proprietary circuit protection. Two RCA inputs; spring-clip output. Volume control; on/off switch. Black fine texture. Lifetime warranty. 8 x 2 $\frac{1}{2}$  x 5 in ..... \$210

## AUDIOPRISM

### Mana Reference 100-W Tube Mono Amplifier

1 channel. 100 W into 2, 4, 6, or 8 ohms from 20 Hz-20 kHz with 1% THD. Class AB fixed-bias operation; 14 fully regulated power supplies; OFHC internal wiring; vibration-damped, mechanically isolated

ed transformer mounting; one 5842, four 6SN7, and eight 5881/6L6GC tubes; triode or ultralinear operation. Gold-plated Teflon-insulated RCA input jacks; 7 output binding posts. Auto standby; bias meter. 15 x 8 $\frac{1}{2}$  x 23 in; 68 lb ..... \$14,995/pr

### Debut II Dual 35-W Tube Amplifier

2 channels. 35 W x 2 into 2, 4, 6, or 8 ohms with 1% THD. Class AB operation; Dual-mono construction; 12AT7 input and EL34 output tubes; OFHC internal wiring; power-line filter; discrete FET-controlled power supplies; vibration-damped, mechanically isolated transformer mounting. Teflon-insulated RCA input jacks. Bias meter. FR 5 Hz-50 kHz; S/N 85 dB. Black or silver anodized finish ..... \$2,595  
As above, brushed-champagne-gold anodized finish ..... \$2,495  
**Antares.** As above, ultralinear operation only. No enhanced power supply. Black-steel chassis with gold lettering and gold-anodized faceplate ..... \$1,695  
Black transformer cover for Antares ..... \$100

## AUDIO RESEARCH

### Reference 600 500-W Tube Mono Amplifier

1 channel. 500 W cont into 16 ohms from 20 Hz-20 kHz with 1% THD. XLR inputs. AC and bias meters. 19 x 10 $\frac{1}{2}$  x 29 $\frac{1}{2}$  in; 170 lb ..... \$14,995

### VT200 200-W/ch Tube Amplifier

2 channels. 200 W x 2 into 4, 8, or 16 ohms from 20 Hz-20 kHz with 1% THD. XLR and RCA inputs. Natural, gray, or black anodized brushed-aluminum front panel. 3-yr warranty. 19 x 10 $\frac{1}{2}$  x 23 $\frac{1}{2}$  in; 118 lb ..... \$8,995

### VT100 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 or 4 ohms. XLR and RCA inputs. Slew rate 25 V/ $\mu$ s. 19 x 8 $\frac{1}{2}$  x 19 $\frac{1}{2}$  in; 65 lb ..... \$4,495

### SDA1 400-W Amplifier

4 channels. 100 W x 4 into 8 ohms. 150 x 4 into 4 ohms, or 300 x 2 into 8 ohms. XLR and RCA inputs. Slew rate 50 V/ $\mu$ s. Natural, gray, or black anodized brushed-aluminum front panel. 3-yr warranty. 19 x 5 $\frac{1}{4}$  x 12 $\frac{1}{2}$  in; 37 lb ..... \$3,995

### Model 100.2 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms or 200 x 2 into 4 ohms. XLR and RCA inputs. Removable power cord. Natural, gray, or black anodized front-panel. 19 x 5 $\frac{1}{4}$  x 11 $\frac{1}{2}$  in; 35 lb ..... \$3,495

### VT50 45-W/ch Tube Amplifier

2 channels. 45 W x 2 into 4 or 8 ohms from 15 Hz-30 kHz with 1% THD. XLR and RCA inputs. Removable power cord. Slew rate 10 V/ $\mu$ s. Natural, gray, or black anodized brushed-aluminum front panel. 3-yr warranty. 19 x 7 x 15 in; 41 lb ..... \$2,995

### VT60SE 50-W/ch Amplifier

2 channels. 50 W x 2 into 4, 8, or 16 ohms. RCA inputs. Natural, gray, or black anodized brushed-aluminum front panel. 3-yr warranty. 19 x 7 $\frac{1}{4}$  x 13 $\frac{1}{2}$  in; 38 lb ..... \$2,495  
**VT60.** As above without front-panel assembly. 14 x 7 x 13 $\frac{1}{2}$  in; 33 lb ..... \$1,995

### D130 130-W/ch Amplifier

2 channels. 130 W into 8 ohms or 200 x 1 into 4 ohms. XLR inputs. Slew rate 50 V/ $\mu$ s; damping factor 100. 19 x 5 $\frac{1}{4}$  x 8 $\frac{1}{2}$  in; 27 lb ..... \$1,995

## AUDIOSOURCE

### AMP Three 150-W/ch Amplifier

2 channels. 150 W x 2 rms into 8 ohms or 400 x 1 into 4 or 8 ohms. Signal-sensing auto on; A/B speaker selector. FR 20 Hz-20 kHz  $\pm$ 0.5 dB; THD 0.04%; S/N 110 dB; dynamic headroom 2 dB. 16 $\frac{1}{2}$  x 4 x 11 $\frac{1}{2}$  in ..... \$499

**AMP Two.** As above. 80 W x 2 rms into 8 ohms or 200 x 1 into 4 or 8 ohms; Peak Limiter circuitry. Line-In and CD-direct inputs. 2 stage analog-output VU meters ..... \$399

### AMP One/A 80-W/ch Amplifier

2 channels. 80 W x 2 into 8 ohms or 200 x 1 into 4 or 8 ohms. 16 $\frac{1}{2}$  x 2 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in ..... \$299

## AUDIRE

### The New Monarch 600-W Mono Amplifier

1 channel. 600 W into 8 ohms or 1,200 x 1 into 4 ohms, both from 20 Hz-20 kHz with 0.009% THD. Class A design with balanced input and output; 80 power transistors; 2 transformers with 2 AC input cords; overload protection by current-sensing fuses and circuit breakers. XLR input and output. Slew rate 100 V/ $\mu$ s; damping factor 1,600 at 1 kHz. 13 x 32 x 13 $\frac{1}{2}$  in; 170 lb ..... \$60,000/pr  
Stereo version of above, 200 W x 2 into 8 ohms, 400 x 2 into 4 ohms, or 800 x 2 into 2 ohms. Slew rate 50 V/ $\mu$ s; damping factor 600 at 1 kHz ..... \$25,000

### Parlando 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms, 200 x 2 into 4 ohms, or 360 x 2 into 2 ohms, all from 20 Hz-20 kHz with 0.02% THD. Dual-mono Class A design; 32 output transistors and 8 drivers; 1-ohm capability. RCA and XLR inputs. Slew rate 50 V/ $\mu$ s; damping factor 800 into 8 ohms at 1 kHz. 3-yr parts-and-labor warranty. 19 x 8 $\frac{1}{4}$  x 18 $\frac{1}{2}$  in; 85 lb ..... \$3,741

### Otez 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms, 500 x 2 into 4 ohms, 800 x 2 into 2 ohms, or 1,000 x 1 into 8 ohms. Dual-mono Class AB design; one fuse for every 2 output transistors; protection circuitry not in signal path; 2 circuit-breaker/power switches. RCA and XLR inputs. Slew rate 50 V/ $\mu$ s; damping factor 850 at 1 kHz. 3-yr parts-and-labor warranty. 19 x 8 $\frac{1}{4}$  x 18 $\frac{1}{2}$  in; 85 lb ..... \$3,569

### Tenendo 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms or 400 x 2 into 4 ohms, both from 20 Hz-20 kHz with 0.05% THD. Dual-mono MOSFET Class AB design; 8 bipolar output devices per channel; 2 combination circuit-breaker/power switches; protection circuitry not in signal path. XLR and RCA inputs. Slew rate 50 V/ $\mu$ s; damping factor 700 into 8 ohms at 1 kHz. 3-yr parts-and-labor warranty. 19 x 7 x 10 in; 45 lb ..... \$2,354  
As above, non-MOSFET version. 19 x 7 x 10 in; 45 lb ..... \$2,154

### Forte 125-W/ch Amplifier

2 channels. 125 W x 2 into 8 ohms, 250 x 2 into 4 ohms, or 400 x 2 into 2 ohms, all from 20 Hz-20 kHz. Dual-mono MOSFET design. XLR and RCA inputs. Slew rate 50 V/ $\mu$ s; damping factor 350 at 1 kHz. 19 x 5 $\frac{1}{4}$  x 10 in; 41 lb ..... \$1,467  
As above, dual-mono bipolar version. 19 x 5 $\frac{1}{4}$  x 10 in; 41 lb ..... \$1,360

### Crescendo 75-W/ch Amplifier

2 channels. 75 W x 2 into 8 ohms or 130 x 2 into 4 ohms, both from 20 Hz-20 kHz. MOSFET design. XLR and RCA outputs. Slew rate 45 V/ $\mu$ s; damping factor 300 at 1 kHz. 19 x 5 $\frac{1}{4}$  x 9 in; 22 lb ..... \$825  
As above, bipolar version. 19 x 5 $\frac{1}{4}$  x 9 in ..... \$760

## B&K COMPONENTS

All B&K Components speakers feature Class AB MOSFET output stages, high-current toroidal transformers, and discrete circuitry.

### Reference 4430 600-W Amplifier

3 channels. 200 W x 3 from 5 Hz-45 kHz with 0.09% THD. 3 line-level inputs; 3 outputs. Level controls. S/N 95 dB; slew rate 14 V/ $\mu$ s; damping factor 400; dynamic headroom 1.1 dB. Black. 5-yr warranty. 17 x 5 $\frac{1}{4}$  x 16 in; 43 lb ..... \$1,700

### AV6000 Series II 750-W Amplifier

6 channels. 125 W x 6 from 5 Hz-45 kHz with 0.09% THD. 6 line-level inputs; 6 outputs. Level controls. S/N 95 dB; slew rate 14 V/ $\mu$ s; damping factor 150; dynamic headroom 1.4 dB. Black. 5-yr warranty. 17 x 5 $\frac{1}{4}$  x 16 in; 43 lb ..... \$1,500

# Power Amplifiers

## AV5000 Series II 625-W Amplifier

5 channels. 125 W x 5 from 5 Hz-45 kHz with 0.09% THD. 5 line-level inputs; 5 outputs. Level controls. S/N 95 dB; slew rate 14 V/μs; damping factor 150; dynamic headroom 1.4 dB. Black. 5-yr warranty. 17 x 5¼ x 16 in; 43 lb .....\$1,300

## Reference 4420/Mono 250-W Mono Amplifier

1 channel. 250 W x 1 into 8 ohms with 0.09% THD. Line-level input; XLR output; 1 output. S/N 95 dB; slew rate 14 V/μs; damping factor 750; dynamic headroom 1.4 dB. Black. 5-yr warranty. 17 x 5¼ x 16 in; 42 lb .....\$1,300

## Reference 4420/Stereo 225-W/ch Amplifier

2 channels. 225 W x 2 into 8 ohms with 0.09% THD. 2 line-level inputs; 2 XLR inputs; 2 outputs. S/N 95 dB; slew rate 14 V/μs; damping factor 450; dynamic headroom 1.2 dB. Black. 5-yr warranty. 17 x 5¼ x 16 in; 42 lb .....\$1,300

## ST3030 Series II 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms with 0.09% THD. 2 line-level inputs; 2 XLR outputs; 2 outputs. S/N 95 dB; slew rate 14 V/μs; damping factor 180; dynamic headroom 1.1 dB. Black. 5-yr warranty. 17 x 5¼ x 16 in; 39 lb .....\$1,000

## AV2500 300-W Amplifier

5 channels. 60 W x 5 from 5 Hz-45 kHz with 0.09% THD. 5 line-level inputs; 5 outputs. Level controls. S/N 95 dB; slew rate 14 V/μs; damping factor 80; dynamic headroom 1.0 dB. Black. 5-yr warranty. 17 x 3¼ x 12 in; 23 lb .....\$800

## ST1430 Series II 375-W Amplifier

3 channels. 125 W x 3 from 5 Hz-45 kHz with 0.09% THD. 3 line-level inputs; 3 outputs. Level controls. S/N 95 dB; slew rate 14 V/μs; damping factor 100; dynamic headroom 1.0 dB. Black. 5-yr warranty. 17 x 5¼ x 16 in; 39 lb .....\$800

## ST-1400 Series II/Stereo 124-W/ch Amplifier

2 channels. 124 W x 2 into 8 ohms from 5 Hz-45 kHz with 0.09% THD. 2 line-level inputs; 2 outputs. Level controls. S/N 95 dB; slew rate 14 V/μs; damping factor 100; dynamic headroom 1.4 dB. Black. 5-yr warranty. 17 x 5¼ x 16 in; 31 lb .....\$700

## ST-1400 Series II/Mono 150-W Mono Amplifier

1 channel. 150 W x 1 into 8 ohms with 0.09% THD. Line-level input; XLR input. S/N 95 dB; slew rate 14 V/μs; damping factor 180; dynamic headroom 1.5 dB. Black. 5-yr warranty. 17 x 5¼ x 16 in; 30 lb .....\$700

## ST1200 Series II 60-W/ch Amplifier

2 channels. 60 W x 2 from 5 Hz-45 kHz with 0.09% THD. 2 line-level inputs; 2 outputs. S/N 95 dB; slew rate 14 V/μs; dynamic headroom 1.4 dB. Black. 5-yr warranty. 17 x 3¼ x 12 in; 23 lb .....\$500

## BEL

### Model 1001 MkII 50-W/ch Amplifier

2 channels. 50 W x 2 into 8 ohms, 100 x 2 into 4 ohms, 200 x 2 into 2 ohms, 200 x 1 into 8 ohms, or 400 x 1 into 4 ohms. Class A operation; convection cooling with temperature-stabilizing circuitry; accelerated warm-up; temperature-, frequency-, output-, and load-fault protection. RCA inputs; copper binding-post outputs. Mono/stereo switch; rack-mountable. 17¼ x 7¼ x 13 in .....\$4,045  
Non-rack-mount version. 19 x 8¼ x 14¼ in .....\$3,895

## BEL CANTO DESIGN

### Orfeo 80 80-W Tube Mono Amplifier

1 channel. 80 W x 2 rms into 8 ohms from 5 Hz-35 kHz with 0.1% THD. Class A1 operation; single-ended triode; self-biasing; short signal path; zero feedback. 1 pair XLR inputs; 1 pair RCA inputs. 4/8-ohm switch. Wood finish optional. S/N 96 dB; ch sep 100 dB; damping factor 3; dynamic headroom 0.5 dB. Black. 19½ x 11 x 15 in; 72 lb .....\$11,250/pr  
Tube cage for above .....\$180

## Orfeo 40 40-W Tube Mono Amplifier

1 channel. 40 W into 8 ohms from 5 Hz-35 kHz with 0.2% THD. Class A1 operation; single-ended triode; self-biasing; short signal path; zero feedback. 1 pair XLR inputs; 1 pair RCA inputs. 4/8-ohm switch. Wood finish optional. S/N 96 dB; ch sep 100 dB; damping factor 3; dynamic headroom 0.5 dB. Black. 3-yr warranty. 19½ x 11 x 15 in; 62 lb .....\$8,500/pr  
Tube cage for above .....\$180

## SET 80 74-W Tube Mono Amplifier

1 channel. 74 W x 2 rms into 8 ohms from 5 Hz-35 kHz with 0.1% THD. Single-ended triode; class A1 operation; self biasing; short signal path; zero feedback. 1 pair XLR inputs; 1 pair RCA inputs. 4/8-ohm switch. S/N 96 dB; ch sep 100 dB; damping factor 3; dynamic headroom 0.5 dB. Black. 3-yr warranty. 19½ x 11 x 15 in; 62 lb .....\$8,200/pr  
Gold-ring package for above .....\$360/pr  
Tube cage for above .....\$180

## Orfeo 40S 40-W/ch Tube Amplifier

2 channels. 40 W x 2 rms into 8 ohms from 5 Hz-35 kHz with 0.2% THD. Class A1; single-ended triode; self-biasing; short signal path; zero feedback. 1 pair RCA inputs. 4/8-ohm switch. Wood finish optional. S/N 96 dB; ch sep 70 dB; damping factor 3; dynamic headroom 0.5 dB. Black. 3-yr warranty. 19½ x 11 x 15 in; 72 lb .....\$5,625  
Tube cage for above .....\$180

## Solid 400 400-W/ch Amplifier

2 channels. 400 W x 2 rms into 8 ohms. 1 pair RCA inputs; 1 pair XLR inputs. S/N 100 dB; ch sep 70 dB; slew rate 150 V/μs; damping factor 100; dynamic headroom 1.5 dB. Black or silver finish. 3-yr warranty. 17 x 6½ x 16 in; 80 lb .....\$5,000

## SET 40 37-W/ch Tube Amplifier

2 channels. 37 W x 2 rms into 8 ohms from 5 Hz-35 kHz with 0.2% THD. Class A1; single-ended triode; self-biasing; zero feedback. 1 pair RCA inputs. 4/8-ohm switch. S/N 96 dB; ch sep 70 dB; damping factor 3; dynamic headroom 0.5 dB. Black. 3-yr warranty. 19½ x 11 x 15 in; 62 lb .....\$4,100  
Gold-ring package for above .....\$360/pr  
Tube cage for above .....\$180

## Solid 250 250-W/ch Tube Amplifier

2 channels. 250 W x 2 rms into 8 ohms. 1 pair RCA inputs; 1 pair XLR inputs. S/N 100 dB; ch sep 70 dB; slew rate 150 V/μs; damping factor 100; dynamic headroom 1.5 dB. Black or silver finish. 3-yr warranty. 17 x 6½ x 14 in; 65 lb .....\$3,000

## BERNING

### Siegfried 10-W/ch Tube Amplifier

2 channels. 10 W x 2 rms into 6 ohms from 0.5 Hz-20 Hz with 4.3% THD. Single-ended operation; no output transformer; no feedback; proprietary RF impedance conversion; DC-coupled with DC speaker protection; offset servo; regulated switching power supply; RF heating of output tubes. One set of inputs; one set of outputs. Level control. S/N 94 dB; ch sep 60 dB; damping factor 4; dynamic headroom 1 dB. 13 x 9 x 17 in; 18 lb .....\$5,750

### ZH270 70-W/ch Tube Amplifier

2 channels. 70 W x 2 into 8 ohms from 2-80 kHz with 1% THD or 70 x 2 into 4 ohms from 2-35 kHz with 2% THD. Fully regulated switching power supply; auto servo-bias; auto DC-offset null; 250-ms DC full-fault speaker protection; push-pull pair of 6JN6 tubes in the output stage; no output transformer; proprietary RF impedance converter. 2 sets of input per channel; 1 output per channel. A/B input selector; 3-position feedback switch; level control. 10 lb .....\$4,500

## BGW SYSTEMS

### Grand Touring Amplifiers

The following are designed for use in touring sound applications and heavy-duty permanent installations.

## GTA 360-W/ch Amplifier

2 channels. 360 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.10% THD, 625 x 2 rms into 4 ohms from 20 Hz-20 kHz with 0.15% THD, or 1,000 W x 2 into 2 ohms from 20 Hz-20 kHz with 0.25% THD. Class AB operation; precision-stepped attenuators; forced-air cooling; individual channel modules; speaker-protection fuses; magnetic circuit breaker. XLR inputs; binding-post outputs. Switchable subsonic filters; signal-presence indicators; stereo/mono/dual switch; high-pass filter/flat switch; ground-lift jumper; LED display. S/N 106 dB; ch sep 80 dB at 1 kHz; slew rate 20 V/μs; damping factor 500. 3-yr warranty. 19 x 5¼ x 14½ in; 80 lb .....\$2,299

## GTB 330-W/ch Amplifier

2 channels. 330 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.15% THD, 495 x 2 into 4 ohms from 20 Hz-20 kHz with 0.25% THD, or 850 x 2 into 2 ohms from 20 Hz-20 kHz with 0.25% THD. Class AB operation; precision-stepped attenuators; forced-air cooling; individual channel modules; speaker-protection fuses; magnetic circuit breaker. XLR inputs; binding-post outputs. Switchable subsonic filters; signal-presence indicators; stereo/mono/dual switch; high-pass filter/flat switch; ground-lift jumper; LED display. S/N 106 dB; ch sep 75 dB at 1 kHz; slew rate 20 V/μs; damping factor 500. 3-yr warranty. 19 x 5¼ x 13 in; 57 lb .....\$1,599  
OP15-GTB. 18 dB/oct 2-way crossover card .....\$124  
OP06-GTB. Transformer-isolated inputs with rear-panel locking shaft .....\$99  
OPHPS-GTB. Gain controls .....\$75

## Performance Series

The following are designed for use in permanent or mobile installations. All are THX-certified.

## PS4 440-W/ch THX Amplifier

2 channels. 440 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.15% THD or 660 x 2 into 4 ohms from 20 Hz-20 kHz with 0.1% THD. Class AB operation; transient-free switching; DC speaker protection; modular design; forced-air cooling; welded steel chassis; short-circuit and thermal protection. XLR inputs; binding-post outputs. Stereo/mono switch; LED display; clipping-limiter switch; switch-selectable input configuration. S/N 100 dB; damping factor 200. 3-yr warranty. 19 x 3¼ x 18 in; 58 lb .....\$1,999  
PS3. As above, 330 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.15% THD or 500 x 2 rms into 4 ohms from 20 Hz-20 kHz with 0.1% THD. 19 x 3¼ x 13½ in; 40 lb .....\$1,399  
PS2. As above, 220 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.15% THD or 330 x 2 rms into 4 ohms from 20 Hz-20 kHz with 0.1% THD. No clipping-limiter switch. 19 x 3¼ x 13½ in; 37 lb .....\$999  
PS1. As PS2, 110 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.15% THD or 165 x 2 rms into 4 ohms from 20 Hz-20 kHz with 0.1% THD. 31 lb .....\$849

## Millennium Series

The following are designed for use in permanent or mobile installations. All are THX-certified.

## MIL3 330-W/ch THX Amplifier

2 channels. 330 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.15% THD or 500 x 2 rms into 4 ohms from 20 Hz-20 kHz with 0.1% THD. Class A/B design; Modular construction; transient-free switching; forced-air cooling; DC speaker protection; short-circuit protection; thermal protection; open circuit protection; subsonic protection; RF protection; 2-speed fan; clipping-elimination circuit. XLR inputs; touch-proof binding-post outputs. Adjustable high-pass filter; LED indicators; detented gain controls; removable front-panel knobs; on/off muting; high-pass filter; clipping-limiting switch. S/N 100 dB; damping factor 200. 19 x 5¼ x 14½ in; 44 lb .....\$1,259  
BGWMLX. 1/2 autotformer compatible with any Millennium Series power amp .....\$160  
BGWTMC-2. Theater crossover card with 500 Hz and 800 Hz switchable crossovers, switchable de-

*You* can listen to "Louie Louie" every day  
for the next **ten years** *and we guarantee*  
**you'll break down** **before we do.**



  
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# Power Amplifiers

lay line, master and high-frequency attenuators, and screen-compensation EQ. Compatible with MIL2 or MIL3 power amps .....\$149  
**MIL2.** As above, 220 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.15%THD or 330 x 2 rms into 4 ohms from 20 Hz-20 kHz with 0.1% THD. No clipping-elimination circuitry. 19 x 5 1/4 x 12 1/2 in; 44 lb .....\$899  
**MIL1.** As MIL2, 110 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.15% THD or 165 x 2 into 4 ohms from 20 Hz-20 kHz with 0.1% THD. 19 x 5 1/4 x 12 1/2 in; 38 lb .....\$699

## BLUE CIRCLE

### BC2 75-W Mono Amplifier

1 channel. 75 W into 8 ohms from 10 Hz-25 kHz +0, -0.2 dB. Class A single-ended design; hybrid-tube input; bipolar-transistor output. 1 RCA input; 1 dual binding-post output. 3-yr parts-and-labor warranty. 16 1/2 x 10 1/4 x 25 1/2 in; 104 lb ...\$6,000/pr

### BC6 25-W/ch Amplifier

2 channels. 25 W x 2 from 10 Hz-25 kHz into 8 ohms. Class A single-ended design; hybrid-tube input; bipolar-transistor output; vibration-dampening feet. 1 RCA input per channel; 1 dual binding-post output per channel. Brushed stainless-steel chassis. 3-yr parts-and-labor warranty. 25 1/4 x 6 1/4 x 14 1/4 in; 55 lb .....\$3,700

## BOULDER

### Model 2050 1,000-W Mono Amplifier

1 channel. 1,000 W into 2, 4, or 8 ohms from 5 Hz-200 kHz with 0.0005% THD. Class A operation; proprietary gain stages. XLR input with loop-through; custom speaker terminals. Remote turn-on. S/N 135 dBA .....\$59,000/pr

### Model 2060 600-W/ch Amplifier

2 channels. 600 W x 2 into 2, 4, or 8 ohms from 5 Hz-200 kHz with 0.0005% THD. Class A operation; proprietary gain stages. XLR input with loop-through; custom speaker terminals. Remote turn-on. S/N 135 dBA .....\$34,000

### Model 500 150-W/ch Amplifier

2 channels. 150 W x 2 cont into 8 ohms from 20 Hz-20 kHz with 0.0015% THD, 250 x 2 cont into 4 ohms, or 500 x 1 cont into 8 ohms. Switching between mono-balanced-output and stereo operation; 120/240-V operation. Slew rate 35 V/μs; damping factor 800 at 1 kHz. 17 x 7 1/4 x 16 1/2 in; 60 lb .....\$6,995  
**Model 500M.** As above, metal finish with rack handles .....\$6,295  
**Model 500AE.** As Model 500, 120-V operation only. Features 990-gain stage hand-built with 69 discrete components .....\$5,395  
**Model 102M.** As Model 500AE, not bridgeable. 100 W x 2 cont into 8 ohms from 20 Hz-2 kHz with 0.0015% THD or 170 x 2 cont into 4 ohms. Metal finish. 17 x 4 1/4 x 16 1/2 in .....\$4,295  
**Model 102AE.** As Model 102M, without metal finish .....\$3,995

## BRYSTON

*The following feature a 20-year warranty and a switch to separate system and audio grounds.*

**Model 9B-ST 600-W/ch Amplifier**  
 5 channels. 120 W x 5 into 8 ohms or 200 x 4 into 4 ohms. Separate power supplies for each channel; modular construction. Gold-plated XLR and RCA inputs. S/N 110 dB; slew rate 60 V/μs; damping factor 500. 19 x 5 1/4 x 16 in; 65 lb .....\$3,695  
**Model 9B-ST THX.** THX version of above with 12-V trigger .....\$3,795

### Model 8B-ST 480-W Amplifier

4 channels. 120 W x 4 into 8 ohms. 2-, 3-, or 4-channel operation. FR 0.5 Hz-50 kHz; THD 0.007%; slew rate 60 V/μs; damping factor 500. 19 x 5 1/4 x 15 1/2 in .....\$2,995  
**Model 5B-ST.** As above, 3 channels only ...\$2,465

### Model 7B-ST 500-W Mono Amplifier

1 channel. 500 W into 8 ohms. Soft-start circuitry; 2,496-square-in heat sink. Gold-plated XLR and RCA inputs. Series/parallel switch. FR 20 Hz-20 kHz; THD 0.01%; slew rate 60 V/μs; damping factor 300 into 8 ohms at 20 kHz. 19 x 5 1/4 x 15 1/2 in; 42 lb .....\$2,398  
**Model 7B-ST THX.** THX version .....\$2,495

### Model 4B-ST 250-W/ch Tube Amplifier

2 channels. 250 W x 2 into 8 ohms. Soft-start circuitry; input buffer. Gold-plated connectors; XLR and RCA inputs. LED indicators; mono/stereo switch. FR 20 Hz-20 kHz; THD 0.01%; slew rate 60 V/μs; damping factor 500 into 8 ohms at 20 Hz. 19 x 5 1/4 x 15 1/2 in; 42 lb .....\$2,397  
**Model 4B-ST THX.** THX version .....\$2,497

### Model 3B-ST 120-W/ch Amplifier

2 channels. 120 W x 2 into 8 ohms. Quad-complementary output section; 1,248-square-in heat sink. Gold-plated RCA and XLR inputs. Mono/stereo switch; LED Indicators. THD 0.01%; slew rate 60 V/μs; damping factor 500 into 8 ohms at 20 Hz. 19 x 5 1/4 x 9 in; 28 lb .....\$1,565  
**Model 3B-ST THX.** THX version .....\$1,695

### Model 2B-LP 60-W/ch Amplifier

2 channels. 60 W x 2 into 8 ohms. Discrete circuitry. Gold-plated 5-way binding posts and RCA connectors. Mono/stereo switch; LED indicators. THD 0.01%; slew rate 60 V/μs. 19 x 1 1/4 x 10 in; 48 lb .....\$850

## CARVER

### AV-753x 750-W THX Amplifier

3 channels. 250 W x 3 into 8 ohms, 400 x 3 into 4 ohms, or 750 x 2 into 2 ohms, all from 20 Hz-20 kHz with 0.08% THD. Proprietary system to increase single-channel power on demand. 3 analog meters; meter-range switch; meter-light switch; individual calibrated trim controls for each channel. S/N 115 dBA; ch sep 70 dB at 1 kHz; damping factor 150. 3-yr warranty. 19 x 5 1/4 x 20 in; 41 lb .....\$1,599

### A-760x 380-W/ch THX Amplifier

2 channels. 380 W x 2 into 8 ohms, 600 x 2 into 4 ohms, or 1,150 x 2 into 2 ohms, all from 20 Hz-20 kHz with 0.08% THD. Proprietary system to increase single-channel power on demand. 2 analog meters; meter-range switch; meter-light switch; individually calibrated trim controls for each channel. S/N 119 dBA; ch sep 70 dB at 1 kHz; damping factor 150; dynamic headroom 1.0 dB. 3-yr warranty. 19 x 5 1/4 x 18 1/2 in; 39 lb .....\$1,499

### Premiere AV-705x 625-W THX Amplifier

5 channels. 125 W x 5 into 8 ohms from 20-20 kHz with 0.03% THD. THX-certified; proprietary system to increase single-channel power on demand. S/N 115 dB. 19 x 5 1/4 x 18 1/2 in; 42 lb .....\$1,299

### A-500x 250-W/ch THX Amplifier

2 channels. 250 W x 2 into 8 ohms, 400 x 2 into 4 ohms, or 750 x 2 into 2 ohms, all from 20 Hz-20 kHz with 0.08% THD. Proprietary system to increase single-channel power on demand. 2 analog meters; meter-range switch; meter-light switch; individually calibrated level trim controls for each channel. S/N 117 dBA; ch sep 70 dB at 1 kHz; damping factor 150; dynamic headroom 1.0 dB. 3-yr warranty. 19 x 5 1/4 x 18 1/2 in; 29 lb .....\$999

### AV-505x 400-W Amplifier

5 channels. 80 W x 5 into 8 ohms from 20-20 kHz with 0.03% THD. Proprietary system to increase single-channel power on demand. S/N 110 dB. 19 x 5 1/4 x 18 1/2 in; 42 lb .....\$999

### A-220 110-W/ch Amplifier

2 channels. 110 W x 2 rms into 8 ohms or 175 x 2 into 4 ohms from 20 Hz-20 kHz with 0.08% THD. Proprietary technology provides damping at all frequencies. Two analog inputs. Dual analog power meters; meter-light switch; removable rack handles;

meters; meter-range switch; level controls for each channel. S/N 112 dBA; ch sep 70 dB; slew rate 30 V/μs; damping factor 150; dynamic headroom 1.0 dB. Grained-black anodized-aluminum finish. 3-yr warranty. 19 x 4 1/4 x 15 1/2 in; 27 lb .....\$599

### A-140 70-W/ch Amplifier

2 channels. 70 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.08% THD. Protection circuitry. Two analog inputs; two analog outputs. Removable rack handles; front-panel level controls; low-profile design; A/B speaker selector; rack mountable. S/N 112 dB; ch sep 70; slew rate 30 V/μs; dynamic headroom 1.0 dB. Grained-black anodized-aluminum finish. 3-yr warranty. 19 x 2 x 12 1/2 in; 13 lb .....\$399  
**Rack 1A.** Rack-mount kit for above .....\$19.99

## CARY AUDIO DESIGN

### CAD-1610 65-W Tube Mono Amplifier

1 channel. 65 W Class A1 operation or 100 W x 1 Class A2 operation. Westrex Western Electric 308B output triode tubes. RCA input; XLR input. Power-level eye; current-adjust meter. S/N 85 dB. 5-yr warranty. 17 x 12 x 22 in; 135 lb .....\$39,995/pr

### CAD-211M 80-W Tube Mono Amplifier

1 channel. 80 W. Input-signal gain stage employing a pair of 6SN7 dual-triode tubes; two 300B and two 845 tubes; wax-impregnated transformers with OFC wiring; silver double-E Teflon wire. XLR and RCA inputs; 4-, 8-, and 16-ohm copper speaker posts. 10 x 12 1/4 x 24 in; 90 lb .....\$14,495/pr

### SLM-200 200-W Tube Mono Amplifier

1 channel. 200 W. Eight KT-88 output tubes and two 6SN7 tubes; push-pull Class A/AB circuitry. FR 20 Hz-20 kHz. 12 1/4 x 8 1/2 x 24 in; 75 lb ...\$9,995/pr

### CAD-805C 50-W Tube Mono Amplifier

1 channel. 50 W. Single-ended Class A circuitry; 845 triode output tubes and 300B driver tubes. FR 20 Hz-23 kHz ±0.75 dB. 8 1/2 x 12 1/4 x 24 in; 75 lb .....\$8,995/pr

### CAD-845 25-W/ch Tube Amplifier

2 channels. 25 W x 2. Single-ended Class A circuitry; two 6SN7 input tubes; two 6BL7 driver tubes; two CV378 rectifier tubes; two 845 output tubes. FR 20 Hz-20 kHz ±0.75 dB. 90 lb .....\$5,995

### CAD-300SE Signature 12-W Tube Mono Amplifier

1 channel. 12 W. Single-ended triode tube design in Class A circuitry; 300B triode tubes; point-to-point hand-wiring. FR 9 Hz-23 kHz ±0.75 dB. 5 1/2 x 7 x 19 in; 30 lb .....\$4,795/pr

### SLM-100 100-W Tube Mono Amplifier

1 channel. 100 W into 8 or 4 ohms. Push-pull Class A/AB circuitry; one 6N7 predriver; one 6SN7 phase inverter; four KT-88 power-output tubes; epoxy-coated steel chassis. FR 9 Hz-30 kHz ±0.75 dB. 10 x 6 x 20 in; 40 lb .....\$3,695/pr  
 Chrome chassis for above .....\$500

### CAD-2A3SE 5-W/ch Tube Amplifier

2 channels. 5 W x 2 into 8 ohms from 15 Hz-43 kHz with 1% THD. Single-ended Class A operation. One RCA input; one 5-way binding post output. 4/8-ohm switch. S/N 90 dB; damping factor 3. Black epoxy-coated steel with black anodized aluminum face plate. 6 x 5 1/2 x 19 in; 25 lb .....\$2,995/pr

### CAD-50M MkII 50-W Tube Mono Amplifier

1 channel. 50 W. Push-pull Class A operation; one 6SL7 input tube and two KT-88 tubes per channel; chrome chassis. FR 15 Hz-23 kHz ±0.75 dB. 27 lb .....\$2,495/pr

### CAD-572SE 20-W Tube Amplifier

2 channels. 20 W x 2 into 8 ohms from 15 Hz-23 kHz with 0.3% THD. Single-ended Class A operation. One RCA input; one 5-way binding-post output. Stand-by switch. S/N 70 dB. Black epoxy-coated steel with gold anodized aluminum face plate. 3-yr warranty. 5 1/2 x 6 x 19 in; 25 lb .....\$2,495/pr

# Power Amplifiers

## SLA-80 80-W/ch Tube Amplifier

2 channels. 80 W x 2. Push-pull ultralinear circuitry; two 12AU7 input buffer tubes; two 6SN7 pre-driver/phase inverter tubes; four KT-88 output tubes; two CV729/5U4 rectifier tubes. FR 19 Hz-23 kHz  $\pm 0.5$  dB. 42 lb .....\$2,495

## CELLO

### Performance II 200-W Mono Amplifier

1 channel. 200 W into 8 ohms or 400 x 1 into 4 ohms. Class AB1 design with noninverting polarity; separate dual-choke power supply. XLR input. THD 0.1%; S/N 105 dB; damping factor 200; dynamic headroom 2.7 dB. Amp or power supply  $1\frac{1}{2}$  x  $8\frac{1}{2}$  x  $1\frac{1}{2}$  in; 45 lb. 4 boxes .....\$25,000  
Bridging kit .....\$555

### Encore 150-W Mono Amplifier

1 channel. 150 W into 8 ohms or 300 x 1 into 4 ohms. Nonbridgeable Class AB2 design with noninverting polarity. XLR input. THD 0.1%; S/N 110dB; damping factor 200; dynamic headroom 3 dB. 19 x 7 x 21 in; 98 lb .....\$18,000/pr

### Duet 350 350-W/ch Amplifier

2 channels. 350 W x 2 into 8 ohms or 600 W x 2 into 4 ohms. Bridgeable Class AB design with noninverting polarity. XLR inputs. THD 0.3%; S/N 100 dB; damping factor 100; dynamic headroom 1.8 dB. 19 x  $12\frac{1}{2}$  x  $23\frac{1}{2}$  in; 95 lb .....\$9,500

### Encore 50-W/ch Amplifier

2 channels. 50 W x 2 into 8 ohms or 100 x 2 into 4 ohms. Bridgeable Class AB2 design with noninverting polarity. XLR inputs. Available as 2 mono amps. THD 0.3%; S/N 100 dB; damping factor 80; dynamic headroom 1.8 dB. 19 x 5 x  $13\frac{1}{2}$  in; 28 lb .....\$7,000  
Bridging kit .....\$390

## CHIRO BY KINERGETICS

### C-500 600-W Amplifier

5 channels. 120 W x 5 into 8 ohms or 280 x 5 into 3.2 ohms. Class AB design; remote on/off trigger; 1 KVA toroidal transformer; no phase inversion.  $17\frac{1}{4}$  x  $8\frac{1}{2}$  x 16 in; 54 lb .....\$1,998

### C-300 360-W Amplifier

3 channels. 120 W x 3 into 8 ohms or 280 x 3 into 3.2 ohms. Class AB design; remote on/off trigger; 1 KVA toroidal transformer; no phase inversion.  $17\frac{1}{4}$  x  $5\frac{1}{2}$  x 16 in; 45 lb .....\$1,498

### C-200 120-W/ch Amplifier

2 channels. 120 W x 2 into 8 ohms or 280 x 2 into 3.2 ohms. Class AB design; remote on/off trigger; no phase inversion.  $17\frac{1}{4}$  x  $5\frac{1}{2}$  x 16 in; 41 lb .....\$998

### C-190 140-W THX Subwoofer Amplifier

1 channel. Designed for subwoofers. 140 W rms into 8 ohms or 200 x 1 rms into 4 ohms, both from 20 Hz-20 kHz with 0.08% THD. Class A/B design; patented circuitry. Right and left RCA inputs and outputs; THX mono input; 5-way binding-post for speaker terminal. Remote trigger jack for turn-on/off; level control; crossover at 80 Hz. Slew rate 65 V/ $\mu$ s. 3-yr parts-and-labor warranty.  $17\frac{1}{4}$  x  $3\frac{3}{4}$  x  $9\frac{1}{4}$  in; 15 lb .....\$798

## CHORD

### SPM 5000 415-W/ch Amplifier

2 channels. 415 W x 2 into 8 ohms or 800 x 2 into 4 ohms, both with 0.05% THD. 2 gold-plated XLR inputs; 2 gold-plated RCA phono inputs; gold-plated binding-posts. S/N 103 dB; ch sep 95 dB; slew rate 70 V/ $\mu$ s. 5-yr warranty.  $16\frac{1}{2}$  x  $11\frac{1}{2}$  x 14 in; 77 lb .....\$21,000

### SPM 3000B 1,260-W Amplifier

4 channels. 315 W x 4 into 8 ohms with 0.03% THD. 4 gold-plated XLR inputs; 4 gold-plated RCA phono inputs. S/N 103 dB; ch sep 95 dB; slew rate 70 V/ $\mu$ s. 5-yr warranty.  $16\frac{1}{2}$  x  $11\frac{1}{2}$  x 14 in; 70 lb .....\$13,000

### SPM 2000 960-W Amplifier

6 channels. 160 W x 6 into 8 ohms with 0.05% THD. 6-channel input box into 7-way XLR socket; 6 pair rhodium binding posts. S/N 98 dB; ch sep 95 dB; slew rate 60 V/ $\mu$ s. 5-yr warranty.  $16\frac{1}{2}$  x  $5\frac{1}{2}$  x 14 in; 40 lb .....\$8,500

*Except where noted, the following units have 2 gold-plated XLR inputs, 2 gold-plated RCA inputs, and 8 binding posts.*

### SPM 1600 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms, 300 x 2 into 4 ohms, or 512 x 2 into 2 ohms, all with 0.05% THD. S/N 103 dB; ch sep 95 dB; slew rate 70 V/ $\mu$ s. 5-yr warranty.  $16\frac{1}{2}$  x  $5\frac{1}{2}$  x 14 in; 35 lb .....\$7,500

### SPM 1800 800-W Amplifier

4 channels. 200 W x 4 into 8 ohms, 300 x 4 into 4 ohms, or 512 x 2 into 2 ohms, all with 0.05% THD. S/N 103 dB; ch sep 95 dB; slew rate 70 V/ $\mu$ s. 5-yr warranty.  $16\frac{1}{2}$  x  $5\frac{1}{2}$  x 14 in; 35 lb .....\$7,500

### SPM 1200C 315-W/ch Amplifier

2 channels. 315 W x 2 into 8 ohms, 470 x 2 into 4 ohms, or 650 x 2 into 2 ohms, all with 0.03% THD. S/N 103 dB; ch sep 95 dB; slew rate 70 V/ $\mu$ s. 5-yr warranty.  $16\frac{1}{2}$  x  $5\frac{1}{2}$  x 14 in .....\$6,250

### SPM 1400 350-W/ch Amplifier

2 channels. 350 W x 2 into 8 ohms, 500 x 2 into 4 ohms, or 680 x 2 into 2 ohms, all with 0.03% THD. S/N 103 dB; slew rate 70 V/ $\mu$ s. 5-yr warranty.  $16\frac{1}{2}$  x  $5\frac{1}{2}$  x 14 in; 35 lb .....\$6,250

### SPM 1200B 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms, 380 x 2 into 4 ohms, or 512 x 2 into 2 ohms, all with 0.05% THD. S/N 103 dB; ch sep 95 dB; slew rate 70 V/ $\mu$ s. 5-yr warranty.  $16\frac{1}{2}$  x  $5\frac{1}{2}$  x 14 in; 35 lb .....\$5,750

### SPM 1000B 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms, 300 x 2 into 4 ohms, or 360 x 2 into 2 ohms, all with 0.05% THD. S/N 100 dB; ch sep 95 dB; slew rate 60 V/ $\mu$ s. 5-yr warranty.  $16\frac{1}{2}$  x  $5\frac{1}{2}$  x 14 in; 31 lb .....\$4,500

### SPM 800 160-W/ch Amplifier

2 channels. 160 W x 2 into 8 ohms, 250 x 2 into 4 ohms, or 320 x 2 into 2 ohms, all with 0.05% THD. S/N 98 dB; ch sep 95 dB; slew rate 60 V/ $\mu$ s. 5-yr warranty.  $12\frac{1}{2}$  x  $5\frac{1}{2}$  x 14 in; 20 lb .....\$3,750

### SPM 600 130-W/ch Amplifier

2 channels. 130 W x 2 into 8 ohms, 170 x 2 into 4 ohms, or 200 x 2 into 2 ohms, all with 0.05% THD. S/N 103 dB; ch sep 95 dB; slew rate 70 V/ $\mu$ s. 5-yr warranty.  $16\frac{1}{2}$  x  $3\frac{3}{4}$  x 14 in; 20 lb .....\$2,750

### SPM 400 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms, 130 x 2 into 4 ohms, or 150 x 2 into 2 ohms, all with 0.05% THD. 4 rhodium binding posts. S/N 103 dB; ch sep 95 dB; slew rate 70 V/ $\mu$ s. 5-yr warranty.  $12\frac{1}{2}$  x  $3\frac{3}{4}$  x 14 in; 20 lb .....\$2,100

## CINEPRO

*The following models carry a 3-year parts-and-labor warranty.*

### Model 3k6 2,100-W Amplifier

6 channels. 350 W x 6, 1,000 x 1 + 350 x 4, 1,000 x 2 + 350 x 2, or 1,000 x 3, all into 8 ohms; 500 x 6 into 4 ohms. Class A/AB; temperature-controlled fan cooling; discrete circuitry; photo-optical antialiasing circuit; 60 triple-diffused bipolar output transistors. Gold-plated RCA and XLR inputs. Rear-panel bridging switches and ground-lift switch; front-panel level controls and signal/clipping indicators; remote power trigger control; rack mountable. FR 3 Hz-175 kHz; S/N 110 dB; dynamic headroom 3.5 dB. 19 x 8 x  $15\frac{1}{2}$  in; 72 lb .....\$3,495

### Model 2k5 1,350-W Amplifier

5 channels. 225 W x 4 + 450 W x 1 into 8 ohms or

$360\text{ x }4 + 600\text{ x }1$  into 4 ohms, all from 20 Hz-20 kHz with 0.015% THD. 36 Motorola triple-diffused bipolar output transistors; all-discrete low negative feedback circuitry. 5 XLR inputs; 5 gold-plated RCA inputs. Ground-lift switch; front-panel level controls; signal indicator LEDs; clipping LEDs. S/N 108 dB; ch sep 65 dB; slew rate 60 V/ $\mu$ s; damping factor 900; dynamic headroom 3.5 dB.  $\frac{1}{2}$ -in milled-aluminum face. 3-yr parts-and-labor warranty. 19 x 8 x 15 in; 60 lb .....\$2,495

### Model Ik2 350-W/ch Amplifier

2 channels. 350 W x 2 into 8 ohms with 0.15% THD, 500 x 2 into 4 ohms, or 750 x 2 into 2 ohms; 1,000 x 1 bridged mono. Fully differential, discrete circuitry; low-feedback for low TIM distortion; high-current output stage; silent 2-speed fan cooling. RCA and XLR inputs. Front-panel level controls; front-panel signal and clipping indicators; rack mountable. FR 3 Hz-150 kHz; S/N 108 dB; slew rate 60 V/ $\mu$ s; dynamic headroom 3.5 dB. 19 x  $5\frac{1}{4}$  x 14 in; 40 lb .....\$1,495

### Model 700x2 220-W/ch Amplifier

2 channels. 220 W x 2 into 8 ohms with 0.015% THD, 330 x 2 into 4 ohms, or 550 x 2 into 2 ohms. Discrete circuitry; low negative feedback. RCA and XLR inputs. Front-panel signal and clipping indicators. FR 3 Hz-95 kHz  $\pm 3$  dB; S/N 105 dB; slew rate 50 V/ $\mu$ s; dynamic headroom 3.0 dB.  $18\text{ x }5\frac{1}{2}\text{ x }12\frac{1}{2}$  in; 38 lb .....\$995

## Special Edition Series

### Model 3k6SE 2,250-W Amplifier

6 channels. 375 W x 6 into 8 ohms from 15 Hz-25 kHz with 0.15% THD or 600 W x 6 into 4 ohms from 15 Hz-25 kHz with 0.25% THD. 1,100-joule energy storage; temperature-controlled cooling system; photo-optical anti-clipping circuit; low negative feedback; extended Class A and AB operation. 6 gold-plated RCA inputs; 6 gold-plated XLR inputs. Rear-panel bridging switches; rear-panel ground-lift switch; individual signal and clipping LEDs for each channel. S/N 110 dB; ch sep 70 dB; slew rate 65 V/ $\mu$ s; damping factor 1,100; dynamic headroom 3.4 dB. Hard  $\frac{1}{2}$ -in thick anodized front panel. 3-yr parts-and-labor warranty. 19 x 8 x 16 in; 80 lb .....\$5,995

### Model Ik2SE 375-W/ch Amplifier

2 channels. 375 W x 2 or 1,200 x 1 into 8 ohms, 600 x 2 or 1,400 x 1 into 4 ohms, 800 x 2 or 1,600 W x 1 into 2 ohms, all from 1-80 kHz  $\pm 3$  dB with 0.015% THD. 650-joule power supply; low negative feedback; extended Class A and AB operation. 2 gold-plated RCA inputs; 2 gold-plated XLR inputs. Front-panel 20-ampere circuit breaker; rear-panel ground-lift switch; rear-panel stereo/mono bridging switch. S/N 112 dB; ch sep 75 dB; slew rate 65 V/ $\mu$ s; damping factor 800; dynamic headroom 3.5 dB. 3-yr warranty. 19 x 7 x 14 in; 50 lb .....\$2,495

## CITATION

### Model 7.1 600-W Amplifier

4 channels. 150 W x 4 or 450 x 2 into 8 ohms, 240 x 4 into 4 ohms. THX-certified; proprietary linearization circuitry; separate power supplies for each channel. FR 5 Hz-200 kHz  $\pm 3$  dB; THD 0.03%.  $17\frac{1}{4}$  x  $7\frac{1}{2}$  x 16 in; 75 lb .....\$2,800  
**Model 5.1.** As above, THX-certified for use with Citation dual-drive dipoles. 100 W x 4 into 8 ohms, 175 x 4 into 4 ohms, or 300 x 2 into 8 ohms.  $17\frac{1}{4}$  x  $5\frac{1}{4}$  x 16 in; 55 lb .....\$1,850

## CLASSÉ

*The following two-channel models feature differential amp circuits from input to output, a magnetic-flux-controlled transformer cover (except CA-100 and CA-150), and switchable balanced or mono operation.*

### Omega 450-W/ch Amplifier

2 channels. 450 W x 2 into 8 ohms or 2,500 x 2 into 1 ohm. Dual-mono design; symmetrical circuit topology. RCA and XLR inputs; infrared input and

# Power Amplifiers

output. Bridgeable mono. Silver with black trim-  
ming. 5-yr warranty. 250 lb .....\$15,000

## CA-400 400-W/ch Amplifier

2 channels. 400 W x 2 from 20 Hz-20 kHz with 0.004% THD into 8 ohms. Class AB. RCA and XLR inputs. S/N 137 dB. Black or silver faceplate. 5-yr warranty. 19 x 9 1/2 x 23 in; 120 lb .....\$5,500

## CA-300 300-W/ch Amplifier

2 channels. 300 W x 2 from 20 Hz-20 kHz with 0.007% THD into 8 ohms. RCA and XLR inputs. S/N 135 dB. Black or silver faceplate. 5-yr warranty. 19 x 8 1/2 x 21 in; 85 lb .....\$4,250

## CAV-150 900-W Amplifier

6 channels. 150 W x 6 from 20 Hz-20 kHz with 0.004% THD into 8 ohms, 300 W + 150 W x 4, 300 W x 2 + 150 W x 2, or 300 W x 3. Power configuration via external switches. 6 RCA inputs; 2 XLR inputs. Bridgeable in any power configuration. S/N 135 dB. Black or silver faceplate. 5-yr warranty. 19 x 6 1/4 x 21 1/2 in; 70 lb .....\$3,595

## CA-200 200-W/ch Amplifier

2 channels. 200 W x 2 from 20 Hz-20 kHz with 0.004% THD into 8 ohms. RCA and XLR inputs. S/N 135 dB. Black or silver faceplate. 19 x 7 1/4 x 18 1/2 in; 60 lb .....\$2,995

## CA-150 150-W/ch Amplifier

2 channels. 150 W x 2 from 20 Hz-20 kHz with 0.006% THD into 8 ohms. Class AB operation. RCA and XLR inputs. S/N 132 dB. Black or silver faceplate. 5-yr warranty. 19 x 7 x 16 1/2 in; 47 lb ...\$2,295

## CAV-75 450-W Amplifier

6 channels. 75 W x 6 from 20 Hz-20 kHz with 0.004% THD into 8 ohms, 150 x 1 + 75 W x 4, 150 x 2 + 75 W x 2, or 150 W x 3. 6 RCA inputs. S/N 135 dB. 5-yr warranty. 19 x 5 1/2 x 15 in; 40 lb ...\$1,995

## CA-100 100-W/ch Amplifier

2 channels. 100 W x 2 or 350 x 1 into 8 ohms; 200 x 2 or 600 x 1 into 4 ohms. RCA and XLR inputs. FR 20 Hz-20 kHz -0.1 dB; S/N 128 dB. Black or silver faceplate. 5-yr warranty. 19 x 5 1/2 x 14 1/4 in; 35 lb .....\$1,495

## CLAYTON AUDIO

### M-70 70-W Mono Amplifier

1 channel. 70 W rms into 8 ohms or 140 x 1 rms into 4 ohms, both from 5 Hz-20 kHz with 0.1% THD. Class A design; thermal protection. RCA input; 4-way binding posts. Power-on sequence control; bias switch; LED power and fault indicators. 3-yr warranty. 9 1/4 x 20 x 9 in; 45 lb .....\$5,600/pr  
**Clayton Power Cord, 2-m power cord for M-70 or S-40** .....\$300

### S-40 40-W/ch Amplifier

2 channels. 40 W x 2 rms into 8 ohms or 80 x 2 into 4 ohms, both from 5 Hz-20 kHz with 0.1% THD. Pure Class A design; thermal control. RCA input; 4-way binding posts. Power-on sequence control. 3-yr warranty. 9 1/4 x 20 x 9 in; 48 lb .....\$2,950

## CODA

### Model 200 200-W/ch Amplifier

2 channels. 200 W x 2, 200 x 1 split-channel mono, or 800 x 1, all into 8 ohms from 20 Hz-20 kHz. Independently regulated power supply; precision bias with Class A operation; FET input with bipolar current gain; no overall feedback; DC-coupled design; independent rectification and supply capacitors for each channel; anodized chassis; gold-plated circuit boards; selectable loading between balanced and unbalanced input connectors. THD 0.1% at 200 W into 1 to 8 ohms; S/N 100 dB; slew rate 50 V/ $\mu$ s. 10-yr warranty. Gain unit 19 x 2 1/2 x 9 1/4 in; each amp 19 x 8 x 19 inch; 135 lb .....\$12,950

### Model 100 100-W/ch Amplifier

2 channels. 100 W x 2 or 400 x 1, both into 8 ohms

from 20 Hz-20 kHz. Separate voltage and current amps; Class A operation; FET input with bipolar current gain; no overall feedback; DC-coupled design; independent rectification and supply capacitors for each channel; gold circuit boards; anodized chassis. XLR and RCA inputs. Slew rate 50 V/ $\mu$ s. 10-yr warranty .....\$6,950

### Model 20.5 200-W/ch Amplifier

2 channels. 200 W x 2 or 800 x 1, both from 20 Hz-20 kHz into 8 ohms. Class A/AB operation with Class A up to 50 W rms; FET input with bipolar current gain; no overall feedback; DC-coupled design; independent rectification and supply capacitors for each channel; gold-plated circuit boards; anodized chassis. XLR and RCA inputs. Slew rate 50 V/ $\mu$ s. 10-yr warranty. 19 x 7 x 19 in .....\$5,250

**Model 11.5.** As above, 100 W x 2 or 400 x 1. Class A; no Class AB .....\$5,250

**Model 10.5.** As Model 20.5, 100 W x 2 or 400 x 1. 19 x 5 1/4 x 12 1/2 in .....\$2,950

### V10 400-W Amplifier

4 channels. 100 W x 4, 100 x 2 + 400 x 1, or 400 x 2, all into 8 ohms from 20 Hz-20 kHz, with THD 0.1% at 100 into 2 to 8 ohms. Class A/AB operation with Class A operation to 8 W rms into 8 ohms; FET input with bipolar current gain; no overall feedback; DC-coupled design; gold-plated circuit boards. XLR and RCA inputs. S/N 100 dB; slew rate 50 V/ $\mu$ s. 10-yr warranty .....\$3,150

## CONRAD-JOHNSON

### Premier Eight-A 275-W Tube Mono Amplifier

1 channel. 275 W. Proprietary output transformers with small-signal bypass beyond 500 kHz. LED bias indicators. 19 x 9 1/2 x 20 in; 85 lb .....\$8,495  
**Premier Twelve.** As above, 140 x 1. 17 1/2 x 7 1/4 x 15 1/4 in; 54 lb .....\$3,495  
**Premier Eleven-A.** 2-channel, 70 W x 2 .....\$3,495

### Premier 300SA 300-W/ch Amplifier

2 channels. 300 W x 2 rms into 8 ohms with 1% THD. JFET input stage; Class AB output stage; low-feedback design. RCA input jacks; 5-way binding posts for speaker connections. Brushed-aluminum champagne-gold panel. 3-yr warranty .....\$6,995

### MF2500 225-W/ch Amplifier

2 channels. 225 W x 2 rms into 8 ohms with 1% THD. JFET input stage; class AB output stage; low-feedback design. Single-ended RCA input jacks; 5-way binding posts for speaker connections. Brushed-aluminum champagne-gold panel. 3-yr warranty. 55 lb .....\$3,495

### MF2250 125-W/ch Amplifier

2 channels. 125 W x 2 rms into 8 ohms with 1% THD. JFET input stage; Class AB design; low-feedback design. Single-ended RCA input jacks; 5-way binding posts for speaker connections. Brushed-aluminum champagne-gold panel. 3-yr warranty. 45 lb .....\$2,395

### MV55 45-W/ch Tube Amplifier

2 channels. 45 W x 2 ultralinear mode or 25 x 2 triode mode. Two EL34 output tubes per channel. LED bias indicators. 17 1/2 x 7 x 12 1/2 in; 39 lb .....\$1,995

## CONTINUUM

### Model 4-3-2 400-W Amplifier

4 channels. 100 W x 4, 100 x 2 + 400 x 1, or 400 x 2 into 8 ohms from 20 Hz-20 kHz. Class A/AB with pure Class A at low levels; no overall feedback; independent dual transformer rectification. Channel-status indicators. Slew rate 50 V/ $\mu$ s. 5-yr limited warranty. 17 x 5 1/2 x 14 in; 45 lb .....\$1,895

### Continuum Audio Stage 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms or 400 W x 2 into 4 ohms from 20 Hz-20 kHz with 0.01% THD. Class A/AB with pure Class A at low levels; FET differential input with wideband bipolar transistor outputs; Independent dual transformer rectifica-

tion. Choice of AC coupled RCA Input or DC-XLR input. S/N 100 dB; slew rate 50 V/ $\mu$ s. 5-yr limited warranty. 16 1/4 x 6 x 14 in .....\$1,795

## CREEK

### A52SE 80-W/ch Amplifier

2 channels. 80 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.03% THD or 240 x 1. Fully balanced FET input circuitry. 1 input; 2 outputs. Adjustable low-frequency roll-off to tune system sound; 2-zone speaker switching. S/N 105 dB; slew rate 60 V/ $\mu$ s. Black. 16 1/2 x 2 x 11 in; 17 lb .....\$1,095

**A52.** As above, 70 W x 2 or 180 x 1. 16 1/2 x 2 x 11 in; 13 lb .....\$895

### A43 50-W/ch Amplifier

2 channels. 50 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.03% THD or 100 W x 1 into 4 ohms. Bipolar input stage; proprietary voltage and current source; MOSFET output stage. 16 1/2 x 2 1/2 x 9 in; 12 lb ...\$695

## CREST

*The following feature channel attenuators, protection circuitry, an active clipping limiter, a 2-speed fan, stereo/bridged mono mode select switch, TRS and barrier-strip inputs, and 5-way binding post outputs.*

### V1500 400-W/ch Amplifier

2 channels. 400 W x 2 or 1,500 x 1 into 8 ohms; 750 x 2 or 2,000 x 1 into 4 ohms; 1,000 x 2 into 2 ohms. FR 10 Hz-65 kHz; THD 0.1%; S/N 105 dB; slew rate 60 V/ $\mu$ s; damping factor 1,000 at 100 Hz. 19 x 5 1/4 x 13 1/4 in; 42 lb .....\$1,390

### V1100 300-W/ch Amplifier

2 channels. 300 W x 2 or 1,100 x 1 into 8 ohms; 550 x 2 or 1,400 x 1 into 4 ohms; 700 x 2 into 2 ohms. FR 10 Hz-65 kHz; THD 0.1%; S/N 105 dB; slew rate 40 V/ $\mu$ s; damping factor 1,000 at 100 Hz. 19 x 5 1/4 x 13 1/4 in; 41 lb .....\$1,160

### V900 250-W/ch Amplifier

2 channels. 250 W x 2 or 900 x 1 into 8 ohms; 450 x 2 or 1,100 x 1 into 4 ohms; 550 x 2 into 2 ohms. FR 10 Hz-65 kHz; THD 0.1%; S/N 105 dB; slew rate 40 V/ $\mu$ s; damping factor 1,000 at 100 Hz. 19 x 5 1/4 x 12 in; 36 lb .....\$900

### V650 200-W/ch Amplifier

2 channels. 200 W x 2 or 650 x 1 into 8 ohms; 325 x 2 or 850 x 1 into 4 ohms; 425 x 2 into 2 ohms. FR 10 Hz-65 kHz; THD 0.1%; S/N 105 dB; slew rate 40 V/ $\mu$ s; damping factor 800 at 100 Hz. 19 x 5 1/4 x 12 in; 33 lb .....\$780

### V450 150-W/ch Amplifier

2 channels. 150 W x 2 or 450 x 1 into 8 ohms; 225 x 2 or 650 x 1 into 4 ohms; 325 x 2 into 2 ohms. FR 10 Hz-65 kHz; THD 0.1%; S/N 105 dB; slew rate 40 V/ $\mu$ s; damping factor 700 at 100 Hz. 19 x 5 1/4 x 12 in; 33 lb .....\$660

## CROWN INTERNATIONAL

### Reference Series

#### REF 1 780-W/ch Amplifier

2 channels. 780 W x 2 into 8 ohms or 1,160 x 2 into 4 ohms, or 2,220 x 1 into 8 ohms, all at 0.1% THD. Grounded-bridge output topology; input/output comparator circuitry; soft-start circuitry; cooling fan. Two XLR phone jacks; two XLR connectors for signal-processor modules; two sets of color-coded 5-way binding posts per channel. Front-panel enable switch; front-panel precision 31-step detented level controls for each channel; stereo/bridge mono/parallel mono switch; ground-lift switch; reset switch; dynamic range/level meter. Signal processing modules optional. S/N 120 dB; ch sep 100 dB; dynamic headroom 2 dB. Gloss-black finish. 3-yr warranty. 19 x 7 x 16 in; 60 lb .....\$3,950  
**REF 2.** As above, 355 W x 2 into 8 ohms, 550 x 2 into 4 ohms, or 1,100 x 1 into 8 ohms. S/N 117 dB. 19 x 7 x 16 in; 56 lb .....\$2,750

# Power Amplifiers

## K Series

### K2 475-W/ch Amplifier

2 channels. 475 W x 2 into 8 ohms, 800 x 2 into 4 ohms, 1,250 x 2 into 2 ohms, 1,600 x 1 into 8 ohms, or 2,500 x 1 into 4 ohms, all with 0.1% THD. Patented circuit design reduces heat generation. Phone-plug and XLR connectors for each channel; 5-way dual binding posts. Calibrated detented level controls; LED display. S/N 100 dB; dynamic headroom 1 dB. Black-powder coat. 3-yr warranty. 19 x 3 1/2 x 16 in; 38 lb .....\$1,795

**K1.** As above, 350 W x 2 into 8 ohms, 550 x 2 into 4 ohms, 750 x 2 into 2 ohms, 1,100 x 1 into 8 ohms, or 1,500 x 1 into 4 ohms, all with 0.1% THD. 32 lb .....\$1,495

## DB SYSTEMS

### DB-6A 40-W/ch Amplifier

2 channels. 40 W x 2 rms into 8 ohms with 0.003% THD or 60 x 2 rms into 4 ohms with 0.01% THD, both from 20 Hz-20 kHz. 12-dB/oct Butterworth subsonic filter; speaker-protection fuses. Gold-plated connectors. LED clipping indicators. Rack-mount optional. Slew rate 15 V/μs; damping factor 400 from 20 Hz-1 kHz. 5-yr transferable warranty. 16 x 5 x 12 1/2 in; 18 lb .....\$910

**DB-6A-M.** As above, mono. 140 W cont into 8 ohms with 0.008% THD or 225 x 1 cont into 4 ohms with 0.02% THD, both from 20 Hz-20 kHz. Slew rate 30 V/μs; damping factor 200 from 20 Hz-1 kHz .....\$910

## DENON

### POA-S1 250-W Mono Amplifier

1 channel. 250 W into 8 ohms from 20 Hz-20 kHz with 0.05% THD, 500 x 1 into 4 ohms, 1,000 x 1 into 2 ohms, or 1,400 x 1 into 1 ohm. UHC-MOS high-current amplification device combining sound quality of MOSFETs and power capability of bipolar transistors; single push-pull current circuit; inverted Sigma balance circuit for signal purity; direct mechanical ground; aluminum sand-cast frame. RCA input; XLR input; gold-plated speaker binding posts. S/N 120 dB. Champagne-gold front panel and chassis cover. 19 x 10 1/4 x 27 in; 175 lb .....\$2,000

### POA-8300 360-W THX Amplifier

3 channels. 120 W x 3 into 8 ohms from 20 Hz-20 kHz with 0.02% THD or 200 W x 3 into 4 ohms with 0.5% THD at 1 kHz. THX-certified. 3 RCA input jacks; 3 sets of binding-post speaker connectors with biwiring. S/N 110 dB. Black front panel and chassis cover. 17 1/2 x 5 1/4 x 14 in; 35 lb .....\$1,499

**POA-8200.** As above, 120 W x 2 into 8 ohms from 20 Hz-20 kHz; 27 lb .....\$999

## DON J. COCHRAN

### Delta Mode II 200-W Mono Amplifier

1 channel. 200 W cont into 4 or 8 ohms with 0.07% THD. Vacuum-tube or solid-state voltage-amp section; differential signal-path topology; balanced-bridge output; separate power supplies for voltage- and current-amp sections; input isolation with voltage-follower buffers; OFC signal and DC-power wiring; aluminum case; fuse speaker-load protection; thermal protection. RCA, XLR, and screw-type inputs. 5-position XLR attenuator for gain setting. Rack-mount assembled-pair configuration optional. S/N 100 dB; slew rate 65 V/μs. 8 1/2 x 5 1/4 x 14 in; 29 lb .....\$6,800/pr

## DPA DIGITAL

### DPA 200S 100-W/ch Amplifier

2 channels. 100 W x 2 or 200 x 1, both into 8 ohms. High-gain bandwidth topology; high RF immunity; Class A operation .....\$1,460

## EDGE

*The following feature gold-plated binding post outputs, and use only N-channel output transistors for tolerances of under 1%.*

### Signature One 400-W/ch Amplifier

2 channels. 400 W x 2 into 8 ohms. Two power, two output chassis. 350 lb .....\$25,000

### M12 300-W/ch Amplifier

2 channels. 300 W x 2 into 8 ohms or 600 x 2 into 4 ohms. FR 2 Hz-100 kHz; THD 0.002%; slew rate 150 V/μs; dynamic headroom 8 dB. 175 lb .....\$13,600

### M10 220-W/ch Amplifier

2 channels. 220 W x 2 into 8 ohms or 440 x 2 into 4 ohms. FR 2 Hz-100 kHz; THD 0.002%; slew rate 150 V/μs; dynamic headroom 5 dB. 140 lb .....\$8,350

### M8 170-W/ch Amplifier

2 channels. 170 W x 2 into 8 ohms or 340 x 2 into 4 ohms. FR 2 Hz-100 kHz; THD 0.002%; slew rate 150 V/μs; dynamic headroom 5 dB. 69 lb .....\$4,150

### M6 120-W/ch Amplifier

2 channels. 120 W x 2 into 8 ohms or 240 x 2 into 4 ohms. FR 2 Hz-100 kHz; THD 0.002%; slew rate 150 V/μs; dynamic headroom 5 dB. 57 lb .....\$2,565

### M4 70-W/ch Amplifier

2 channels. 70 W x 2 into 8 ohms or 140 x 2 into 4 ohms. FR 2 Hz-100 kHz; THD 0.002%; slew rate 150 V/μs; dynamic headroom 3 dB. 44 lb .....\$1,550

### AV5 375-W Amplifier

5 channels. 75 W x 5 into 8 ohms or 130 x 5 into 4 ohms, both with 0.02% THD. Slew rate 80 V/μs; dynamic headroom 1.2 dB .....\$1,250

**AV3.** As above, 75 W x 3 into 8 ohms or 130 x 3 into 4 ohms .....\$899

**AV2.** As above, 75 W x 2 into 8 ohms or 130 x 2 into 4 ohms .....\$750

## FENTON AUDIO

### Steeleobate II 300-W Mono Amplifier

1 channel. 300 W cont into 8 ohms or 600 W x 1 cont into 4 ohms. Water cooled; optical isolation; Class A/AB output operation. XLR inputs; RCA inputs. Auto-on. THD 0.022%; slew rate 100 V/μs. Architectural concrete. 25 x 5 x 25 in; 105 lb .....\$2,300/pr

## GOLDEN THEATER

### GTA-1 750-W Amplifier

5 channels. 150 W x 5 rms into 8 ohms from 20 Hz-20 kHz with 0.06% THD. 5 gold-plated RCA inputs; 5-way binding posts. Adjustable gain on each channel. Black brush-finished 3/4-in aluminum front panel. 17 x 6 x 15 in; 70 lb .....\$1,995

## GOLDEN TUBE AUDIO

### SE-300B MkII 9-W/ch Tube Amplifier

2 channels. 9 W x 2 into 8 ohms. Gold-plated RCA inputs; XLR input (mono mode only); gold-plated 5-way speaker binding posts. Adjustable feedback; external mono switch; external bias adjustment and measurement terminals. FR 20 Hz-20 kHz; THD 5%. 3-yr warranty. 17 x 8 x 14 in; 45 lb .....\$1,748

**Special Edition.** As above with oil caps .....\$1,998

### SE-40 40-W/ch Tube Amplifier

2 channels. 40 W x 2 into 8 ohms. Single-ended parallel design; higher gain mode for CD-direct/passive preamp; Class A design. FR 20 Hz-20 kHz; THD 5%. 45 lb .....\$998

Tube cover cage .....\$100

**Special Edition.** As SE-40, upgraded with larger output transformers. 55 lb .....\$1,398

## HAFLER

### Trans-Nova Series

#### Model 9505 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms, 375 x 2 into 4 ohms, or 750 x 1 into 8 ohms. JFET double-differential front end; MOSFET output stage. XLR and RCA inputs. THD 0.005% at 1 kHz into 8 ohms; S/N 100 dB; slew rate 150 V/μs; damping factor. 7-yr warranty. 19 x 5 1/4 x 12 1/2 in; 50 lb .....\$2,200

### P7000 350-W/ch Amplifier

2 channels. 350 W x 2 into 8 ohms, 500 x 2 into 4 ohms, or 1,000 x 1 into 8 ohms. Fan cooling; lateral MOSFET; biamp mode with 4th-order crossovers; THX-certified. 2-way XLR and phone inputs. 7-yr warranty. 19 x 3 1/2 x 13 in; 40 lb .....\$1,399

### P4000 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms, 275 x 2 into 4 ohms, or 550 x 1 into 8 ohms. Convection cooled; lateral MOSFET. XLR and phone inputs; 5-way binding posts. FR 20 Hz-20 kHz ±0.1 dB; THD 0.01% at 1,000 Hz; slew rate 100 V/μs. 19 x 5 1/4 x 11 in; 34 lb .....\$999

### P3000 150-W/ch Amplifier

2 channels. 150 W x 2 into 8 ohms, 200 x 2 into 4 ohms, or 400 x 1 into 8 ohms. Independent channel overload protection and thermal standby; lateral MOSFET output devices; 16-gauge cold-rolled steel chassis; convection cooling; electronic fuses; MOSFET output stage. XLR inputs; 5-way binding posts. Chassis/float ground switch; gain controls in increments of 1 dB; LED indicators for clip, signal-presence, thermal protection, and channel overload. THD 0.01% at 1 kHz into 8 ohms; S/N 100 dB; slew rate 100 V/μs; damping factor 400 at 1 kHz. 5-yr warranty. 19 x 3 1/2 x 9 1/2 in; 23 lb .....\$779

### P1500 75-W/ch Amplifier

2 channels. 75 W x 2 into 8 ohms, 85 x 2 into 4 ohms, or 170 x 1 into 8 ohms. Independent channel overload protection and thermal standby; lateral MOSFET output devices; 16-gauge cold-rolled steel chassis; convection cooling; electronic fuses. XLR inputs; 5-way binding posts. Chassis/float ground switch; gain controls in increments of 1 dB; LED indicators for clip, signal, presence, thermal protection and channel overload. FR 20 Hz-20 kHz; THD 0.01% at 1 kHz into 8 ohms; S/N 100 dB; slew rate 100 V/μs; damping factor 350 at 1 kHz. 5-yr warranty. 19 x 3 1/2 x 8 1/2 in; 22 lb .....\$599

### P1000 50-W/ch Amplifier

2 channels. 50 W x 2 into 8 ohms, 55 x 2 into 4 ohms, or 110 x 1 into 8 ohms. 2-way XLR and phone inputs; screw terminal outputs; headphone output. FR 20 Hz-20 kHz ±0.1 dB; THD 0.2%; S/N 100 dB; slew rate 20 V/μs; damping factor 900 at 1 kHz. 5-yr warranty. 19 x 8 1/2 x 1 1/4 in; 12 lb .....\$569

## HARMAN KARDON

### Signature 2.1 500-W Amplifier

5 channels. 100 W x 5 into 8 ohms or 150 x 5 into 4 ohms, both from 20 Hz-20 kHz with 0.03% THD. 5 RCA inputs; 5-way output binding posts. Auto turn-on. S/N 100 dB; ch sep 90 dB. Black anodized aluminum. 17 1/2 x 7 1/2 x 15 1/2 in; 47 lb .....\$1,499

### Signature 1.5 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms, 350 x 2 into 4 ohms or 700 x 1 into 4 ohms, all from 20 Hz-20 kHz at 0.03% THD. Class AB operation. 2 RCA inputs; binding posts. Auto turn-on. S/N 100 dB; ch sep 85 dB; dynamic headroom 1.6 dB. Black anodized aluminum. 17 1/2 x 7 1/2 x 15 1/2 in .....\$1,399

### PA5800 400-W Amplifier

5 channels. 80 W x 5 into 8 ohms or 110 x 5 into 4 ohms, both from 20 Hz-20 kHz with 0.03% THD. 5 RCA inputs; 5-channel output binding posts. Auto turn-on. S/N 100 dB; ch sep 80 dB. Black matte finish. 17 1/2 x 6 1/2 x 15 1/2 in; 30 lb .....\$999

## HARMONIC PRECISION

### HP-150 Mono 100-W Mono Amplifier

1 channel. 100 W into 8 ohms from 5 Hz-50 kHz with 0.09% THD. Class A and AB MOSFET operation; bipolar input stage. All-metal gold-plated binding posts. LED indicator; power switch. Includes Natural Chord Power Chord 14 and 4 1.0AP-F Audio Points. S/N 90 dB; slew rate 25 V/μs; damping factor 85; dynamic headroom 2.4 dB. Black anodized face with black-wrinkle finish

# Power Amplifiers

and cabinet. 17 x 4 1/2 x 16 in; 31 lb . . . . \$1,600/pr  
**HP-150.** As above, stereo version. 75 W x 2. 17 x 4 1/2 x 16 in; 31 lb . . . . . \$895

## INTERACTIVE LABS

### Fatboy 1,000-W Amplifier

5 channels. 200 W x 5 into 4 or 8 ohms from 20 Hz-20 kHz with 0.01% THD. Class AB monoblock design; HEXFET output stages; fan cooled; input-level adjustment for each channel. 5 gold-plated RCA line-level audio inputs; 5 gold-plated five-way binding-post speaker outputs; 2 mini jacks; 1 DC input control; 1 DC output control. Auto or manual power-on/off control; current-sense outlet for auto-on/off; LED display for each channel; selectable on/off/dim. 110 VAC/220 VAC versions optional. S/N 100 dB; ch sep 100 dB. Black-anodized brushed aluminum with polished brass accents. 5-yr warranty. 17 x 5 1/4 x 15 1/2 in; 45 lb . . . . . \$1,999  
**RMK 525.** Rackmount kit for above; also available for Junior and Little Boy . . . . . \$30

### Junior 1,000-W Amplifier

5 channels. 200 W x 5 into 4 or 8 ohms from 20 Hz-20 kHz with 0.01% THD. Class AB monoblock design; HEXFET output stages; fan cooled; input-level adjustment for each channel. 5 gold-plated RCA line-level audio inputs; 5 gold-plated five-way binding-post speaker outputs. 110 VAC/220 VAC versions optional. S/N 100 dB. Black-anodized brushed aluminum with chrome accents. 5-yr warranty. 17 x 5 1/4 x 15 1/2 in; 42 lb . . . . . \$1,599  
 DC voltage input and output control . . . . . \$100

### Little Boy 600-W Amplifier

3 channels. 200 W x 3 into 4 or 8 ohms from 20 Hz-20 kHz with 0.01% THD. Class AB monoblock design; HEXFET output stages; fan cooled; input-level adjustment for each channel. 3 gold-plated RCA line-level audio inputs; 3 gold-plated five-way binding post speaker outputs; 2 mini jacks; 1 DC input control; 1 DC output control. Auto or manual power-on/off control; current-sense outlet for auto-on/off; LED display for each channel; selectable on/off. 110 VAC/220 VAC versions optional. S/N 100 dB; ch sep 100 dB. Black-anodized brushed aluminum with polished brass accents. 5-yr warranty. 17 x 5 1/4 x 15 1/2 in; 38 lb . . . . . \$1,199

## JANIS

### Interphase 1A 125-W Mono Amplifier

1 channel. Designed for subwoofers. 125 W into 8 ohms from 20 Hz-10 kHz with 0.02% THD or 200 x 1 into 4 ohms from 20 Hz-10 kHz with 0.025% THD. 2-channel electronic crossover at 100 Hz with 18 dB/oct Butterworth filters; summed bass output with both line-out and power-amp outputs. Two inputs; 2 high-pass outputs; 1 low-pass output. Continuous phase and level controls for low-pass output; continuous bass level and phase; wire-bypass compare switch for subwoofer integration. S/N 90 dB. Black. 14 x 3 1/2 x 14 in; 30 lb . . . . . \$950  
**Interphase 3AT.** As above, 70 W rms . . . . . \$750

## JBL

### S650 650-W THX Amplifier

5 channels. 130 W x 5 into 8 ohms or 200 x 5 into 4 ohms, both from 20 Hz-20 kHz with 0.03% THD. THX-certified; forced-air cooling. Remote turn-on. 19 x 7 x 16 in; 75 lb . . . . . \$2,850

### S400 200-W/ch THX Amplifier

2 channels. 200 W x 2 into 4 ohms or 400 W into 8 ohms, both from 20 Hz-20 kHz with 0.02% THD. THX-certified. Remote turn-on. 19 x 5 1/2 x 16 in; 30 lb . . . . . \$1,750

## JEFF ROWLAND DESIGN GROUP

### Model 9Ti 350-W Mono Amplifier

1 channel. 350 W into 8 ohms, 700 x 1 into 4 ohms, or 900 x 1 into 2 ohms. Separate power supply; full differential trans-impedance circuitry

from input to output; aluminum chassis. 2 RCA and 2 XLR inputs; binding posts for 2 speaker pairs. Controls for gain, input impedance, and absolute phase. BPS-9 DC power supply optional. 17 1/2 x 11 1/2 x 22 in; 90 lb. Power supply 17 1/2 x 11 1/2 x 22 in; 135 lb . . . . . \$32,000/pr

### Model 8T 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms, 400 x 2 into 4 ohms, or 600 x 2 into 2 ohms. BPS-8 DC power supply; full differential trans-impedance circuitry from input to output; aluminum chassis. RCA and XLR inputs. Controls for gain, input impedance, and absolute phase; input mute and phase switches. 17 1/2 x 11 1/2 x 22 in; 125 lb . . . . . \$18,700  
 With dual-mono power supply . . . . . \$13,900

### Model 6 150-W Mono Amplifier

1 channel. 150 W into 8 ohms, 250 x 1 into 4 ohms, or 350 x 1 into 2 ohms. BPS-6 DC power supply; full differential trans-impedance circuitry from input to output; aluminum chassis. Adjustable gain and input impedance. 17 1/2 x 5 1/4 x 14 1/4 in; 45 lb . . . \$16,000/pr  
 With dual-mono power supply . . . . . \$10,800/pr

### MC-6 900-W Amplifier

6 channels. 150 W x 6 or 200 x 4, both into 8 ohms from 20 Hz-20 kHz with 0.008% THD. Biampable and triampable stereo-system configurations. XLR and RCA inputs for each channel. S/N 105 dB; ch sep 90 dB; slew rate 25 V/μs; damping factor 60. 5-yr warranty. 17 1/2 x 11 1/2 x 22 in; 130 lb . . . \$15,800

### Model 2 75-W/ch Amplifier

2 channels. 75 W x 2 into 8 ohms or 125 x 2 into 4 ohms. BPS-2 DC power supply; full differential trans-impedance circuitry from input to output; aluminum chassis. Adjustable gain and input impedance . . . . . \$8,400  
 With dual-mono power supply . . . . . \$5,800

## JOULE ELECTRA

### VZN-100 Marquis 100-W Tube Mono Amplifier

1 channel. 100 W into 8 ohms or 80 x 1 into 4 ohms. Six 6C33CB triode tubes for output; two 6350 dual triode tubes for driver; three 12AX7 dual triode tubes; 2 regulated filament supplies; 1 regulated driver B+ supply; 2 floating driver bias supplies; single-ended asymmetrical Class A, OTL design; individual adjustment for each triode output tube . . . . . \$8,800/pr

### VZN-160 Grand Marquis.

As above with 8 6C33CB triode output tubes per monoblock. 160 W x 1 into 8 ohms or 100 x 1 into 4 ohms . . . . . \$11,000/pr  
**VZN-80 Emerald.** As above, 80 W x 1 into 8 ohms or 60 W x 1 into 4 ohms . . . . . \$6,600

## JRM ENGINEERING

### Power Tower 540-W Amplifier

4 channels. 200 W x 2 + 70 x 2 into 8 ohms, 350 x 2 + 175 x 2 into 4 ohms or 500 x 2 + 250 x 2 into 2 ohms. Complementary all-cascade Class AB design; thermal, DC/clip, and power-up/fail protection. Peak/avg LED level meters. FR 0.6 Hz-75 kHz; THD 0.02%; S/N 102 dB; slew rate 100 V/μs. 24 1/2 x 16 x 14 1/2 in; 65 lb . . . . . \$4,860

## KAB ELECTRO ACOUSTICS

### Souvenir TCA 20-W/ch Amplifier

2 channels. 20 W x 2 rms into 8 ohms or 10 x 2 into 16 ohms from 20 Hz-20 kHz with 0.07% THD. Class A operation; single-ended solid-state design; active current source and zero drop-out voltage regulator. RCA inputs; 5-way binding-post outputs. Independent level controls. Black. 14 x 4 x 11 in; 14 lb . . . . . \$995

## KENWOOD

### KM-Z1 780-W THX Amplifier

6 channels. 130 W x 6 into 8 ohms or 150 W x 6 into 6 ohms. THX-certified; dual power supplies; 2-speed cooling fan; discrete power amp circuitry.

Gold-plated inputs; banana-plug-compatible speaker connectors . . . . . \$1,200

## KINERGETICS

### R-288 350-W/ch Amplifier

2 channels. 350 W x 2 rms into 8 ohms, 600 x 2 into 4 ohms, 140 x 4 into 8 ohms, or 275 x 4 into 4 ohms, all from 20 Hz-20 kHz with 0.008% THD. Class A design. 2 XLR or 4 RCA inputs; four 5-way binding-post speaker terminal pairs. Black anodized finish. 3-yr parts-and-labor warranty. 17 1/2 x 7 1/2 x 16 1/2 in; 75 lb . . . . . \$3,495

## KRELL

### Full Power Balanced 650M 650-W Mono Amp

1 channel. 650 W rms into 8 ohms from 20 Hz-20 kHz. Class A operation. XLR inputs; RCA inputs; 2 speaker-output terminals. S/N 119 dB. 5-yr warranty covering parts and labor. 12 1/2 x 10 1/2 x 25 in; 140 lb . . . . . \$25,000/pr  
**Full Power Balanced 350M.** As above, 350 W x 1. 98 lb . . . . . \$16,500/pr

### FPB-600 600-W/ch Amplifier

2 channels. 600 W x 2 into 8 ohms from 0.1 Hz-240 kHz with 0.02% THD, 1,200 x 2 into 4 ohms, or 2,400 x 2 into 2 ohms. Class A operation; auto bias adjustment. RCA and XLR inputs; 2 pair speaker terminals per channel. S/N 119 dB. 5-yr warranty. 19 x 10 1/2 x 25 1/2 in; 180 lb . . . . . \$12,500  
 Remote control . . . . . \$200  
**FPB-300.** As above, 300 W x 2 into 8 ohms, 600 x 2 into 4 ohms, or 1,200 x 2 into 2 ohms. S/N 116 dBA. 110 lb . . . . . \$9,000  
**FPB-200.** As above, 200 W x 2 into 8 ohms, 400 x 2 into 4 ohms, or 800 x 2 into 2 ohms. S/N 113 dB. 90 lb . . . . . \$6,500  
**FPB-250M.** As above, mono version. 250 W into 8 ohms, 500 x 1 into 4 ohms, or 1,000 x 1 into 2 ohms. S/N 114 dB. 12 1/2 x 10 1/2 x 16 in; 68 lb . . . . . \$4,500

### KAV-500 500-W Amplifier

5 channels. 100 W x 5 into 8 ohms or 200 x 5 into 4 ohms, both from 20 Hz-20 kHz with 0.03% THD; 400 x 1 into 8 ohms. Modular design; user-installable channels. 5 RCA and 5 XLR inputs; five 5-way binding posts. Auto turn-on; gain switch for each channel. 5-yr warranty. 19 x 6 1/4 x 17 in; 58 lb . . . . \$4,500  
 4-channel version of above . . . . . \$4,000  
 3-channel version of above . . . . . \$3,500  
 2-channel version of above . . . . . \$3,000

### KAV-250a 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms, 500 x 2 into 4 ohms, or 1,000 x 2 into 2 ohms, all from 20 Hz-20 kHz with 0.06% THD; 1,000 x 1 into 8 ohms. Class AB operation; multi-amp throughput. RCA and XLR inputs; 5-way binding posts. Remote on/off trigger S/N 118 dBA. 5-yr warranty. 19 x 6 x 15 1/2 in; 43 lb . . . . . \$3,000

### KAV-150a 150-W/ch Amplifier

2 channels. 150 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.25% THD. XLR outputs; RCA outputs. S/N 112 dBA. 5-yr parts-and-labor warranty. 19 x 3 1/2 x 15 1/2 in; 25 lb . . . . . \$1,950

## KUSTOM

### KHS-4640 240-W Amplifier

12 channels. Designed for multiroom applications. 20 W x 12 into 6 ohms from 20 Hz-20 kHz with 0.2% THD. 4-source switching and infrared repeating for each of 6 rooms. 4 line-level stereo inputs; 6 stereo speaker-level outputs; 3 outputs for infrared emitters. Volume control; source selection and indication; Infrared-signal multiroom-repeater works with most brands of A/V equipment. S/N 80 dBA; ch sep 70 dB; slew rate 10 V/μs; damping factor 100; dynamic headroom 2 dB. Black. 17 x 3 1/2 x 10 1/2 in; 16 lb . . . . . \$1,700  
**KHS-RVIR4S.** Decora-style room controllers for above. 6 controllers required for full multiroom operation . . . . . \$120

# Power Amplifiers

## LEGACY AUDIO

### Legacy 450-W Mono Amplifier

1 channel. 450 W into 8 ohms or 800 x 1 into 4 ohms, both with 0.03% THD. Class A/B operation. S/N 93 dB; damping factor 200; dynamic headroom 2 dB. 17 x 6 x 15 in; 50 lb ..... \$2,400

### Legacy 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms or 400 x 2 into 4 ohms, both with 0.03% THD. Class A/B operation; 10 hand-matched bipolar outputs per channel. Dual outputs per channel. S/N 93 dB; damping factor 200; dynamic headroom 2 dB. 17 x 6 x 15 in; 50 lb ..... \$1,995

### Legacy 560-W Amplifier

4 channels. 140 W x 4 into 8 ohms or 225 x 4 into 4 ohms, both with 0.03% THD. Class A/B operation. 2/3/4 channel operation. FR 1 Hz-100 kHz; S/N 93 dB; damping factor 200; dynamic headroom 2 dB. 17 x 6 x 15 in; 50 lb ..... \$1,795

## LEXICON

### NT Series

All models feature completely independent power supplies for each channel, THX certification, low-voltage turn-on trigger sensor, RCA, XLR, and phone inputs, S/N 110 dB, THD 0.007%, and are available with either a 17-in or 19-in front panel.

### NT-512 600-W Amplifier

5 channels. 120 W x 5 into 8 ohms or 200 W x 5 into 4 ohms. Modular construction. 17 x 5 1/4 x 19 in; 60 lb ..... \$3,995

### NT-312 360-W Amplifier

3 channels. 120 W x 3 into 8 ohms, 200 x 3 into 4 ohms, or 400 W x 1 into 8 ohms. Signal ground-lift switch. 17 x 5 1/4 x 15 1/2 in; 33 lb ..... \$2,495

### NT-225 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms, 400 x 2 into 4 ohms, or 800 W x 1 into 8 ohms. Signal ground-lift switch. 17 x 5 1/4 x 15 1/2 in; 40 lb ..... \$2,395

### NT-501 500-W Mono Amplifier

1 channel. 500 W into 8 ohms or 800 x 1 into 4 ohms. Uses 2 power supplies. Signal ground-lift switch. 17 x 5 1/4 x 15 1/2 in; 44 lb ..... \$2,395

### NT-212 120-W/ch Amplifier

2 channels. 120 W x 2 into 8 ohms, 200 x 1 into 4 ohms, or 400 x 1 into 8 ohms. Signal ground-lift switch. 17 x 5 1/4 x 9 in; 22 lb ..... \$1,695

## LINEAR RESEARCH

### M-75 75-W Tube Mono Amplifier

1 channel. 75 W into 4 or 8 ohms. Full tube design; cage cover; Class B operation. FR 20 Hz-20 kHz -3, +1 dB; S/N 79 dB ..... \$2,695/pr

## LINN

### Klout 80-W/ch Amplifier

2 channels. 80 W x 2 into 8 ohms or 160 x 2 into 4 ohms. Dual-mono design with separate regulated isolated power supply for each channel; overload, overcurrent, short-circuit, thermal, over/undervoltage, and DC protection. 3 output pairs; line-level daisy-chain connectors. Remote turn-on; LED indicators ..... \$3,995

### AV5105 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms or 200 x 2 into 4 ohms. Dual-mono design; short-circuit, overload, thermal, and overdrive protection. 4 output pairs per channel; line-level daisy-chain connectors. Signal-sensing auto on/off ..... \$1,795

### LK140 95-W/ch Amplifier

2 channels. 95 W x 2 into 8 ohms or 140 x 2 into 4 ohms, both from 10 Hz-70 kHz. 2 pr RCA inputs. Standby switch. 5-yr parts, 1-yr labor warranty. 12 1/4 x 3 1/4 x 13 in; 15 lb ..... \$1,350

### LK240 240-W Mono Amplifier

1 channel. 240 W rms from 2 Hz-50 kHz. Standby switch. Black. 5-yr parts, 1-yr labor warranty. 12 1/4 x 3 1/4 x 13 in; 18 lb ..... \$1,200

### LK85 62-W/ch Amplifier

2 channels. 62 W x 2 into 8 ohms or 85 x 2 into 4 ohms, both rms from 10 Hz-70 kHz. Blampable. 4 phono inputs; 4 pr outputs. Standby. 5-yr warranty. 12 1/4 x 3 1/4 x 13 in; 15 lb ..... \$795

## LUXMAN

### M-10 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms, 500 x 2 into 4 ohms, or 800 x 1 into 8 ohms. FR 10 Hz-100 kHz +0, -1 dB; THD 0.04% from 20 Hz-20 kHz; S/N 115 dB. Champagne gold. 3-yr warranty ..... \$9,500

### M-7 150-W/ch Amplifier

2 channels. 150 W x 2 into 8 ohms or 230 x 2 into 4 ohms. Line-phase sensor. RCA and XLR inputs. Power meters. FR 10 Hz-100 kHz +0, -1 dB; THD 0.03% from 20-20 kHz; S/N 115 dB. Champagne gold. 3-yr warranty ..... \$5,000

### M-383 200-W/ch Amplifier

2 channels. 200 W x 2 rms into 8 ohms from 20 Hz-20 kHz or 700 x 2 into 2 ohms with 0.04% THD. All-stage symmetrical push-pull circuit; line-phase sensor. Gold-plated inputs; outputs for 2 speaker pairs with A/B selector; remote turn-on/off; independent L/R volume controls; clipping indicator. S/N 126 dB. 17 1/2 x 7 x 17 1/4 in; 39 lb ..... \$1,495

**M-363.** As above, 110 W x 2 rms into 8 ohms from 20 Hz-20 kHz or 330 x 2 into 2 ohms. Not bridgeable. No volume controls. 17 1/2 x 7 x 16 1/2 in; 30 lb ..... \$795

### M-375 110-W/ch Amplifier

2 channels. 110 W x 2 into 8 ohms or 330 x 2 into 2 ohms. All-stage symmetrical push-pull circuit; clipping indication by VU meters; Duo Beta circuitry; chimney-type heat sink. Gold-plated inputs. A/B speaker selector; remote turn-on/off. FR 10 Hz-100 kHz -1 dB; THD 0.04% from 20 Hz-20 kHz; S/N 126 dB. 17 1/2 x 7 x 16 1/2 in; 30 lb ..... \$995

## MARANTZ

### MA-700 200-W Mono THX Amplifier

1 channel. 200 W into 8 ohms with 0.05% THD, 300 x 1 into 4 ohms with 0.09% THD, or 600 x 1 into 8 ohms bridged. Gold-plated RCA input/output jacks. Variable input-level control; RC-5 system on/off; DC and video signal on/off trigger. S/N 118 dB; damping factor 200. 3-yr limited parts-and-labor warranty ..... \$500

### MA-500 125-W THX Mono Amplifier

1 channel. 125 W rms into 8 ohms with 0.05% THD or 180 x 1 rms into 4 ohms with 0.09% THD, all from 20 Hz-20 kHz. THX-certified; multiple-unit bridging capability. Gold-plated RCA input; 2 banana-plug outputs. Remote turn-on/off with compatible equipment. S/N 116 dBA; damping factor 200 at 8 ohms. 3-yr limited warranty. 3% x 5% x 17 1/4 in ..... \$300

## MARCHAND

### MB200 200-W Mono Amplifier

1 channel. 200 W rms into 8 ohms. Class A operation; MOSFET output stage. XLR and RCA inputs. VU meter and digital input optional. 5 x 9 x 13 in ..... \$2,995/pr

Each power amp ..... \$1,995

## MARK LEVINSON

### Model 33 300-W Mono Amplifier

1 channel. 300 W into 8 ohms, 600 x 1 into 4 ohms, 1,200 x 1 into 2 ohms, or 2,400 x 1 into 1 ohm. Adaptive biasing; AC generation and DC-offset correction up to 1 V; two independent bipolar power supplies; voltage gain and current-gain circuitry. XLR input. FR 20 Hz-20 kHz; THD 0.5%. 31 x 14 x 31 1/2 in; 435 lb ..... \$35,000/pr

**Model 33H.** As above, 150 W into 8 ohms, 300 x 1 into 4 ohms, 600 x 1 into 2 ohms, or 1,200 x 1 into 1 ohm ..... \$19,950/pr

### Model 336 350-W/ch Amplifier

2 channels. 350 W x 2 into 8 ohms, 700 x 2 into 4 ohms, or 1,400 x 2 into 2 ohms. Adaptive biasing; AC power filtering with DC-offset correction up to 1 V; separate power supplies for each channel; voltage-gain circuitry. XLR input. FR 20 Hz-20 kHz; THD 0.5%. 17 1/4 x 10 1/2 x 19 in; 150 lb ..... \$8,995

**Model 333.** As above, 250 W x 2 into 8 ohms, 500 x 2 into 4 ohms, or 1,000 x 2 into 2 ohms ..... \$7,495

**Model 334.** As above, 125 W x 2 into 8 ohms, 250 x 2 into 4 ohms, or 500 x 2 into 2 ohms. 17 1/4 x 9 1/2 x 19 in ..... \$5,995

## MBL

### Model 9010 470-W/ch Amplifier

2 channels. 470 W x 2 into 8 ohms, 800 x 2 into 4 ohms, or 1,300 x 2 into 2 ohms. Direct push-pull operation with isolated gain stage; 5 discrete power supplies; 2 power cords. XLR/RCA input switch. S/N 120 dB; slew rate 180 V/μs; damping factor 300. 21 x 10 x 34 in; 209 lb ..... \$19,790

### Model 8010c 180-W/ch Amplifier

2 channels. 180 W x 2 into 8 ohms, 270 x 2 into 4 ohms, or 310 x 2 into 2 ohms. Dual-mono design. XLR/RCA input switch. S/N 116 dB; slew rate 30 V/μs; damping factor 300. Black high-gloss front plate. 18 x 6 x 15 in; 67 lb ..... \$5,190

### Model 8008 240-W Amplifier

4 channels. 60 W x 4 into 8 ohms or 135 x 4 into 2 ohms. S/N 116 dB ..... \$4,100

### Model 8004 60-W/ch Amplifier

2 channels. 60 W x 2 or 180 x 1 into 8 ohms; 135 x 2 or 310 x 2 into 2 ohms. Current-summing bars designed as closed circuit. XLR/RCA input switch. S/N 116 dB; slew rate 30 V/μs; damping factor 300. 18 x 6 x 15 in; 40 lb ..... \$2,950

## McINTOSH

### MC500 500-W/ch Amplifier

2 channels. 500 W x 2 cont into 2, 4, or 8 ohms from 20 Hz-20 kHz with 0.005% THD. Outputs for 2, 4, or 8 ohms. 2 power meters. S/N 115 dBA; damping factor 200; dynamic headroom 2.1 dB. 17 1/4 x 10 1/2 x 20 1/2 in; 110 lb ..... \$7,000

### MC1000 1,000-W Mono Amplifier

1 channel. 1,000 W cont into 2, 4, or 8 ohms from 20 Hz-20 kHz with 0.005% THD. Dual-balanced design. Gold-plated multiple-way outputs for 2, 4, or 8 ohms. Power meter. S/N 118 dBA; damping factor 200; dynamic headroom 2.1 dB. 17 1/4 x 10 1/2 x 20 1/2 in; 105 lb ..... \$6,500

### MC300 300-W/ch Amplifier

2 channels. 300 W x 2 or 600 x 1. McIntosh Autoformer for channel-to-speaker coupling with impedance taps of 2, 4, and 8 ohms. XLR and RCA inputs. 2 power meters. S/N 105 dBA ..... \$4,000

### MC7106 960-W THX Amplifier

6 channels. 160 W x 6 into 4 ohms. THX-certified; protection circuitry. Power meter. THD 0.005%; S/N 113 dBA. 17 1/2 x 7 1/2 x 20 in; 53 lb ..... \$3,500

### MC7108 320-W Amplifier

8 channels. 40 W x 8 into 8 ohms; each channel pair bridgeable to 100 W into 4 ohms. THD 0.005%; S/N 107 dBA. 17 1/2 x 7 1/2 x 20 in; 40 lb ..... \$2,500

## MISTRAL

### Powerstage 50-W/ch Amplifier

2 channels. 50 W x 2 into 8 ohms. Class A input and driver stage; Class A/B MOSFET output stage; Star grounding; separate input; custom wiring. 2 sets speaker outputs. Brushed aluminum. 17 x 2 1/2 x 13 in ..... \$995

# Power Amplifiers

## MONARCHY AUDIO

### SE-100 100-W Mono Amplifier

1 channel. 100 W into 8 ohms from 20 Hz-20 kHz with 0.05% THD. Single-ended pure Class A design; 2-stage MOSFET output. RCA and XLR inputs. S/N 104 dB; slew rate 100 V/ $\mu$ s. 9 x 3½ x 11 in; 25 lb .....\$890

## MUSE

### One Hundred 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms or 200 x 2 into 4 ohms, both from 13 Hz-200 kHz with 0.5% THD. 1 pair inputs; 1 pair outputs. Silver or black front panel. 3-yr warranty. 19 x 3½ x 13½ in; 30 lb ...\$1,350  
XLR inputs .....\$100

### Series II

#### Three Hundred 300-W/ch Amplifier

2 channels. 300 W x 1 into 8 ohms or 500 x 1 into 4 ohms, both from 13 Hz-250 kHz with 0.5% THD. 1 pair RCA inputs; 1 pair XLR inputs; 1 pair outputs. Silver or black front panel. 3-yr warranty. 17¼ x 7¼ x 13½ in; 39 lb .....\$2,000

**One Hundred Sixty.** As above, 160 W x 2 into 8 ohms or 250 x 2 into 4 ohms, both from 13 Hz-200 kHz with 0.5% THD .....\$1,900

**One Hundred Seventy-Five.** As above, 175 W x 1 into 8 ohms, or 325 x 1 into 4 ohms, both from 13 Hz-250 kHz with 0.5% THD .....\$1,750

## MUSEATEX

### AS10 100-W/ch Amplifier

2 channels. 100 W x 2. MOSFET output; floating-charge power supply; proprietary static-fan heat sink .....\$1,999

## MUSICAL DESIGN

The following feature gold-plated RCA inputs and gold-plated five-way binding posts.

### D-150C 150-W/ch Amplifier

2 channels. 150 W x 2 into 8 ohms with 0.09% THD or 240 x 1 into 4 ohms with 0.12% THD. LED-biased cascode Class A driver stage; dual-mono power supply; single-ended design. 1 pair. Removable IEC power cord. S/N 90 dB; ch sep 80 dB; slew rate 30 V/ $\mu$ s; damping factor 200. Mist-gray wrinkle paint with stainless-steel faceplate. 18 x 5½ x 14½ in; 36 lb .....\$1,695

### D-150B 150-W/ch Amplifier

2 channels. 150 W x 2 into 8 ohms or 240 x 2 into 4 ohms. LED-biased cascode Class A driver stage; dual-mono power supply; ½-In steel chassis. THD 0.09%. 19 x 5½ x 14½ in .....\$1,495

### DM-100B 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms or 200 x 2 into 4 ohms, both with 0.09% THD. Dual-mono design with separate power supplies; doubled MOSFET output devices. 17 x 5½ x 12 in .....\$1,195

### D-75.3B 225-W Amplifier

3 channels. 75 W x 3 into 8 ohms from 20 Hz-20 kHz with 0.09% THD. Class A single-ended front-end; single-ended cascode stage; Class AB MOSFET output stage. S/N 100 dB; slew rate 30 V/ $\mu$ s. 5-yr warranty. 17 x 4 x 12 in .....\$1,095

### D-75 75-W/ch Amplifier

2 channels. 75 W x 2 into 8 ohms or 110 x 2 into 4 ohms, both from 20 Hz-20 kHz. LED-biased cascode driver stage; toroidal transformer; dual-mono power supply; MOSFET output devices. Bridging switch .....\$795

## MYRYAD

### MA-500 250-W/ch Amplifier

2 channels. 250 W x 2 or 800 x 1, both into 8 ohms. XLR inputs; RCA inputs. FR 20-20,000 Hz  $\pm$ 0.2 dB; S/N 120 dB. Black and silver. 19 x 7 x 15¼ in; 55 lb .....\$2,750

### MA-120 80-W/ch Amplifier

2 channels. 80 W x 2 into 8 ohms, 120 x 2 into 4 ohms, or 160 x 2 into 2 ohms. Gold-plated RCA phono inputs. Standby button. S/N 111 dB. Black or silver finish. 17 x 4 x 12 in; 19 lb .....\$899

## NAD

The following feature Soft Clipping circuitry to prevent speaker-damaging distortion.

### S200 225-W/ch Amplifier

2 channels. 225 W x 2 or 780 x 1, both into 8 ohms from 20 Hz-20 kHz with 0.03% THD. Discrete regulated power supply for input stage. 2 RCA inputs; 2 XLR inputs. Switchable soft-clipping circuitry. S/N 120 dB; slew rate 100 V/ $\mu$ s; damping factor 200; dynamic headroom 1 dB. All aluminum chassis with smooth sandblasted finish. 17¼ x 7 x 16 in; 52 lb .....\$1,799

### Model 925 THX 625-W Amplifier

5 channels. 125 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.08% THD. Monoblock modular construction; Class A circuitry. 5 inputs. Input-gain control; switchable soft-clipping circuitry. S/N 112 dB; ch sep 70 dB; damping factor 300 from 20 Hz-20 kHz. Gray. 17½ x 5½ x 16½ in; 42 lb .....\$1,299

### Model 218THX 225-W/ch THX Amplifier

2 channels. 225 W x 2 cont or 780 W into 8 ohms from 20 Hz-20 kHz with 0.03% THD. All-discrete circuitry. XLR inputs; RCA inputs; 5-way binding posts. S/N 120 dB. 19 x 6¼ x 14½ in; 51 lb ...\$999

### Model 216THX 125-W/ch Amplifier

2 channels. 125 W x 2 or 400 W into 8 ohms from 20 Hz-20 kHz at 0.03% THD. All-discrete circuitry. 5-way binding posts. S/N 119 dB. 17¼ x 5 x 15 in; 31 lb .....\$699

### Model 916 180-W Amplifier

6 channels. 30 W x 6 cont from 20 Hz-20 kHz with 0.5% THD, 30 x 4 + 90 x 1, 30 x 2 + 90 x 2, or 90 x 3, all into 8 ohms. 3 discrete power supplies; 2-ohm drive capability. 6 buffered line-level outputs. S/N 85 dB. 16½ x 4¼ x 14½ in .....\$699

### Model 214 80-W/ch Amplifier

2 channels. 80 W x 2 from 20 Hz-20 kHz at 0.03% THD or 240 W x 1, both into 8 ohms. All-discrete circuitry. 5-way binding posts. S/N 117 dB. 17½ x 5 x 15 in; 26 lb .....\$499

### Model 912 30-W/ch Amplifier

2 channels. 30 W x 2 cont from 20 Hz-20 kHz with 0.5% THD or 90 x 1, both into 8 ohms. 2-ohm drive capability. Variable input sens. S/N 85 dB; damping factor 100 at 50 Hz; dynamic headroom 2 dB. 16½ x 3¾ x 10½ in .....\$279

## NAIM

### NAP-135 75-W Mono Amplifier

1 channel. 75 W cont into 8 ohms. 2 regulated power supplies; thermal protection; fan cooling. FR 3 Hz-40 kHz  $\pm$ 3 dB. 16¾ x 3 x 11¼ in .....\$3,550

### NAP-250 70-W/ch Amplifier

2 channels. 70 W x 2 cont into 8 ohms. 4 regulated power supplies; thermal protection. FR 3 Hz-40 kHz  $\pm$ 3 dB .....\$3,550

### NAP-160 60-W/ch Amplifier

2 channels. 60 W x 2 cont into 8 ohms. Thermal protection. FR 5 Hz-40 kHz  $\pm$ 3 dB. 16¾ x 3 x 11¼ in .....\$2,250

### NAP-140 45-W/ch Amplifier

2 channels. 45 W x 2 cont into 8 ohms. Dual-power-supply rectification; thermal protection. FR 5 Hz-40 kHz  $\pm$ 3 dB. 16¾ x 3 x 11¼ in .....\$1,600

### NAP-90/3 30-W/ch Amplifier

2 channels. 30 W x 2 cont into 8 ohms. Protection circuitry. FR 5 Hz-40 kHz  $\pm$ 3 dB .....\$950

## NAKAMICHI

### PA-1 500-W Amplifier

5 channels. 100 W x 5 rms into 8 ohms from 20 Hz-20 kHz with 0.1% THD. Harmonic time-alignment design. 5 gold-plated RCA inputs; five 5-way binding-post outputs. Remote turn-on/off. S/N 100 dB. 3-yr. 17 x 7¼ x 15¼ in; 49 lb .....\$2,000

## NILES

### SI-1230 300-W Multizone Amplifier

2 channels x 6 zones. 30 W x 12 into 8 ohms from 20 Hz-20 kHz with 0.01% THD; channel pairs bridge to 80 x 1 into 8 ohms from 20 Hz-20 kHz with 0.1% THD. Thermal and short-circuit protection. 12-V DC switched trigger output; 5-way binding posts. BusMatrix selector to route stereo, mono, and surround sound simultaneously to different rooms; level controls for each channel; music-sense and external-voltage-trigger turn-on modes. 17 x 5¼ x 14 in; 29 lb .....\$1,195

## OCTAVE RESEARCH

### OR-1 80-W/ch Amplifier

2 channels. 80 W x 2 from 20 Hz-20 kHz with 0.9% THD into 8 ohms. Class A; no negative feedback; 4 power supplies. 2 RCA or optional BNC inputs. S/N 95 dB; slew rate 100 V/ $\mu$ s; dynamic headroom 3 dB. Brushed anodized. 3-yr parts-and-labor warranty. 19 x 9¼ x 19¼ in; 66 lb .....\$4,000

## ODYSSEY

### Stratos 150-W/ch Amplifier

2 channels. 150 W x 2 into 8 ohms from 2 Hz-400 kHz with 0.005% THD. Class A/AB operation. 2 RCA inputs; 2 XLR inputs; 2 outputs. Variety of different colors optional. Slew rate 1 V/ $\mu$ s; damping factor 600. Solid metal. 18 x 6 x 17 in; 60 lb .....\$1,195

## ONIX

### OA 701 70-W/ch Amplifier

2 channels. Designed for use with the OA 36 remote preamp. 70 W x 2 into 8 ohms or 140 x 2 into 4 ohms. Regulated power supply for each channel. Onix output-protection circuit. 14 x 3 x 18 in .....\$1,895

### OA 901 100-W Mono Amplifier

1 channel. 100 W into 8 ohms or 190 x 1 into 4 ohms. Regulated power supplies for audio input and output stages. 14 x 3 x 18 in .....\$1,895

### OA 1200 170-W/ch Amplifier

2 channels. 170 W x 2 into 8 ohms, 200 x 1 into 8 ohms. Gold-plated binding posts. THD 0.02%; S/N 100 dB. 17 x 4¼ x 13 in; 21 lb .....\$1,495

### OA 401 50-W/ch Amplifier

2 channels. 50 W x 2. Electronic protection circuit. 9 x 3 x 14¼ in .....\$795

## ONKYO

### Integra M-504 165-W/ch Amplifier

2 channels. 165 W x 2 rms into 8 ohms or 530 x 2 max into 2 ohms. Dual-mono design. 4-way speaker selector; peak power meters. THD 0.003%; S/N 120 dB. 17¼ x 7¼ x 16½ in; 46 lb .....\$870

### M-501 150-W/ch Amplifier

2 channels. 150 W x 2 rms into 8 ohms or 400 x 2 into 2 ohms. Protection circuitry. Outputs for two speaker pairs. THD 0.09%; S/N 100 dB; damping factor 60. 17¼ x 5¼ x 13¼ in; 23 lb .....\$400

## PAPWORTH

### M 300 300-W Tube Mono Amplifier

1 channel. 300 W into 8 ohms from 10 Hz-30 kHz with 0.25% THD. RCA input. S/N 95 dB. Chrome stainless steel. 21 x 8 x 14 in; 93 lb .....\$13,800

### M 200 200-W Tube Mono Amplifier

1 channel. 200 W. Eight EL34, two ECC83 and one

# Power Amplifiers

12BH7A tubes. FR 10 Hz-30 kHz; THD 0.25%; S/N 95 dB. 18 1/2 x 7 1/4 x 11 in; 68 lb .....\$9,800/pr

## M 100 100-W Tube Mono Amplifier

1 channel. 100 W. Mirror-polished stainless-steel chassis with gold-plated connectors; 2 EL34, 2 ECC83, and 1 ECC81 tubes. FR 20 Hz-30 kHz  $\pm 0.2$  dB; THD 0.15%; S/N 95 dB. 9 7/8 x 6 x 15 in; 40 lb .....\$6,200/pr

## TVA 10 50-W/ch Tube Amplifier

2 channels. 50 W x 2. Mirror-polished stainless-steel chassis with gold-plated connectors; 4 EL32, 4 ECC83, and 2 ECC81 tubes. FR 10 Hz-25 kHz  $\pm 0.1$  dB; THD 0.1%; S/N 95 dB. 17 1/4 x 8 1/4 x 6 1/4 in; 40 lb .....\$3,000

## PARASOUND

### HCA-2205A 1,100-W THX Amplifier

5 channels. 220 W x 5 into 8 ohms or 300 x 5 into 4 ohms, both from 20 Hz-20 kHz with 0.03% THD. Direct coupled; Class AB design; matched JFET input stage; MOSFET driver stage; 8 Beta-matched 15-ampere 60-MHz bipolar output transistors per channel; excess DC, overcurrent, and thermal protection. 5 gold-plated RCA inputs; 5 speaker outputs; 5 output loops; 5 gold-plated binding posts. Auto turn-on trigger; rear-mounted gain controls; gold-plated bridging switches; 4 rack-space front panel; rack mountable .....\$2,495

### HCA-3500 350-W/ch Amplifier

2 channels. 350 W x 2 into 8 ohms or 600 x 2 into 4 ohms, both from 20 Hz-20 kHz with 0.03% THD. Direct coupled; Class AB design with matched JFET input stage; MOSFET driver stage; Beta-matched bipolar output transistors; excess DC, overcurrent, and thermal protection. Gold-plated RCA and XLR inputs; 2 output loops; gold-plated binding posts. Rack dual power switches and power cords; rear-mounted gain controls; 4 rack-space front panel; rack mountable .....\$2,195

### HCA-2003A 660-W Amplifier

3 channels. 220 W x 3 into 8 ohms or 310 x 3 into 4 ohms, both from 20 Hz-20 kHz with 0.05% THD. Separate power supplies for each channel; separate supplies for driver stage of each channel. Mounts in standard EIA 3U rack. S/N 110 dB; slew rate 130 V/ $\mu$ s; damping factor 800 .....\$1,725

### HCA-1205A 600-W/ch THX Amplifier

5 channels. 120 W x 5 into 8 ohms or 200 x 5 into 4 ohms, both from 20 Hz-20 kHz with 0.03% THD. Direct coupled; Class AB design; matched JFET input stage; 6 Beta-matched 15-ampere 60-MHz bipolar output transistors per channel; excess DC, overcurrent, and thermal protection. 5 gold-plated RCA inputs; 5 speaker outputs; 5 output loops; 5 gold-plated binding posts. Auto turn-on trigger signal; rear-mounted gain controls; gold-plated bridging switches; 4 rack-space front panel .....\$1,650

### HCA-4012A 480-W Multizone Amplifier

2 channels x 6 zones. 40 W x 12 into 8 ohms from 20 Hz-20 kHz with 0.08% THD or 60 W x 12 into 4 ohms from 20 Hz-20 kHz with 0.1% THD. 12 discrete line inputs; stereo left and right inputs; DC trigger connections. Auto turn-on; level controls for each channel; adjustable muting for each channel. 10-yr parts, 5-yr labor warranty. 45 lb .....\$1,195

### HCA-806 480-W Amplifier

6 channels. 80 W x 6 rms into 8 ohms, 120 x 6 rms into 4 ohms, or 180 x 1 rms, all from 20 Hz-20 kHz with 0.05% THD. Matched JFET inputs; 24 Beta-matched 15-ampere 60-MHz bipolar outputs; DC servo circuitry. Gold-plated 5-way binding posts; RCA jacks. Looping switches for multiple-zone stereo; gain controls. S/N 118 dB, input shorted, IHF; slew rate 130 V/ $\mu$ s; dynamic headroom 2 dB. 19 x 5 1/4 x 18 1/2 in; 50 lb .....\$1,195

### HCA-1203A 360-W THX Amplifier

3 channels. 120 W x 3 into 8 ohms or 200 x 3 into 4

ohms, both from 20 Hz-20 kHz with 0.03% THD. Class AB design; direct coupled; matched JFET input stage; 6 Beta-matched 15-ampere 60-MHz bipolar output transistors per channel; excess DC, overcurrent, and thermal protection. 3 gold-plated RCA inputs; 3 speaker outputs; 3 output loops; gold-plated 5-way binding posts. Auto turn-on trigger; rear-mounted gain controls; gold-plated bridging switches; 4 rack-space front panel; rack mountable .....\$1,095

### HCA-1500A 205-W/ch THX Amplifier

2 channels. 205 W x 2 into 8 ohms, 315 x 2 into 4 ohms, or 630 x 1 into 8 ohms, all from 20 Hz-20 kHz with 0.03% THD. Direct coupled; Class AB design; matched JFET input stage; MOSFET driver stage; 8 Beta-matched 15-ampere 60-MHz bipolar output transistors per channel; excess DC, overcurrent, and thermal protection. 2 gold-plated RCA inputs; 2 speaker outputs; 2 output loops; gold-plated 5-way binding posts. Auto turn-on trigger; rear-mounted gain controls; gold-plated bridging switches; 4 rack-space front panel; rack mountable .....\$995

### HCA-1000A 135-W/ch THX Amplifier

2 channels. 110 W x 2 into 8 ohms with 0.03% THD, 200 x 2 into 4 ohms, or 300 x 1 into 8 ohms from 20 Hz-20 kHz. THX-certified; complimentary JFET input transistors; MOSFET drivers; 12 Beta-matched 15-ampere 60-MHz bipolar outputs; DC servo circuitry; direct coupling; dual independent power supplies. Gold-plated 5-way binding posts; RCA inputs. Current overload indicators; gain controls; auto turn-on with 12-VDC trigger signal. Available with 1 1/4-in front-panel .....\$575

### HCA-750A 75-W/ch Amplifier

2 channels. 75 W x 2 into 8 ohms, 100 x 2 into 4 ohms, or 200 x 1 into 8 ohms, all from 20 Hz-20 kHz with 0.03% THD. Direct coupled; Class AB design; matched JFET input stage; 4 Beta-matched 15-ampere 60-MHz bipolar output transistors per channel; excess DC, overcurrent, and thermal protection. 2 gold-plated RCA inputs; 2 speaker outputs; 2 output loops; gold-plated 5-way binding posts. Auto turn-on trigger; rear-mounted gain controls; gold-plated bridging switches; 4 rack-space front panel; rack mountable .....\$429

### ZAMP 30-W/ch Amplifier

2 channels. 30 W x 2 into 8 ohms or 45 x 2 into 4 ohms from 20 Hz-20 kHz with 0.06% THD. DC servo coupled circuitry. Front-panel headphone jack. Rear-panel level controls .....\$249

## PASS LABORATORIES

### X1000 1,000-W Mono Amplifier

1 channel. 1,000 W into 8 ohms with 1% THD. Symmetrically-balanced single-ended Class A design; 2 gain stages; MOSFET circuitry. XLR input. 19 x 10 1/2 x 28 in; 200 lb .....\$12,000  
X600. As above, 600 W. 19 x 10 1/2 x 22 in .....\$7,500

### Aleph 1.2 200-W Mono Amplifier

1 channel. 200 W into 8 ohms at 1% THD. Single-ended Class A operation; 2 gain stages; MOSFET circuitry; 500-W idle current. XLR or RCA inputs. 16 x 16 1/2 x 10 1/2 in; 105 lb .....\$7,000

### Aleph 4 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms with 1% THD. Single-ended Class A operation; 2 gain stages; MOSFET circuitry. XLR and RCA inputs. 16 1/2 x 10 1/2 x 16 1/2 in; 105 lb .....\$7,000

### Aleph 0 75-W Mono Amplifier

1 channel. 75 W into 8 ohms at 1% THD. Single-ended Class A operation; 3-gain stages; MOSFET circuitry; 2 50-W idle current. XLR or RCA inputs. 12 x 12 x 10 1/2 in; 60 lb .....\$4,000

### Aleph 5 60-W/ch Amplifier

2 channels. 60 W x 2 into 8 ohms with 1% THD. Single-ended Class A operation; 2 gain stages;

MOSFET circuitry; 300-W idle current. XLR or RCA inputs. 12 x 12 x 10 1/2 in; 60 lb .....\$3,800

### Aleph 2 100-W Mono Amplifier

1 channel. 100 W into 8 ohms at 1% THD. Single-ended Class A operation; 2 gain stages; MOSFET circuitry; 300-W idle current. XLR or RCA inputs. 12 x 12 x 10 1/2 in; 60 lb .....\$3,400

### Aleph 3 30-W/ch Amplifier

2 channels. 30 W x 2 into 8 ohms at 1% THD. Single-ended Class A operation; 2 gain stages; MOSFET circuitry; 200-W idle current. RCA inputs only. 12 x 12 x 6 1/2 in; 40 lb .....\$2,300

## PERREAUX

*Classic models have a polished aluminum, silver or black chrome, or 24k gold-plated front panel. Professional models have a black-aluminum front panel.*

### Model 750 Classic 750-W Mono Amplifier

1 channel. 750 W into 8 ohms from 20 Hz-20 kHz with 0.05% THD. XLR and RCA inputs; dual binding posts for blwrng. Damping factor 700; dynamic headroom 2 dB. 77 lb .....\$5,895  
Model 750 Professional. ....\$5,495

### Model 350 Classic 350-W/ch Amplifier

2 channels. 350 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.02% THD. Dual power supplies; MOSFET output stage; multiple protection systems; Class A driver stages; Class A/B output stages. XLR and RCA inputs; dual binding posts. Balanced/normal input-select switch; rear-mounted on/off switch; delayed power-on; instant off. Damping factor 700; dynamic headroom 2 dB. 19 x 7 x 18 in; 77 lb .....\$5,395  
Model 350 Professional. ....\$4,995

### Model 6160 Classic 960-W Amplifier

6 channels. Designed for home-theater, multiroom, and tri-amping applications. 160 W x 6 into 8 ohms from 20 Hz-20 kHz with 0.02% THD. MOSFET output stage; Class A driver stages; Class A/B output stages. 6 RCA inputs; 6 sets of 5-way output terminals. Clipping indicators; bridged/normal input-select switch; rear-mounted on/off switch. Damping factor 500; dynamic headroom 2.3 dB. 19 x 7 x 18 in; 81 lb .....\$5,395  
Model 6160 Professional. ....\$4,995

### Model 250 Classic 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.02% THD. Dual power supplies; MOSFET output stage; multiple protection systems; Class A driver stages; Class A/B output stage. XLR and RCA inputs; dual binding posts. Balanced/normal input-select switch; rear-mounted on/off switch; delayed power-on; instant off. Damping factor 700; dynamic headroom 2 dB. 19 x 7 x 18 in; 66 lb .....\$4,395  
Model 250 Professional. ....\$3,995

### Model 400 Classic 400-W Mono Amplifier

1 channel. 400 W into 8 ohms from 20 Hz-20 kHz with 0.05% THD. XLR and RCA inputs; dual binding posts. Damping factor 500; dynamic headroom 2 dB. 37 lb .....\$3,895  
Model 400 Professional. ....\$3,495

### Model 200 Classic 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.02% THD. XLR and RCA inputs; dual binding posts. Damping factor 500; dynamic headroom 2 dB. 33 lb .....\$3,395  
Model 200 Professional. 33 lb .....\$2,995

## PIONEER

### M-72 200-W Amplifier

4 channels. 50 W x 4 cont into 8 ohms from 20 Hz-20 kHz with 0.02% THD or 100 x 2 cont into 8 ohms from 20 Hz-20 kHz with 0.009% THD. Outputs for 3 speaker pairs; headphone jack. S/N 120 dB. 18 1/2 x 6 1/2 x 16 1/2 in .....\$1,000

# Power Amplifiers

## POLYFUSION AUDIO

### Model 960 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms or 400 x 2 into 4 ohms, both from 5 Hz-40 kHz with 0.02% THD. Class A/AB matched MOSFET output stage; DC coupled with servo control; short-circuit protection; diagnostic and protection circuitry. XLR and RCA inputs; 5-way binding posts. Front-panel diagnostic indicators; VU bar-graph displays; auto and manual mute; display on/off switch. S/N 106 dB; ch sep 110 dB; slew rate 100 V/μs; damping factor 100; dynamic headroom 1.5 dB. Anodized aluminum in black, silver, or gold. 3-yr warranty. 19 x 8 x 22 1/4 in; 70 lb .....\$4,950

### Model 860 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms or 200 x 2 into 4 ohms, both from 5 Hz-25 kHz with 0.02% THD. Class A/AB matched MOSFET output stage; DC coupled with servo control; short-circuit protection; diagnostic and protection circuitry. XLR and RCA inputs; 5-way binding posts. Front-panel diagnostic indicators; auto and manual mute. S/N 110 dB; ch sep 110 dB; slew rate 50 V/μs; damping factor 100; dynamic headroom 1.5 dB. Anodized aluminum in black, silver, or gold. 3-yr warranty. 19 x 6 x 14 1/4 in; 40 lb .....\$2,850

### Model 870 300-W Amplifier

3 channels. 100 W x 3 into 8 ohms from 5 Hz-25 kHz with 0.02% THD. Class A/AB matched MOSFET output stage; short-circuit proof; on-board diagnostics and protection circuitry. 1 pair XLR and RCA inputs per channel; 1 pair 5-way binding posts per channel. Input selector on each channel for XLR/RCA input; auto/manual mute switch. S/N 102 dB; ch sep 100 dB; slew rate 50 V/μs; damping factor 100; dynamic headroom 1.5 dB. Powder coat black cabinet with gray front panel. 3-yr warranty. 17 x 6 x 14 1/4 in; 42 lb .....\$1,995

## POWER MODULES

### Belles 150A/3 150-W Amplifier

3 channels. 100 W x 3 rms into 8 ohms or 150 x 3 rms into 4 ohms, both from 1 Hz-100 kHz with 0.1% THD. MOSFET circuitry; direct coupled; non-inverting. 3 RCA inputs; 3 RCA outputs. S/N 100 dB; slew rate 50 V/μs; damping factor 200; dynamic headroom 2.0 dB. Black anodized finish. 5-yr warranty. 17 x 6 x 13 1/2 in; 32 lb .....\$1,495

### Belles 150A/2 100-W/ch Amplifier

2 channels. 100 W x 2 rms into 8 ohms or 170 x 2 rms, both from 1 Hz-100 kHz with 0.1% THD. MOSFET circuitry; direct coupled; non-inverting. S/N 100 dB; ch sep 50 dB; slew rate 50 V/μs; damping factor 200; dynamic headroom 2.3 dB. Black anodized finish. 5-yr warranty. 17 x 6 x 11 in; 28 lb .....\$1,195

## PROCEED

### AMP5 625-W Amplifier

5 channels. 125 W x 5 cont into 8 ohms or 250 x 5 cont into 4 ohms. Dedicated power supply for each channel. 5-way binding posts; XLR and RCA inputs. Remote turn-on capability .....\$4,995

### HPA3 750-W Amplifier

3 channels. 250 W x 3 cont into 8 ohms or 500 x 3 cont into 4 ohms. 5-way binding posts; XLR inputs; RCA inputs. Remote turn-on capability .....\$4,750  
HPA2. As above, 2 channels .....\$3,250

### AMP3 450-W THX Amplifier

3 channels. 150 W x 3 into 8 ohms or 250 x 3 into 4 ohms. THX certified. 5-way binding posts; XLR and RCA inputs. Remote turn-on capability .....\$2,995  
AMP2. As above, 2 channels. Can be upgraded to AMP3 .....\$1,995

## PROTON

### AA-1660 360-W Amplifier

6 channels. 60 W x 6 into 8 ohms or 100 x 6 into 4 ohms, both from 20 Hz-20 kHz ±0.5 dB with 0.05%

THD. Protection circuitry. S/N 113 dB; damping factor 100. 16 1/2 x 4 1/4 x 15 1/2 in .....\$700

### AA-2120 120-W/ch Amplifier

2 channels. 120 W x 2 into 8 ohms or 180 x 2 into 4 ohms, both from 20 Hz-20 kHz ±0.3 dB with 0.01% THD. Dual-mono design. Gold-plated outputs; RCA inputs. 2 peak meters. S/N 100 dB; slew rate 50 V/μs; damping factor 100; dynamic headroom 2.5 dB. 16 1/2 x 4 1/4 x 15 1/2 in .....\$700  
AA-2080. As above, 80 W x 2 into 8 ohms or 120 x 2 into 4 ohms .....\$500

### AA-2480 320-W Amplifier

4 channels. 80 W x 4 into 8 ohms, 240 x 2 into 8 ohms, or 80 x 2 + 120 x 1 into 8 ohms, all with 0.05% THD. Thermal auto-sensing design; multi-speed fan; protection circuit. 2 stereo RCA inputs; 4 stereo speaker outputs; 1 mini-plug on input. S/N 113 dB. 16 1/2 x 3 x 14 in; 26 lb .....\$500

## PSE

### Studio V 230-W Mono Amplifier

1 channel. 230 W into 4 ohms. Class A/AB design; FET voltage-gain stage; MOSFET driver stage; bipolar output stage without feedback. RCA input; XLR input. Input-selection switch. S/N 100 dB; slew rate 100 V/μs; dynamic headroom 0.7 dB. All-aluminum chassis painted black. 5-yr warranty. 17 x 3 1/2 x 11 1/2 in; 20 lb .....\$1,995/pr

## QUICKSILVER AUDIO

### Model 135 135-W Mono Tube Amplifier

1 channel. 135 W into 4 or 8 ohms. Hand wiring; one 12AU7, one 12FQ7, and six EL34 vacuum tubes. Front-panel meter and bias controls. FR 20 Hz-20 kHz. 13 x 8 x 17 in; 70 lb .....\$3,250

### V4 120-W Tube Mono Amplifier

1 channel. 120 W into 4 or 8 ohms from 22 Hz-40 kHz. Four matched KT88 output tubes; 12FQ7 input tube; 12BH7 driver tube; Class AB operation; pentode output stage; hand wiring. 5-way binding posts. Chassis-mounted bias meter; individual bias controls for each output tube. Nickel chassis. 3-yr warranty. 16 1/4 x 7 1/4 x 13 1/4 in; 51 lb .....\$1,900

### Mini-Mite 25-W Tube Mono Amplifier

1 channel. 25 W into 2, 4, or 8 ohms from 20 Hz-20 kHz. Two EL34 output tubes; 12AX7 driver and input tube; Class AB operation; point-to-point hand wiring; self-biasing. RCA Input; 2, 4, and 8 ohm screw terminal. Can use 5L6 output tubes. Carbide black chassis. 11 x 5 1/2 x 8 in; 20 lb .....\$499

## RBH

### SAM-200 180-W Mono Amplifier

1 channel. Designed for use with subwoofers. 180 W into 8 ohms, 200 x 1 into 4 ohms, or 220 x 1 into 2 ohms. Class AB operation; variable crossover from 40-180 Hz. 1 set line-level inputs; 1 set speaker-level inputs; 1 set high-level outputs. Auto power-on; power switch; crossover bypass; variable crossover; master volume; power-indicator light. Damping factor 100; dynamic headroom 1.5 dB. Black-brushed aluminum. 17 x 4 x 13 in; 17 lb .....\$410

## RCM AKUSTIK

### Detonation Series

The following are designed for use with a subwoofer.

### DT110 125-W Mono Amplifier

1 channel. 125 W rms into 8 ohms or 150 x 1 rms into 4 ohms at 1 kHz with 0.01% THD. Class AB operation. 2 RCA inputs; RCA output; binding posts. Auto on/off/standby; 18 dB/oct low-pass cutoff infinitely variable from 40-180 Hz; 12 dB/oct subsonic filters; 6 dB/oct and 12 dB/oct satellite filters; mounts in speaker enclosure back; remote control. S/N 100 dB; damping factor 200. Matte-black brushed aluminum. 8 1/4 x 4 1/4 x 10 1/2 in; 11 lb .....\$229  
DT109. As above without remote control .....\$199

DT107. As above, 80 W x 1 into 8 ohms or 125 x 1 into 4 ohms. 8 x 4 1/4 x 10 in; 10 lb .....\$169

DT105. As above, 50 W x 1 into 8 ohms or 70 x 1 into 4 ohms .....\$149

## ROTEL

### RB 993 600-W Amplifier

3 channels. 200 W x 3 into 8 ohms from 20 Hz-20 kHz with 0.03% THD. Front-panel heat sink; thermal-protection circuit; discrete output devices; low negative feedback. 3 RCA inputs; 3 XLR inputs; 3-way binding posts. S/N 116 dB; damping factor 280. Black. 5-yr warranty. 17 1/4 x 4 1/4 x 14 1/4 in; 40 lb .....\$1,500

### RB-985THX 500-W THX Amplifier

5 channels. 100 W x 5 cont into 8 ohms. THX-certified. RCA and DB-25 inputs; 5-way binding-post terminals. FR 10 Hz-80 kHz ±0.5 dB; S/N 115 dB; damping factor 180. 17 1/2 x 5 1/2 x 15 1/2 in .....\$1,000

### RB-991 200-W/ch Amplifier

2 channels. 200 W x 2 cont into 8 ohms. XLR inputs; RCA inputs; binding-post terminals. FR 4 Hz-100 kHz +0.5, -3 dB; S/N 120 dB; damping factor 1000. 17 1/4 x 4 1/4 x 14 1/4 in .....\$1,000

### RB-976 360-W Amplifier

6 channels. 60 W x 6, 60 x 4 + 150 x 1, 60 x 2 + 150 x 2, or 150 x 3 cont into 8 ohms. 3 sets RCA inputs; 3 sets binding-post terminals. Gain control. FR 10 Hz-80 kHz ±1 dB; S/N 105 dB; damping factor 180. 17 1/4 x 4 1/4 x 14 1/4 in .....\$600

### RB-981 130-W/ch Amplifier

2 channels. 130 W x 2 or 360 x 1 cont into 8 ohms. Binding-post terminals. FR 4 Hz-100 kHz +0.5, -3 dB; S/N 120 dB; damping factor 1,000. 17 1/4 x 4 1/4 x 12 in .....\$600

### RB-971 60-W/ch Amplifier

2 channels. 60 W x 2 or 180 x 1 cont into 8 ohms. RCA inputs; binding-post terminals. FR 15 Hz-100 kHz -3 dB; THD 0.03%; S/N 116 dB; damping factor 280. 17 1/4 x 3 1/4 x 12 in .....\$400

### RB-951 50-W/ch Amplifier

2 channels. 50 W x 2 with 0.03% THD or 150 x 1 with 0.1% THD, both into 8 ohms from 20 Hz-20 kHz. Parallel mono configuration; thermal protection; Class AB operation. 2 single-end RCA inputs; binding posts. Adjustable input level; clipping indicators; auto on/off; link output; sensitivity adjustment. S/N 116 dB; damping factor 280. Black. 5-yr warranty. 17 1/4 x 3 1/4 x 13 1/4 in; 15 lb .....\$350

## SHERWOOD

### AM-9080 600-W Amplifier

5 channels. 120 W x 5 into 8 ohms with 0.05% THD, 200 x 5 into 4 ohms with 0.09% THD, or 320 x 5 into 2 ohms with 0.8% THD. Independent monoblock design; 3 power transformers; discrete amp circuitry; parallel pure-complementary push-pull output; servo-controlled DC output; circuit to maintain symmetry between positive and negative input sine waves. Gold-plated 5-way binding posts; DigiLink III system control input; 5 gold-plated inputs. S/N 115 dB. Titanium. 3-yr parts-and-labor warranty. 17 1/4 x 7 1/4 x 18 1/4 in; 70 lb .....\$1,200

## SIGNATURE TECHNOLOGIES

### SRa-9M Reference 200-W Tube Mono Amplifier

1 channel. 200 W. Discrete FET input driving four 6550 vacuum tubes in Class A; full-size bias pots with self-extinguishing LED indicators. Gold-plated input and output. Hardwood end caps and glass faceplate. FR 30 Hz-21 kHz ±1.5 dB; THD 0.03%; S/N 100 dB; dynamic headroom 1.2 dB. 19 x 8 x 15 in; 80 lb .....\$5,600

### SRa-4 Reference 70-W/ch Amplifier

2 channels. 70 W x 2 into 8 ohms; 135 W bridged mono. Discrete FET input drives two 6550 tubes per

# Power Amplifiers

channel in Class A; full-size bias pots with self-extinguishing LEDs; wood side panels; glass front-plate. Gold-plated input and output jacks. FR 30 Hz-21 kHz  $\pm 1.5$  dB; THD 0.03%; S/N 100 dB; dynamic headroom 1.2 dB. 19 x 8 x 15 in; 40 lb .....\$2,795

## SRa-8 Reference 35-W/ch Amplifier

2 channels. 35 W x 2 into 8 ohms. Discrete FET input drives 2 EL34 tubes in Class A; full-size bias pots with LEDs. Gold-plated input and output jacks. FR 30 Hz-21 kHz  $\pm 2$  dB; THD 0.035%; dynamic headroom 1.2 dB. 16 x 7 x 12 in; 35 lb .....\$1,695

## SONANCE

### Sonamp 260 x 3 60-W/ch Amplifier

2 channels. 60 W x 2 into 8 ohms or 100 x 2 into 4 ohms. Class AB output. RCA output for daisy-chaining. On/off signal sensing; level controls; switches for 3 speaker pairs. THD 0.05% ...\$499  
**Sonamp 260.** As above without 3 speaker-pair switches .....\$430

## SONIC FRONTIERS

### Power 3 220-W Tube Mono Amplifier

1 channel. 220 W into 2, 4, or 8 ohms from 20 Hz-20 kHz with 1% THD. Push-pull Class AB design; ultralinear operation; fully balanced. XLR input; 2 RCA XLR or RCA inputs; Cardas binding-post output connectors. 2-color LED Bias/Balance indicators; switch-selectable polarity and XLR/RCA inputs. S/N 110 dB; slew rate 19 V/ $\mu$ s; damping factor 50. Black or gold. 5-yr parts-and-labor warranty. 18 x 9 x 22 in; 100 lb .....\$9,999/pr

### Power 2 110-W/ch Tube Amplifier

2 channels. 110 W x 2 into 2, 4, or 8 ohms, all from 20 Hz-20 kHz with 1% THD. Fully balanced operation; push-pull Class AB design; ultralinear operation. 2 XLR inputs; 4 XLR or RCA inputs; 2 pair Cardas binding posts. Switch-selectable Input configuration; 2-color LED Bias indicators. S/N 110 dB; slew rate 16 V/ $\mu$ s; damping factor 50. Black or gold. 5-yr parts-and-labor warranty. 18 x 9 x 22 in; 110 lb .....\$4,999

### AMP-5 650-W Amplifier

5 channels. 130 W x 5 rms into 8 ohms or 260 x 5 rms into 4 ohms, both with 0.05% THD. Class AB1. XLR input jack for each channel; RCA input jack for each channel; gold-plated binding post for each channel. Auto gain select for each channel when mixing XLR and RCA inputs. S/N 110 dB; ch sep 90 dB; slew rate 20 V/ $\mu$ s; damping factor 100; dynamic headroom 1.5 dB. 5-yr parts-and-labor warranty. 19 x 5 1/4 x 16 in; 80 lb .....\$3,999

### Power 1 55-W/ch Tube Amplifier

2 channels. 55 W x 2 into 8 ohms from 20 Hz-20 kHz with 1% THD. Push-pull class AB design; fully balanced operation; ultralinear operation. 2 XLR inputs; 4 RCA inputs; 2 output binding posts. Switch-selectable XLR/RCA input; LED Bias indicators. S/N 95 dB; damping factor 35. Black or gold. 5-yr warranty. 15 x 9 x 20 in; 60 lb ...\$2,499

## SONOGRAPHE

### SA400 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms from 20 Hz-20 kHz with 1% THD. Bipolar output stage; JFET input stage. 17 x 5 1/4 x 13 in .....\$1,695  
**SA250.** As above, 125 W x 2 .....\$1,195

## SONY

### TA-N90ES 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms with 0.015% THD or 140 x 2 into 4 ohms with 0.01% THD. Power MOSFET output stage; triple push-pull complementary output stage; dual-mono design; discrete output transistors; nonmagnetic MOSFET frame; aluminum front panel; protection circuitry. XLR inputs. FR 1 Hz-20 kHz  $-3$  dB; S/N 120 dB; damping factor 100 into 8 ohms at 1 kHz; dynamic head-

room 2.8 dB. Black. 5-yr limited warranty. 17 x 6 x 16 1/2 in; 46 lb .....\$2,700

### TA-N55ES 110-W/ch Amplifier

2 channels. 110 W x 2 into 8 ohms with 0.004% THD, 150 x 2 into 4 ohms with 0.006% THD, or 300 x 1 into 8 ohms with 0.007% THD. Discrete output transistors; parallel push-pull output stage with 4 transistors per channel; thermal and short-circuit protection. Fixed and variable inputs; mono input/output; parallel A/B speaker terminals. Gain control; A/B speaker switching. Slew rate 120 V/ $\mu$ s; damping factor 100 into 8 ohms at 1 kHz; dynamic headroom 2.8 dB. 5-yr limited warranty. 17 x 6 x 14 1/2 in; 27 lb .....\$580

### TA-N220 180-W Amplifier

4 channels. 45 W x 4 with 0.015% THD, 100 x 1 + 45 x 2 with 0.1% THD, or 100 x 2 with 0.1% THD, all into 8 ohms from 20 Hz-20 kHz. Variable line-level-gain and bridging controls; front-panel status indicators. Dynamic headroom 2.3 dB. 17 x 5 1/4 x 14 1/2 in; 20 lb .....\$400

## SOUNDOLIER

### THP-CXB 100-W Mono Amplifier

1 channel. Designed for subwoofers. 100 W into 4 or 8 ohms. Class AB design; active crossover; short-circuit protection;. 17 x 4 1/4 x 12 1/4 in ...\$574

## SOUNDSTREAM

### RA100 MkIII 50-W/ch Multizone Amplifier

2 channels. Designed for one zone in multizone system with SN1 controller. 50 W x 2 into 4 ohms from 20 Hz-20 kHz  $-0.5$  dB with 0.1% THD. 1-ohm stability. Outputs for 4 speaker pairs; variable line-level outputs; input for local audio source; signal-processor loop. Remote volume and balance controls. Wall or shelf mountable. 9 x 1 1/4 x 14 in; 5 lb .....\$595

## SOUND VALVES

### M60i 60-W Tube Mono Amplifier

1 channel. 60 W into 2, 4, or 8 ohms from 20 Hz-20 kHz with 0.5% THD; 30 W triode operation. Class AB1 operation; machined aluminum face; regulated soft-start power supply; ground lift; one 12AT7/6201, one 12AU7/5963, and two 6550C vacuum tubes. Gold-plated RCA connectors and binding posts. Visual bias Indicator. S/N 100 dB. 3-yr limited parts-and-labor warranty. 9 1/2 x 7 1/2 x 12 in; 32 lb .....\$2,599/pr

### VTA-70i 35-W/ch Tube Amplifier

2 channels. 35 W x 2 or 70 W x 1 into 8 ohms at 1 kHz with 0.25% THD. Class AB1 operation; machined aluminum face; four matched EL34/6CA7 and two 6BH8A tubes. Gold-plated RCA connectors and binding posts. Visual bias indicator. FR 10 Hz-45 kHz  $-3$  dB; S/N 80 dB. 3-yr limited parts-and-labor warranty. 13 x 7 x 9 1/2 in; 32 lb ...\$1,099  
 Kit version .....\$899

### SV-250 130-W/ch Amplifier

2 channels. 130 W x 2 into 4 ohms or 130 x 2 into 8 ohms from 20 Hz-20 kHz with 0.03% THD. Class AB output operation; extruded aluminum sculpted faceplate; MOSFET operation. Slew rate 30 V/ $\mu$ s ....\$699

## SUNFIRE

### Cinema Grand 1,000-W Amplifier

5 channels. Designed for impedance loads as low as 1 ohm. 200 W x 5 into 8 ohms or 400 x 5 into 4 ohms. Crystal base with damping supports for vibration isolation. XLR inputs. Auto-on; power-supply energy meter on front panel. 5-yr warranty. 19 x 6 1/2 x 15 1/2 in; 44 lb .....\$2,375

### Sunfire 300-W/ch Amplifier

2 channels. Designed to drive any impedance load. 300 W x 2 into 8 ohms, 600 x 2 into 4 ohms, 1,200 x 2 into 2 ohms, or 2,400 x 2 into 1 ohm. Crystal base with damping supports for vibration isolation.

Power-supply energy meter on front-panel. 19 x 6 1/2 x 15 1/2 in; 43 lb .....\$2,175

## SUTHERLAND

### A-2000 100-W Mono Amplifier

1 channel. 100 W. All-MOSFET signal path; output protection outside the signal path for unrestricted dynamics; comprehensive power-supply monitoring mutes the audio signal during power-up, power-down or line voltage brown-outs.. Machined-aluminum and clear anodized case. 9 1/2 x 5 1/4 x 26 in; 17 lb .....\$12,000/pr

## SYMPHONIC LINE

### Kraft Reference 400 500-W Mono Amplifier

1 channel. 500 W into 8 ohms or 1,000 x 1 into 4 ohms. Class A operation. RCA and XLR inputs and outputs. FR 1 Hz-1,000 kHz; damping factor 1,600. 8-yr warranty. 24 x 14 x 30 in .....\$36,000/pr

### Kraft Reference 250 280-W Mono Amplifier

1 channel. 280 W into 4 ohms or 550 W into 8 ohms. Class A operation. RCA and XLR inputs and outputs. FR 1 Hz-700 kHz; damping factor 1,200. 8-yr warranty. 24 x 14 x 15 in; 105 lb ...\$18,500/pr

### Kraft Reference 250 280-W/ch Amplifier

2 channels. 280 W x 2 into 8 ohms or 550 x 2 into 4 ohms. Class A operation. RCA and XLR inputs and outputs. FR 1 Hz-700 kHz; damping factor 1,200. 8-yr warranty. 24 x 14 x 15 in; 120 lb ....\$12,500

### M 300 200-W Mono Amplifier

1 channel. 200 W into 8 ohms or 400 into 4 ohms. Class A/AB operation; internal protection circuits. RCA and XLR inputs and outputs. FR 1 Hz-500 kHz; damping factor 1,000. 5-yr warranty. 19 x 7 x 16 in .....\$8,500/pr

### S 200 150-W/ch Amplifier

2 channels. 150 W x 2 into 8 ohms or 300 W x 2 into 4 ohms. Dual-mono design; Class A/AB operation; internal protection circuits. RCA and XLR inputs and outputs. FR 2 Hz-450 kHz; damping factor 1,000. 5-yr warranty. 19 x 7 x 16 in; 75 lb ...\$4,295

## TANDBERG

### TPA 4147 360-W Amplifier

3 channels. 120 W rms x 3 into 8 ohms. FR 20-20,000 Hz +0, -1 dB; S/N 90 dB. 28 lb ...\$1,599

### TPA 4036 100-W/ch Amplifier

2 channels. 100 W rms x 2 into 8 ohms or 160 x 2 into 4 ohms. Zero-negative-feedback design; local error-correction circuitry in the output stage. FR 20 Hz-20 kHz +0, -1 dB; S/N 90 dB. 17 1/4 x 3 1/4 x 15 in; 22 lb .....\$1,499

### TPA 4146 120-W/ch Amplifier

2 channels. 120 W rms x 2 into 8 ohms. FR 20-20,000 Hz +0, -1 dB; S/N 90 dB. 22 lb ...\$1,299

## TAURUS AUDIO

### Model 300B 25-W/ch Tube Amplifier

2 channels. 25 W x 2. One 12AX7, two 6N8P, and four 300B tubes; stainless steel chassis. Gold-plated RCA input. Ultralinear push-pull circuit; detachable AC power cord. Cover-grid optional. FR 10 Hz-50 kHz  $\pm 1.5$  dB; THD 1%; S/N 85 dB. 15 1/4 x 10 1/2 x 9 1/2 in; 33 lb .....\$1,800

### Model 120S 70-W/ch Tube Amplifier

2 channels. 70 W x 2. One 12AX7, two 6N8P, and four KT88 tubes; fully symmetrical output transformer; stainless-steel chassis. Gold-plated RCA input. Ultralinear push-pull circuit; detachable AC power cord. FR 10 Hz-50 kHz  $\pm 1.5$  dB; THD 1%; S/N 90 dB. 15 1/4 x 11 x 9 1/2 in; 40 lb .....\$1,400

### Model 70Mk3 50-W/ch Tube Amplifier

2 channels. 50 W x 2. One 12AX7, two 6N8P, and four EL 34 tubes; stainless-steel chassis. Gold-

one bell, one whistle,



and a button to turn them off.

It's not about a pile of features you'll never use. It's about delivering the best sound for the dollar. The NAD 317 integrated amplifier is built simple to provide foremost - a faithful and musical performance. And, as with all NAD products, it maintains a reputation for true value, performance and simplicity.

Oh... it has one more feature, the ability to make you smile when you find out the price.

**NAD 317 Integrated Amplifier**  
80 watts into 8 ohms, bridgeable to 240 watts,  
6 line level inputs (including 2 tape in/outputs),  
pre out/main in, all discrete circuitry,  
defeatable Soft Clipping™, remote control with NAD Link.

pure and simple:



# Power Amplifiers

plated RCA input. Ultralinear push-pull circuit; detachable AC power cord. Cover-grid optional. FR 10 Hz-50 kHz  $\pm 1.5$  dB; THD 1%; S/N 90 dB. 15 $\frac{1}{2}$  x 11 x 9 $\frac{1}{2}$  in; 33 lb .....\$980

## TECHNICS

### SE-A1000 65-W/ch Amplifier

2 channels. 65 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.01% THD. MOS Class AA circuitry with MOSFET devices in Class A voltage-controlled amp and bipolar transistors in current-drive amp. Analog power-level meters .....\$730

## THETA DIGITAL

### Dreadnaught 1,000-W Amplifier

5 channels. 200 W x 5 into 8 ohms or 400 x 5 into 4 ohms. Zero feedback. XLR and RCA inputs for each channel. 12-V triggered power switch. Black or silver finish. 5-yr warranty .....\$5,400  
As above, 4 channels .....\$4,600  
As above, 3 channels .....\$3,800  
As above, 2 channels .....\$3,000

## THORENS

### TTA 2000 35-W/ch Amplifier

2 channels. 35 W x 2 into 8 ohms or 60 x 2 into 4 ohms. Gold-plated RCA jacks. Phase control for power lines. FR 10 Hz-150 kHz -0.5 dB; THD 1% at 1 kHz; S/N 107 dB. 8 $\frac{1}{4}$  x 3 $\frac{3}{8}$  x 13 $\frac{1}{2}$  in; 19 lb .....\$1,300

### TMA 2000 190-W Mono Amplifier

1 channel. 190 W into 8 ohms or 240 W into 4 ohms. Phase control for power lines. FR 10 Hz-100 kHz -0.5 dB; THD 0.06% at 1 kHz; damping factor 120 .....\$1,250

## TUBE RESEARCH LABS

### GT400 400-W Tube Mono Amplifier

1 channel. 400 W into 2, 4, or 8 ohms from 20 Hz-20 kHz with 0.3% THD. Triode design without printed circuit board; 24 vacuum tubes; 2 $\frac{1}{2}$ -inch military-grade meter for continuously adjustable bias. 1-in thick black anodized plates for front and rear that double as handles; 24k polished gold plate to cover transformer and capacitor banks. 5-yr warranty. 19 x 12 x 37 in; 210 lb .....\$30,000/pr  
**TR300.** As above, 300 W. Switchable triode/pentode design; 16 tubes. 24 x 12 x 20 in .....\$19,000/pr  
**GT100.** As above, 100 W x 1. 21 x 12 $\frac{1}{2}$  x 11 in; 75 lb .....\$10,000/pr  
**ST100.** As above, 100 W x 2. 16 tubes. 24 x 12 x 20 in; 125 lb .....\$9,000

## TUBE TECHNOLOGY

### Synergy DMA 150-W/ch Tube Amplifier

2 channels. 150 W x 2 rms into 8 ohms from 12 Hz-58 kHz at 1% THD. 6 EL34 pentode tubes per channel; ultralinear operation. 1 RCA input per channel. S/N 96 dB. 18 $\frac{1}{2}$  x 6 x 18 $\frac{1}{2}$  in; 102 lb .....\$10,000

### Genesis Signature 100-W Tube Mono Amplifier

1 channel. 100 W rms into 8 ohms from 12 Hz-58 kHz with 1% THD. EL34/6CA7 tubes; pentode output stage; push-pull ultralinear circuitry. 1 RCA input. Black; available in silver. 14 x 6 x 11 in .....\$7,300

### Unisis Signature 70-W Tube Mono Amplifier

1 channel. 70 W x 1 rms or 35 x 2, both into 8 ohms from 12 Hz-58 kHz with 1% THD. Push-pull ultralinear-design pentode tube amp; EL84 tubes. RCA input. S/N 96 dB. Black; available in silver. 14 x 6 x 11 in; 27 lb .....\$2,900

### Syrinx Stereo 45-W/ch Tube Amplifier

2 channels. 45 W x 2 rms or 90 x 1, both into 8 ohms from 16 Hz-55 kHz with 1% THD. Auto bias circuit; pentode output stage; EL34 tubes. RCA input and output. Black; available in silver. 14 x 3 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in .....\$1,950

## ULTECH AUDIO

### UPA-650T 650-W Amplifier

5 channels. 130 W x 5 into 8 ohms from 20 Hz-20 kHz with 0.15% THD. Class AB design. 5 inputs. S/N 72 dB. Black anodized finish. 3-yr parts-and-labor warranty. 85 lb .....\$3,495

## VAC

### R140 MkIII 130-W Tube Mono Amplifier

1 channel. 130 W into 2, 4, or 8 ohms. All Class A triode-tube circuitry; 300B output triodes; 300B sentry tube monitor circuit; zero or variable feedback; variable grounding; Class A direct-coupled input circuit. 18 x 8 $\frac{1}{4}$  x 18 in; 125 lb .....\$11,290

### R70/70 MkIII 65-W/ch Tube Amplifier

2 channels. 65 W x 2 into 2, 4, or 8 ohms. Class A triode-tube circuitry; 300B output triodes; 300B sentry tube monitor circuit; single-chassis dual-mono design; independent power cords for each channel; zero or variable feedback; variable grounding; Class A direct-coupled input circuit. FR 6 Hz-90 kHz -5 dB. 18 x 8 $\frac{1}{4}$  x 18 in; 125 lb .....\$11,290

### PAS-90 90-W/ch Tube Amplifier

2 channels. 90 W x 2 into 2, 4, or 8 ohms from 20 Hz-20 kHz. All-tube circuitry; nonmagnetic chassis; enclosed tubes. RCA input; speaker binding-post outputs. Rack mountable. Wood, leather, or custom finishes optional. Powder-coat finish. 5-yr warranty. 20 $\frac{1}{2}$  x 10 $\frac{1}{2}$  x 16 $\frac{1}{2}$  in; 78 lb .....\$6,890

### R30/30 MkIII 32-W/ch Tube Amplifier

2 channels. 32 W x 2 into 2, 4, or 8 ohms. All Class A triode tube circuitry; 300B output triodes; 300B sentry tube monitor circuit; zero or variable feedback; variable grounding; nonmagnetic chassis; Class A direct-coupled input circuit. FR 6 Hz-90 kHz -0.5 dB. 18 x 7 $\frac{1}{2}$  x 15 $\frac{1}{2}$  in; 100 lb .....\$6,490

### PAM-160 160-W Tube Mono Amplifier

1 channel. 160 W x 1 or 85 W x 2, both into 2, 4, or 8 ohms from 20 Hz-20 kHz. All-tube circuitry; variable feedback; switchable between triode and ultralinear operation; enclosed tubes; may use KT88, KT90, or 6550 output tubes. RCA input; binding-post outputs. Illuminated analog bias meter; individual output tube bias controls; rack mountable. Wood, leather, or custom finishes optional. Powder-coat finish. 20 $\frac{1}{2}$  x 10 $\frac{1}{2}$  x 16 $\frac{1}{2}$  in; 60 lb .....\$6,190

### PTS-120 60-W/ch Amplifier

2 channels. 60 W x 2 rms into 8 ohms from 20 Hz-20 kHz. Non class AB design; nonmagnetic chassis. RCA inputs; speaker binding-post outputs. Rack mountable. Wood, leather, or custom finishes optional. Powder-coat finish. 5-yr warranty. 20 $\frac{1}{2}$  x 7 $\frac{1}{4}$  x 16 $\frac{1}{2}$  in; 38 lb .....\$4,990

### PTT-60 180-W Amplifier

3 channels. 60 W x 3 rms from 20 Hz-20 kHz. Class AB operation. RCA inputs; binding-post outputs. Rack mountable. Custom finishes optional. Powder-coat finish. 5-yr warranty. 20 $\frac{1}{2}$  x 7 $\frac{1}{4}$  x 16 $\frac{1}{2}$  in; 45 lb .....\$4,990

### PA35/35 37-W/ch Tube Amplifier

2 channels. 37 W x 2 into 2, 4, or 8 ohms. All-triode operation; direct-coupled Class A input; variable feedback; switchable grounding modes; nonmagnetic chassis. Bias monitors and adjustments. FR 6 Hz-90 kHz -0.5 dB. 18 x 8 x 14 in; 60 lb .....\$3,290

### PA80/80 80-W/ch Tube Amplifier

2 channels. 80 W x 2 into 2, 4, or 8 ohms. All-tube circuitry with 4 Golden Dragon KT88M output vacuum tubes; direct-coupled Class A input. Bias monitors and adjustments. FR 6 Hz-90 kHz -0.5 dB. 18 x 8 x 14 in; 60 lb .....\$3,290

## VDN

### REX 100 100-W Mono Amplifier

1 channel. 100 W into 8 ohms from 10 Hz-80 kHz with 0.2% THD. All-triode operation. 3 selectable

inputs; 5-way terminal outputs; no switched AC outlets. Input-level control. S/N 85 dB; slew rate 25 V/ $\mu$ s; damping factor 80; dynamic headroom 3 dB. Italian marble front plate. 3-yr warranty. 12 x 7 x 18 in .....\$6,700/pr

## VIRTUAL IMAGE

### StereoBloc Twenty Forty 40-W Tube Amplifier

2 channels. 20 W x 2 or 40 x 1 rms, both into 2, 4, or 8 ohms. Pentode gain stage direct-coupled to triode inverter coupled to fixed-bias push-pull 6CA7 output stage for each channel; nonregulated power supply. Cardas gold and rhodium RCA inputs; gold-plated beryllium-copper military-spec octal sockets; gold-plated binding posts. 3-position switch for negative feedback; digital bias meter. 2-ohm tap optional. FR 20 Hz-20 kHz  $\pm 0.25$  dB; THD 1%; S/N 80 dB; dynamic headroom 3 dB. 3-yr warranty. 19 $\frac{1}{4}$  x 8 $\frac{1}{2}$  x 13 $\frac{1}{4}$  in; 38 lb .....\$3,500

## WAAS AUDIO-DIGITAL

### Model 1400 700-W/ch Amplifier

2 channels. 700 W x 2 from into 8 ohms 3 Hz-35 kHz with 0.4% THD. Class A operation; tube/MOSFET hybrid design. 2 RCA inputs; 2 outputs. Optical volume controls. 2 XLR inputs optional. S/N 100 dB; slew rate 100 V/ $\mu$ s; dynamic headroom 1.5 dB. 3-yr warranty. 18 x 5 $\frac{1}{2}$  x 22 in; 56 lb ...\$6,000

### Model 1200 1,200-W Amplifier

6 channels. 200 W x 6 into 4 or 8 ohms from 3 Hz-40 kHz with 0.3% THD. Class A operation; tube/MOSFET hybrid design; linear power supply. 6 RCA inputs; 6 outputs. 6 XLR inputs optional. S/N 100 dB; slew rate 100 V/ $\mu$ s; dynamic headroom 1.5 dB. 3-yr warranty. 54 lb .....\$3,400

## WOLCOTT AUDIO

### Presence P220M 250-W Tube Mono Amplifier

1 channel. 250 W with 0.01% THD. Auto bias circuitry. RCA and XLR inputs; 2 sets proprietary outputs. Tube-status LED indicator. FR 3 Hz-66 kHz -3 dB; S/N 105 dB; dynamic headroom 1 dB. Satin aluminium and black lacquer with acrylic sides. 5-yr amp except tubes warranty .....\$8,495/pr  
**Presence P220M Gold.** As above with gold panel and trim .....\$8,795/pr

## WOODSIDE

### MA100 100-W Tube Mono Amplifier

1 channel. 100 W into 8 ohms or 125 x 1 into 4 ohms. Four 6550 vacuum tubes; 6SN7GT/6SL7GT input tubes. FR 8 Hz-60 kHz; S/N 90 dB. 17 x 7 $\frac{1}{2}$  x 15 $\frac{1}{2}$  in; 38 lb .....\$5,495  
**STA50.** As above, 50 W x 2 into 8 ohms or 70 x 2 into 4 ohms. Single 6500 vacuum tube .....\$2,995

## XANTECH

### PA 640 240-W Amplifier

6 channels. 40 W x 6 or 100 x 3, both into 8 ohms. Discrete drivers and output transistors. 6 line-level RCA inputs; 4 screw terminal plug-in connectors for speaker connection; remote on/off jack. Input-level adjustments for each channel- and amp-pairs. S/N 96 dB; slew rate 20 V/ $\mu$ s; damping factor 100. Black anodized. 12 $\frac{1}{4}$  x 3 $\frac{3}{8}$  x 13 $\frac{1}{2}$  in; 14 lb .....\$1,000

## YAMAHA

### MX-1 200-W/ch Amplifier

2 channels. 200 W x 2 rms into 8 ohms with 0.008% THD or 350 x 2 rms into 2 ohms with 0.09% THD. Class A operation; gold-plated PCB board wiring; linear damping circuit. Link for CX-1 or CX-2 preamp; 3-way binding posts; gold-plated solid-brass inputs. S/N 125 dB; damping factor 350. 17 $\frac{1}{2}$  x 4 $\frac{1}{2}$  x 19 $\frac{1}{2}$  in; 53 lb .....\$1,199  
**MX-2.** As above, 150 W x 2 rms into 8 ohms with 0.008% THD or 230 x 2 rms into 2 ohms with 0.09% THD. 17 $\frac{1}{2}$  x 4 $\frac{1}{2}$  x 19 $\frac{1}{2}$  in; 42 lb .....\$899

# Integrated Amplifiers

## ACCUPHASE

### E-406 V 170-W/ch Integrated Amplifier

2 channels. 170 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.02% THD or 220 x 2 into 4 ohms. Tuner input; 2 line-level inputs; 2 tape inputs; XLR CD input; XLR line-level input; preamp output; outputs for 2 speaker pairs. Triple parallel push-pull configuration; current-feedback design allows stable operation; logic-controlled relays permit shorter signal paths. Power-level meters; remote control with switching for line and volume. S/N 127 dB; damping factor 120 into 8 ohms at 50 Hz. 19 x 17 x 16 1/2 in. ....\$7,000

### E-306V 100-W/ch Integrated Amplifier

2 channels. 100 W x 2 into 8 ohms from 20 Hz-20 kHz. 3 line-level inputs; tuner input; tape input; CD input; XLR CD input; XLR line-level input; headphone jack; line-level outputs. Class AB design; current-feedback circuit-topology; parallel push-pull output stage; logic-controlled relays; separate power supplies for amp and preamp sections; infrasonic filter. Remote source switching and volume control; loudness compensator switch; power-level meters. S/N 100 dB; damping factor 100 into 8 ohms at 50 Hz. 3-yr warranty. 18 1/4 x 6 1/4 x 16 1/2 in; 46 lb .....\$4,200  
**AD-10.** Analog Input Board .....\$800  
**Line-10.** Line-level inputs .....\$200

### E-210 80-W/ch Integrated Amplifier

2 channels. 80 W x 2 into 8 ohms or 110 x 2 into 4 ohms. XLR inputs; 4 line-level inputs; headphone jack. Current-feedback circuit topology prevents phase shifts; logic-controlled relays for optimum signal routing; infrasonic filter; remote control with source switching and volume adjustment. FR 20 Hz-20 kHz; THD 0.04%; damping factor 110 into 8 ohms at 50 Hz. 18 1/4 x 5 1/4 x 16 1/2 in; 40 lb .....\$2,475  
**E-210A.** As above with phono stage .....\$2,670

## ACURUS

### DIA150 150-W/ch Integrated Amplifier

2 channels. 150 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.09% THD. Tape output. Direct Input design with 1 gain block from source to speaker outputs. Remote volume, balance, and switching. 17 x 5 x 14 in; 38 lb .....\$1,499

## AMC

### CVT3030a 30-W/ch Tube Integrated Amplifier

2 channels. 30 W x 2 into 8 ohms from 45 Hz-20 kHz with 1.0% THD. 5 line-level, 1 phono, and 1 tape-monitor input; 4- and 8-ohm speaker outputs; record output; 5-way binding posts; headphone jack; 2 switched and 1 unswitched AC outlets. Pure Class A circuitry; 2 EL34 output tubes per channel; 7 high-voltage MOSFETs per channel; fixed bias on output tubes; 2 low-noise fans. Tape monitor and tone-bypass switches. S/N 80 dB; ch sep 50 dB. Black. 17 x 5 x 13 in; 34 lb .....\$1,000

### Model 3050a 45-W/ch Integrated Amplifier

2 channels. 45 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.05% THD. 3 line-level, 1 phono, and 1 tape-monitor input; pre-out/main-in loop; record output; 5-way binding post; headphone jack; switched and unswitched AC outlets. Class AB design; high-output-current devices with optimized power supply designs and enhanced virtual image topology. Remote input-select and volume control; tape monitor; tone-bypass switch. S/N 80 dB; ch sep 65 dB. Black. 17 x 3 1/2 x 13 in; 16 lb .....\$500

### Model 3025a 30-W/ch Integrated Amplifier

2 channels. 30 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.05% THD. 3 line-level, 1 phono, and 1 tape-monitor input; pre-out/main-in loop; record output; 5-way binding-posts; headphone jack; switched and unswitched AC outlets. Class AB design; high-output-current devices with optimized power-supply designs and enhanced virtual image topology. Remote input and volume controls; tone-

bypass switch. S/N 80 dB; ch sep 65 dB. Black. 17 x 3 1/2 x 13 in; 15 lb .....\$400

## ANTHEM

### Integrated 2 80-W/ch Integrated Amplifier

2 channels. 80 W x 2 rms into 8 ohms or 130 x 2 rms into 4 ohms both with 0.05% THD. CD, tuner, and aux inputs; line-level and tape outputs; speaker binding-posts; front-panel headphone jack. Vacuum tube input stage; solid-state Class AB output stage. Remote volume, muting, and source-selection control. S/N 90 dB; slew rate 20 V/μs; damping factor 100; dynamic headroom 1.5 dB. Black or silver. 5-yr limited warranty. 19 x 5 1/4 x 16 in; 35 lb .....\$1,699

## ARCAM

### Alpha 10AV 100-W Dolby Digital/DTS Integrated Amplifier

5 channels. Dolby Digital, DTS, and Dolby Pro Logic modes. 100 W x 5 rms into 8 ohms from 20 Hz-20 kHz. 5 line-level audio inputs; 2 digital and optical audio inputs; 1 component-, 4 composite, and 4 S-video inputs; 2 tape loops; line-level output; 1 component-, 2 composite-, 2 S-video outputs. Modular design. Charcoal finish. 17 x 4 1/2 x 15 in; 22 lb .....\$3,099

### Alpha 10 100-W/ch Integrated Amplifier

2 channels. 100 W x 2 rms into 8 ohms from 20 Hz-20 kHz. 5 line-level inputs; 2 tape loops; preamp output. Modular design. Charcoal finish. 17 x 4 1/2 x 15 in; 22 lb .....\$1,599

### AV50 250-W A/V Integrated Amplifier

5 channels. Dolby Pro Logic. 50 W x 5. 4 composite-video inputs; 7 line-level audio inputs. Optional external-decoder socket allows connection to outboard 5.1-channel surround decoder. Remote control. MM phono input optional. 14 lb .....\$1,299

### Alpha 9 70-W/ch Integrated Amplifier

2 channels. 70 W x 2 cont into 8 ohms. Remote control. Phono input optional. 13 lb .....\$999  
**Alpha 8.** As above, 50 W x 2; MM input; remote control optional. 10 lb .....\$699  
**Alpha 7.** As above, 40 W x 2; without remote control. 9 lb .....\$449

## EarMax Pro 100-mW/ch Tube

**Integrated Headphone Amplifier**  
 2 channels. 100 mW x 2. RCA input; phone output. Class A operation; triode operation; no transformers in output stage. Volume control. 3 1/4 x 3 1/2 x 4 in; 1 lb .....\$750  
 Isolation platform for above .....\$195

## Earmax 100-mW/ch Tube

**Integrated Headphone Amplifier**  
 2 channels. 100 mW x 2. RCA inputs; headphone jack. Class A output stage; computer-optimized external power supply. 3 1/4 x 3 1/2 x 4 in; 1 lb .....\$575

## AUDIO ELECTRONICS

### AE-20I 20-W/ch Tube Integrated Amplifier

2 channels. 20 W x 2 into 8 ohms from 20 Hz-20 kHz with 1.5% THD. 3 RCA inputs; 5-way binding-post outputs. Push-pull Class A circuitry. S/N 80 dB; ch sep 70 dB. Steel-coated black-epoxy finish. 3-yr warranty. 14 x 6 1/2 x 11 in; 25 lb .....\$999

## AUDIOLAB

### Model 8000S 60-W/ch Integrated Amplifier

2 channels. 60 W x 2 into 8 ohms or 100 x 2 into 4 ohms. 6 line-level inputs; 3 tape loops; 2 preamp outputs; headphone jack. 5 user-selectable pre/power modes; auto muting; remote control. FR 1 Hz-65 kHz; THD 0.07%; S/N 80 dB. 17 1/2 x 3 x 13 in; 17 lb .....\$1,095

### Model 8000A MkIII 60-W/ch Integrated Amplifier

2 channels. 60 W x 2 into 8 ohms or 100 x 2 into 4

ohms. MM and MC phono inputs; 3 tape loops; pre-out/main-in loops; outputs for 2 speaker pairs; headphone jack. Overload protection. Separate input and record selectors; defeatable phase-compensated tone controls; mute. FR 1 Hz-65 kHz; THD 0.05%; S/N 78 dB MM, 75 dB MC, 80 dB line. 17 1/2 x 3 x 13 in; 17 lb .....\$895

### Model 8000LX 60-W/ch Integrated Amplifier

2 channels. 60 W x 2 into 8 ohms or 100 x 2 into 4 ohms. 6 line-level inputs; 3 tape loops; pre-out/main-in loop; headphone jack. Auto muting. FR 1 Hz-65 kHz; THD 0.07%; S/N 80 dB. 17 1/2 x 3 x 13 in; 16 lb .....\$695

## AUDIO NOTE

### Meishu Phono 8-W Tube Mono

**Integrated Amplifier**  
 1 channel. 8 W. CD, tuner, and aux/phono inputs. Single-ended Class A circuitry; tube-rectified power supplies. 88 lb .....\$6,195

### Meishu Line 8-W/ch Tube Integrated Amplifier

2 channels. 8 W x 2. CD, tuner, and aux/phono inputs. Single-ended Class A circuitry; silver-wired power supplies. 31 lb .....\$5,295

## UK Series

### Soro-Phono 17-W/ch Tube Integrated Amplifier

2 channels. 17 W x 2. Combines Audio Note M1 phono preamplifier and P2 SE tube power amplifier in single chassis. 17 1/2 x 5 1/4 x 17 1/2 in .....\$3,495  
**Soro-Line.** As above with M1 line preamp ...\$2,995

### OTO-Phono 10-W/ch Tube Integrated Amplifier

2 channels. 10 W x 2. Combines M1 Phono preamplifier and P1 SE power amplifier in single chassis. 17 1/2 x 5 1/4 x 17 1/2 in .....\$2,495  
**OTO-Line.** As above with M1 Line preamplifier; no phono input .....\$1,995

## AUDIO RESEARCH

### CA50 45-W/ch Tube Integrated Amplifier

2 channels. 45 W x 2 into 8 or 4 ohms. 6 RCA inputs; subwoofer output; 4- and 8-ohm speaker outputs. Power, muting, record-out selector; monitor switch; remote control. 3-yr warranty .....\$3,495

## AUDIRE

### Adagio 60-W/ch Integrated Amplifier

2 channels. 60 W x 2 into 8 ohms from 20 Hz-20 kHz or 100 x 2 into 4 ohms. 6 line-level inputs; 2 tape loops; pre-out/main-in loops; gold-plated 5-way binding-post for 2 speaker pairs. One FET op-amp per channel in preamp stage; all-discrete power amp with MOSFET output stage. Balance control. Slew rate 45 V/μs; damping factor 250. 3-yr parts-and-labor warranty. 19 x 5 1/4 x 9 in; 22 lb .....\$950

## BEL CANTO DESIGN

### SETi40 40-W/ch Tube Integrated Amplifier

2 channels. 40 W x 2 rms into 8 ohms. 3 RCA inputs. Pure Class A1 design; single-ended triode operation; auto bias circuitry. Remote volume/mute control; remote balance, standby, and input-selector controls; 4/8-ohm switch. FR 5 Hz-35 kHz; S/N 96 dB; ch sep 70 dB; damping factor 3; dynamic headroom 0.5 dB. Black. 3-yr warranty. 19 1/2 x 11 x 15 in; 64 lb .....\$5,200  
 Gold Ring package .....\$360/pr  
 Tube Cage .....\$180

### Celio 50-W/ch Integrated Amplifier

2 channels. 50 W x 2 or 100 x 1, both into 8 ohms. XLR inputs. Class A/AB design. FR 10 Hz-20 kHz; THD 0.1%. 68 lb .....\$2,990

## BRYSTON

### B-60 60-W/ch Integrated Amplifier

2 channels. 60 x 2 into 8 ohms and 100 x 2 into 4 ohms. Gold-plated RCA input and output connec-

# Integrated Amplifiers

tors; 4 line-level inputs; 1 tape loop; 5-way speaker binding post; headphone output; pre-out/main-in loops. Input buffer to reduce noise and distortion. Remote control. 20-yr warranty ..... \$1,795  
As above without remote control ..... \$1,495

## CARVER

**CM-2002 105-W/ch Integrated Amplifier**  
2 channels. 105 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.08% THD. CD, tuner, and aux/ phono inputs; 2 tape loops; external-processor loop. D/A converter. Dual power meters; removable rack handles; remote volume control; MM/MC phono switch. S/N 98 dB; ch sep 70 dB. Black. 28 lb ..... \$899

## CARY AUDIO DESIGN

**CAD-845SEI 25-W Tube Integrated Amplifier**  
2 channels. 25 W x 2 into 8 ohms from 20 Hz-23 kHz with 0.5% THD. 3 RCA inputs; two 5-way binding posts. Pure class A design. Balance control. S/N 82 dB. Black anodized aluminum. 3-yr warranty. 8½ x 17 x 17 in; 90 lb ..... \$7,495  
Remote volume control ..... \$499

**CAD-300SEI 11-W/ch Tube Integrated Amplifier**  
2 channels. 11 W x 2 into 4 ohms. Single-ended Class A circuitry; 200%-duty-cycle air-gapped wax-impregnated output transformer wound with OFC wire; silver double-E Teflon wire; point-to-point wiring; two 300B triode output tubes in Class A single-ended configuration; three 6SN7 input driver tubes; oil-filled coupling capacitors. 24k gold-finished faceplate and knobs optional. Remote control optional. FR 20 Hz-20 kHz ±0.75 dB; S/N 80 dB. 14 x 8 x 14 in; 51 lb ..... \$3,995

**SLI-80 80-W/ch Tube Integrated Amplifier**  
2 channels. 80 W x 2. Push-pull ultra-linear circuitry; two 12AU7 input buffer preamp tubes; two 6SN7 pre-driver/phase inverter tubes; four Tesla-KT-88 output tubes; two CV729/5U4 rectifier tubes. FR 19 Hz-23 kHz ±0.5 dB. 17 x 7 x 16 in; 42 lb ..... \$2,795  
Remote control ..... \$499

**SLI-50 50-W/ch Tube Integrated Amplifier**  
2 channels. 50 W x 2. Push-pull pure Class A circuitry; 150% duty cycle for all transformers; two 6SN7 pre-driver/phase inverter tubes; two 12AU7 input buffer preamplifier tubes; four E34L output tubes; two CV729/5U4 rectifier tubes. FR 19 Hz-23 kHz ±0.5 dB; damping factor 36. 7 x 17 x 16 in; 42 lb ..... \$2,295  
Remote control ..... \$499

## CELLO

**Cello Integrated Amp 50-W/ch Integrated Amplifier**  
2 channels. 50 W x 2 rms into 8 ohms or 100 x 2 rms into 4 ohms, both from 20 Hz-20 kHz with 0.1% THD. 5 RCA inputs; RCA tape output. Remote control. Slew rate 50 V/µs; dynamic headroom 1.5 dB. Anodized aluminum. 19 x 3½ x 15 in; 22 lb ..... \$3,500

## CLASSE

**CAP-150 150-W/ch Integrated Amplifier**  
2 channels. 150 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.005% THD. 4 RCA inputs; tape input; XLR input; power-amp input; tape output; pre-amp output. Class AB output operation. Remote handset for volume and mute control. MM/MC phono board optional. S/N 110 dB. Black or silver. 5-yr warranty. 19 x 5 x 17 in; 35 lb ..... \$1,995

**CAP-80 100-W/ch Integrated Amplifier**  
2 channels. 100 W x 2 rms into 8 ohms. 4 RCA inputs; XLR input; tape input; preamp output; tape output. Class AB output operation. Full-function remote control; front-panel volume-level display.

S/N 90 dB. Black or silver. 19 x 4½ x 14½ in; 25 lb ..... \$1,395

## CONRAD-JOHNSON

**Premier 150CA 150-W/ch Integrated Amplifier**  
2 channels. 150 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 1% THD. 7 line-level inputs; 2 tape loops; 2 tape outputs; preamp output. Remote control. Aluminum or yellow metal. 3-yr warranty ..... \$4,995

**CAV 50 45-W/ch Tube Integrated Amplifier**  
2 channels. 45 W x 2 into 4 or 8 ohms from 30 Hz-15 kHz with 1% THD. 6 line-level inputs; 1 preamp output. Class AB design. Champagne-gold front panel. 3-yr warranty. 40 lb ..... \$2,495

## CONTINUUM

**Unison 100-W/ch Integrated Amplifier**  
2 channels. 100 W x 2 into 8 ohms, 200 x 2 into 4 ohms, or 400 x 2 into 2 ohms, all rms from 5 Hz-20 kHz with 0.2% THD. 4 RCA inputs; tape monitor loop; subwoofer output; preamp output. Class A/AB operation. Remote standby and volume controls; monitor switch; low-frequency contour control. S/N 96 dB; ch sep 100 dB at 1kHz; slew rate 50 V/µs; damping factor 120; dynamic headroom 2.4 dB. Black or silver finish. 5-yr warranty. 17 x 6 x 14 in; 45 lb ..... \$2,995

## CREEK

**Model 5250SE 60-W/ch Integrated Amplifier**  
2 channels. 60 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.03% THD. 2 tape loops; preamp output. Class AB design; 200-VA toroidal transformer; cascode differential input stage; FET differential voltage amp and MOSFET drivers. Separate listen and record-selector switches; 2-zone speaker switching; remote control. S/N 105 dB; slew rate 60 V/µs. Black. 16½ x 2½ x 11 in; 11 lb ..... \$1,195

**Model 5250 50-W/ch Integrated Amplifier**  
2 channels. 50 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.03% THD. 2 tape loops; preamp output. Class AB design; cascode differential input stage; FET differential voltage amp and MOSFET drivers. Separate listen and record selector switches; remote control. S/N 105 dB; slew rate 60 V/µs. Black. 16½ x 2½ x 11 in; 10 lb ..... \$795  
**5250R.** As above with remote control ..... \$995  
As above with MC board ..... \$95 extra  
As above with MM board ..... \$60 extra

**Model 4330R 35-W/ch Integrated Amplifier**  
2 channels. 35 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.03% THD. Class AB passive preamp. Remote volume/mute control. Black. 16½ x 2½ x 8 in ..... \$595  
**Model 4330.** As above without remote volume control ..... \$495  
As above with MC phono board ..... \$90 extra  
As above with MM phono board ..... \$60 extra

## DB-9 Headphone Integrated Amplifier

2 channels. Alps volume control. FR 20 Hz-75 kHz -1 dB; THD 0.02% ..... \$200  
As above with standard volume control ..... \$150

## DENON

**PMA-2000R 80-W/ch Integrated Amplifier**  
2 channels. 80 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.07% THD, or 160 x 2 into 4 ohms at 1 kHz with 0.7% THD. CD, tuner, and aux/phono inputs; tape input; DVD input; gold-plated speaker terminals; biwire outputs; tape output. Push-pull circuitry; dual transformers; high-speed rectifier circuit. Remote control; MM/MC phono EQ. S/N 110 dB line, 91 dB MM, 76 dB MC. Black front panel. 17½ x 7½ x 18½ in; 44 lb ..... \$999

**PMA-525R 50-W/ch Integrated Amplifier**  
2 channels. 50 W x 2 into 8 ohms or 150 x 2 into 2

ohms, both from 20 Hz-20 kHz with 0.05% THD. MM phono input; CD, tape, aux, and tuner inputs; tape outputs; switched AC outlets. A/B speaker switching; system remote control. S/N 86 dB MM, 107 dB line. Black front panel. 17½ x 4¾ x 11½ in; 14 lb ..... \$399

## DGX

**DDA-1 100-W/ch Integrated Amplifier**  
2 channels. 100 W x 2 into 8 ohms or 140 x 2 into 4 ohms, both from 20 Hz-20 kHz with 0.025% THD. Coaxial and optical digital inputs. Digital signal processing; dual-mono design; phase and amplitude correction for DGX DDL-1 speakers. S/N 86 dB analog; ch sep 92 dB; damping factor 150 from 20 Hz-20 kHz. 16½ x 4¾ x 14½ in ..... \$995

## DPA DIGITAL

**Renaissance 33-W/ch Integrated Amplifier**  
2 channels. 33 W x 2. 4 line-level inputs; one MM phono input; headphone outputs; tape loop. Class A output stage; high-gain bandwidth topology; RF filtering. Bass-boost and treble-cut electronic controls ..... \$1,095

## DUAL

**CV5670 120-W/ch Integrated Amplifier**  
2 channels. 120 W x 2 into 8 ohms with 0.01% THD. Gold-plated inputs for phono and CD. Class A design; toroidal-core transformer. FR 6 Hz-95 kHz ..... \$525

## EDGE

**Sia-1 70-W/ch Integrated Amplifier**  
2 channels. 70 W x 2 into 8 ohms from 2 Hz-100 kHz with 0.002% THD. Toroidal power transformer; output-stage power transistors. Dynamic headroom 3 dB. 3-yr warranty. 51 lb ..... \$3,495

## JEFF ROWLAND DESIGN GROUP

**Concra 100-W/ch Integrated Amplifier**  
2 channels. 100 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.008% THD. 3 XLR inputs; 3 RCA inputs; 1 XLR line-level output; RCA line-level output; 1 tape input; 1 tape output. Tape monitor; volume-level display; remote control. Slew rate 30 V/µs; dynamic headroom 2 dB. 5-yr warranty. 17½ x 5¼ x 14½ in; 50 lb ..... \$5,600

## JOLIDA

*The following feature Class AB1 operation. Preamp and tape outputs are optional.*

**JD801A 70-W/ch Tube Integrated Amplifier**  
2 channels. 70 W x 2 into 8 ohms from 29 Hz-25 kHz with 1% THD. 3 inputs. S/N 70 dB. Black chassis with gold-plated or steel faceplate. 18¼ x 8½ x 13½ in; 47 lb ..... \$1,400

**JD502B 60-W/ch Tube Integrated Amplifier**  
2 channels. 60 W x 2 into 8 ohms from 20 Hz-75 kHz with 1% THD. 4 inputs. Balance control. S/N 80 dB. Black chassis with gold faceplate. 17 x 7½ x 15 in; 39 lb ..... \$1,095  
Tube cage for above ..... \$58

**JD302B 50-W/ch Tube Integrated Amplifier**  
2 channels. 50 W x 2 into 8 ohms from 19 Hz-100 kHz with 1% THD. 4 inputs. Balance control. S/N 80 dB. Black chassis with gold faceplate. 17 x 7½ x 15 in; 39 lb ..... \$925  
Tube cage for above ..... \$58

**JD202A 40-W/ch Tube Integrated Amplifier**  
2 channels. 40 W x 2 into 8 ohms from 30 Hz-75 kHz with 1.5% THD. 4 inputs. S/N 80 dB. Black with silver faceplate. 12½ x 8¼ x 12 in; 28 lb ..... \$695

**JD102A 20-W/ch Tube Integrated Amplifier**  
2 channels. 20 W x 2 into 8 ohms from 27 Hz-35 kHz

# Integrated Amplifiers

with 1.75% THD. 4 inputs. S/N 70 dB. Black chassis with gold faceplate. 12 x 5 x 8 in; 18 lb .....\$550

## KRELL

### KAV-500i 250-W/ch Integrated Amplifier

2 channels. 250 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.25% THD. XLR input; 3 RCA inputs; tape loop; RCA preamp outputs. S/N 103 dB. 5-yr, parts-and-labor warranty. 19 x 6 $\frac{3}{4}$  x 15 $\frac{3}{4}$  in; 43 lb .....\$4,500

### KAV-300i 150-W/ch Integrated Amplifier

2 channels. 150 W x 2 into 8 ohms or 300 x 2 into 4 ohms. 3 line-level inputs; tape loop; line-level output. Class AB. Remote control. 5-yr warranty. 19 x 3 $\frac{3}{4}$  x 15 $\frac{3}{4}$  in; 25 lb .....\$2,350

## LEGACY AUDIO

### Impulse 200-W/ch Integrated Amplifier

2 channels. 200 W x 2 into 8 ohms or 350 W x 2 into 4 ohms, both from 1 Hz-100 kHz. 10 inputs; 4 outputs. Class A/AB design. Remote volume control; LED display; bass-contour control. S/N 115 dB; ch sep 100 dB; slew rate 50 V/ $\mu$ s; damping factor 200; dynamic headroom 2.5 dB. 5-yr warranty. 17 x 5 $\frac{1}{2}$  x 15 in; 50 lb .....\$3,150

## LINN

### Classik 75-W/ch Integrated Amplifier

2 channels. 75 W x 2 rms into 4 ohms. 4 inputs; record output; external-amp output. Built-in CD player. Bass and treble controls. 5-yr parts, 1-yr labor warranty .....\$1,700

### Majik-IP 33-W/ch Integrated Amplifier

2 channels. 33 W x 2 into 8 ohms or 66 x 2 into 4 ohms. 5 line-level inputs; switchable MM/MC phono input; 4 output pairs; headphone jack. Microprocessor-controlled switching. Add-on modules are available for FM tuning and multroom control .....\$1,345  
**Majik-IL.** As above without phono input; 6 line-level inputs .....\$1,195

## LUXMAN

### L-500 50-W/ch Integrated Amplifier

2 channels. 50 W x 2 into 8 ohms, 100 W x 2 into 4 ohms, or 200 W x 2 into 2 ohms. Gold-plated connectors. Gold-plated input-switching relays; direct-coupled pure-complementary amplification circuit; DC configuration via Duo Beta circuit; antiresonance construction; Star circuitry. Tone compensator; 32-position volume control .....\$5,000

### L-507 100-W/ch Tube Integrated Amplifier

2 channels. 100 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.04% THD. 4 RCA inputs; 2 XLR inputs; 2 outputs; 2 unswitched AC outlets. Power-level meters; record-out selector; A/B speaker selector; tone control; balance control; line-straight switch; loudness control; phase switch; remote control. Champagne gold. 3-yr warranty. 18 $\frac{1}{2}$  x 7 x 17 $\frac{1}{2}$  in; 48 lb .....\$3,600

### L-507s 100-W/ch Integrated Amplifier

2 channels. 100 W x 2 into 8 ohms. CD input; MC and MM phono inputs; line-level input; tape input; XLR input; tape output; line-level output. Tone and loudness controls. Champagne gold. 3-yr warranty .....\$3,600

### SQ-38 30-W/ch Tube Integrated Amplifier

2 channels. 30 W x 2 rms into 6 ohms from 20 Hz-20 kHz. CD input; MM phono input; tape monitor. EL34 output tubes in push-pull configuration; tube-control circuit using 12AU7 vacuum tubes. Champagne gold with gray cover. 3-yr warranty. 17 x 8 $\frac{1}{4}$  x 15 $\frac{1}{4}$  in; 55 lb .....\$3,500

### SQ-38s 30-W/ch Tube Integrated Amplifier

2 channels. 30 W x 2 into 6 ohms. FR 20 Hz-20 kHz  $\pm$ 0.5 dB; THD 0.5%. 3-yr warranty .....\$3,500

### L-505 70-W/ch Integrated Amplifier

2 channels. 70 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.04% THD. 4 RCA inputs; 4 XLR inputs; 2 unswitched AC outlets; 2 outputs. Infrasonic filter. Power-level meters; record-out selector; A/B speaker selector; line-straight switch; loudness control; remote control. Champagne gold. 3-yr warranty. 18 $\frac{1}{2}$  x 7 x 17 $\frac{1}{2}$  in; 46 lb .....\$2,600

### L-505s 70-W/ch Integrated Amplifier

2 channels. 70 W x 2 into 8 ohms. CD input; MC and MM phono inputs; line-level input; tape input; XLR input; tape output; line-level output. Tone and loudness controls. Champagne gold. 3-yr warranty .....\$2,600

### A-383 100-W/ch Integrated Amplifier

2 channels. 100 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.04% THD or 330 x 2 into 2 ohms. 3 video inputs; switchable MM/MC phono input; gold-plated CD and phono inputs; system bus connection; outputs for 2 speaker pairs. All-stage symmetrical push-pull circuit; video-input buffer amplifier; line-phase sensor; Star circuitry. Multi-room capability; line-straight switch; record-out selector; bass, treble, and balance controls; loudness switch; A/B speaker selector; remote control. FR 20 Hz-20 kHz  $\pm$ 0.5 dB phono, 10 Hz-70 kHz  $\pm$ 0.5, -1.5 dB line; S/N 77 dBA MM, 56 dBA MC, 100 dBA line .....\$1,295

### A-384 80-W/ch Tube Integrated Amplifier

2 channels. 80 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.05% THD or 230 x 2 into 4 ohms. Gold-plated input terminals for CD and phono. 12SU7 triode tube; metal chassis and front panel; line-phase sensor; Duo-Beta circuitry. Synchro CD-to-tape dubbing; system dimmer; system remote control. FR 20 Hz-20 kHz  $\pm$ 0.5 dB phono, 10 Hz-70 kHz  $\pm$ 0.5, -1.5 dB line; S/N 82 dBA MM, 62 dBA MC, 100 dBA line. 17 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 15 in; 22 lb .....\$995

### A-373 80-W/ch Integrated Amplifier

2 channels. 80 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.05% THD or 170 x 2 into 4 ohms. 3 video inputs; RCA input; system bus connection; gold-plated CD and phono inputs. Video-input buffer amplifier; motor-driven volume control; discrete power-output stages; line-phase sensor; Star circuitry. Record-out selector; A/B speaker selector; line-straight switch; bass, treble, and balance controls; loudness switch; remote control. FR 20 Hz-20 kHz  $\pm$ 0.5 dB phono, 10 Hz-70 kHz  $\pm$ 0.5, -1.5 dB line; S/N 82 dBA MM, 62 dBA MC, 100 dBA line .....\$795

### A-353 60-W/ch Integrated Amplifier

2 channels. 60 W x 2 rms into 8 ohms from 20 Hz-

20 kHz with 0.05% THD or 125 x 2 into 4 ohms. Switchable MM/MC phono input; system bus connection; outputs for 2 speaker pairs; gold-plated CD and phono inputs. Discrete power-output stages; motor-driven volume control; line-phase sensor; Star circuitry. Line-straight switch; record-out selector; A/B speaker selector; bass, treble, and balance controls; loudness switch; remote control. FR 20 Hz-20 kHz  $\pm$ 0.5 dB phono, 10 Hz-70 kHz  $\pm$ 0.5, -1.5 dB line; S/N 82 dBA MM, 62 dBA MC, 100 dBA line .....\$595

### A-331 50-W/ch Integrated Amplifier

2 channels. 60 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.05% THD or 115 W x 2 into 4 ohms. 3 video and 3 audio inputs; switchable MM/MC phono inputs. Discrete power-output stages; Star circuitry. A/B speaker selector. FR 20 Hz-20 kHz  $\pm$ 0.5 dB phono, 10 Hz-60 kHz  $\pm$ 0.5, -1.5 dB line; S/N 82 dBA phono, 97 dBA line. 17 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 15 in; 20 lb .....\$449

### A-312 40-W/ch Integrated Amplifier

2 channels. 40 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.05% THD or 85 W x 2 into 4 ohms. Switchable phono inputs. Discrete power-output stages; Star circuitry. A/B speaker selector. FR 20 Hz-20 kHz  $\pm$ 0.5 dB phono, 10 Hz-60 kHz  $\pm$ 0.5, -1.5 dB line; S/N 82 dBA phono, 97 dBA line. 17 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 15 in; 18 lb .....\$349

## MADISON FIELDING

### DSA 630 30-W/ch Integrated Multizone Amplifier

2 channels x 3 zones. 30 W x 6 into 8 ohms. One input; tape output. Class AB output operation; three 3-band EQs. Three motor-driven volume controls. FR 20 Hz-20 kHz; THD 0.04%; slew rate 30 V/ $\mu$ s; dynamic headroom 1.2 dB. 25 lb .....\$949

### DSA 450 50-W/ch Integrated Multizone Amplifier

2 channels x 2 zones. 50 W x 4 into 8 ohms. One input; tape output. Class AB output operation; two 3-band EQs. Two motor-driven volume controls. FR 20 Hz-20 kHz; THD 0.04%; slew rate 30 V/ $\mu$ s; dynamic headroom 1.2 dB. 20 lb .....\$799

## MARANTZ

### PM-17 60-W/ch Integrated Amplifier

2 channels. 60 W x 2 into 8 ohms or 100 x 2 into 4 ohms, both from 20 Hz-20 kHz with 0.01% THD. 3 audio inputs; CD input; phono input; 2 tape loops; 4-way binding posts; 3 switched outlets. Temperature gauge. S/N 90 dB phono, 110 dB line; ch sep 74 dB; damping factor 100; dynamic headroom 1.5 dB. Black. 3-yr warranty. 18 x 4 $\frac{1}{4}$  x 17 $\frac{1}{4}$  in; 33 lb .....\$1,200



Legacy Audio Impulse

# Integrated Amplifiers

## PM-68 95-W/ch Integrated Amplifier

2 channels. 95 W x 2 rms into 8 ohms with 0.07% THD or 130 x 2 rms into 4 ohms with 0.3% THD, all from 20 Hz-20 kHz. 7 audio inputs; external-processor loop; dual speaker terminals with banana jacks; headphone jack. All-discrete dual power-amp output stage construction with separate heat sinks; 8 high-current power transistors; motor-driven volume control. Bidirectional tape dubbing control; tone, balance, tape selector, and processor loop bypass switch; RC-5 system remote control. S/N 85 dBA phono, 88 dBA line; ch sep 80 dB at 1 kHz; damping factor 150. 3-yr parts-and-labor warranty. 17 1/4 x 6 1/4 x 14 1/4 in; 27 lb .....\$500

## PM-57 50-W/ch Integrated Amplifier

2 channels. 50 W x 2 rms into 8 ohms or 70 x 2 rms into 4 ohms, both from 20 Hz-20 kHz with 0.08% THD. 6 line-level inputs; 2 tape outputs; outputs for 2 speaker pairs. Discrete power-output stages; motor-driven volume control. System remote control jacks; independent control of tape output; loudness control; tone bypass switch; infrared remote control. S/N 80 dB phono, 85 dB line; ch sep 80 dB at 1,000 Hz. 3-yr warranty. 17 1/4 x 4 x 13 1/2 in; 12 lb .....\$300

## MBL

### Model 7005 50-W/ch Integrated Amplifier

2 channels. 50 W x 2 into 8 ohms or 80 x 2 into 4 ohms. 4 RCA inputs; 2-binding-post output pairs; XLR input; CD-direct input; MC/MM phono input; 2 tape outputs. Remote control. FR 0 Hz-90 kHz; THD 0.0035%; S/N 112 dB SPL/W/m; slew rate 15 V/μs; damping factor 300. 18 x 6 x 15 in; 40 lb .....\$4,290

## MCINTOSH

### MA6800 150-W/ch Integrated Amplifier

2 channels. 150 W x 2 into 2, 4, or 8 ohms. 8 speaker-level inputs; 3 outputs; signal-processor loop; 6 switched and 1 unswitched AC outlets. 2 output-level meters; remote control. THD 0.005%; S/N 100 dB; dynamic headroom 1.8 dB. 3-yr warranty. 17 1/2 x 7 1/2 x 20 in; 70 lb .....\$5,000

## MISTRAL

### Integrated 50-W/ch Integrated Amplifier

2 channels. 50 W x 2 rms into 8 ohms. 5 inputs. Star circuitry; separate power supplies for input/output stages. Brushed aluminum. 17 x 2 1/2 x 13 in .....\$1,095

## MYRYAD

### MI-120 60-W/ch Integrated Amplifier

2 channels. 60 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.05% THD. CD input; video input; tuner input; aux input; 2 tape inputs; tape output; biwire outputs. Illuminated standby switch; illuminated input select-touch switches; headphone jacks; remote control. S/N 104 dB. 17 x 4 x 12 in; 19 lb .....\$999

## NAD

### S300 100-W/ch Integrated Amplifier

2 channels. 100 W x 2 into 8 ohms, 200 x 2 into 4 ohms or 300 x 2 into 2 ohms, all from 20 Hz-20 kHz with 0.07% THD. 5 line-level inputs; XLR input. Dual-mono design; separate power supplies for each channel. Remote control; tape monitor. S/N 96 dB; damping factor 110. Aluminum chassis with sand-blasted finish. 17 1/4 x 6 1/4 x 15 1/4 in; 42 lb .....\$2,199

### Model 317 80-W/ch Integrated Amplifier

2 channels. 80 W x 2 cont from 20 Hz-20 kHz with 0.03% THD or 240 x 1, all into 8 ohms. 6 line-level inputs; 2 tape loops; pre-out/main-in loop; gold-plated input and output jacks; 5-way binding posts. All discrete circuitry. Full-function system remote control. S/N 119 dB. 17 1/4 x 5 x 15 in; 27 lb .....\$699

## C340 50-W/ch Integrated Amplifier

2 channels. 50 W x 2 into 8 ohms or 4 ohms, both from 20 Hz-20 kHz with 0.03% THD. 7 line-level inputs; 2 tape monitors; pre-out/main-in loop. Independent sensing-circuit topology; non-invasive protection circuit; high-current design. Tone defeat; NAD Link; system remote control. S/N 104 dB; damping factor 60; dynamic headroom 3.5 dB. Gray. 17 1/4 x 4 1/4 x 11 1/2 in; 17 lb .....\$399

## NAIM

### NAIT-3R 30-W/ch Integrated Amplifier

2 channels. 30 W x 2 into 8 ohms. 5 line-level inputs. Electronic switching. Remote control. MM/MC phono input optional. 17 1/4 x 2 1/4 x 12 in .....\$1,600

NAIT-3. As above, no remote control .....\$1,200

## NAKAMICHI

### IA-1z 400-W Dolby Digital Integrated Amplifier

5 channels. Dolby Digital and Dolby Pro Logic modes. 80 W x 5 rms into 8 ohms from 20 Hz-20 kHz with 0.1% THD. 9 analog inputs; 3 coaxial/2 optical digital inputs. Harmonic Time Alignment amplifier topology. Programmable remote control; on-screen displays; multizone/multisource capabilities. S/N 95 dB; ch sep 70 dB at 1 kHz. Black brushed aluminum. 3-yr warranty. 17 x 6 1/4 x 15 1/2 in; 39 lb .....\$2,900

### IA-1zx 400-W Dolby Digital/DTS Integrated Amplifier

5 channels. Dolby Digital, DTS, and Dolby Pro Logic modes. 80 W x 5 rms into 8 ohms from 20 Hz-20 kHz with 0.1% THD. 9 analog inputs; 3 coaxial/2 fiber-optic digital inputs. Harmonic Time Alignment amp topology. On-screen display; multizone/multisource capability; programmable remote control. S/N 95 dB; ch sep 70 dB. 3-yr warranty. 17 x 6 1/4 x 15 1/2 in; 39 lb .....\$2,399

## NVA

*The following feature Class AB design and non-ferrous-material construction (except transformer). Finish is black anodized aluminum and plexiglass. Warranty is 3 years.*

### AP50 50-W/ch Integrated Amplifier

2 channels. 50 W x 2 rms into 8 ohms from 20 Hz-20 kHz. 6 line-level inputs; tape output. 17 x 3 1/2 x 13 in; 16 lb .....\$819

Phono stage .....\$120

### AP30 30-W/ch Integrated Amplifier

2 channels. 30 W x 2 rms into 8 ohms from 20 Hz-20 kHz. 6 line-level inputs; tape output. No adjustable circuit potentiometers. 17 x 3 1/2 x 13 in; 14 lb .....\$599

Phono stage .....\$120

### AP10 Personal 12-W/ch Integrated Amplifier

2 channels. 12 W x 2 rms into 8 ohms from 20 Hz-20 kHz. CD input; headphone output. 10 x 3 x 9 in; 5 lb .....\$349

### AP10H Headphone Integrated Amplifier

2 channels. CD input; headphone output. 10 x 3 x 9 in; 5 lb .....\$279

## ONIX

### OA 31L Mk2 60-W/ch Integrated Amplifier

2 channels. 60 W x 2. 6 line-level inputs; front-panel headphone jack; two sets of speaker out-

puts. Separate record and input selectors. 17 x 3 x 13 in .....\$1,095

OA 31C/M Mk2. As above with MC or MM phono stage .....\$1,295

OA 31LT Mk2. As OA 31L Mk2 but with bass/treble tone controls .....\$1,295

OA 31M Mk2. As OA 31L Mk2 but with MM phono stage .....\$1,295

OA 30 Mk2. As OA 31L Mk2 but 40 W x 2; no record selector .....\$795

OA 30C/M Mk2. As OA 30 Mk2 with MC or MM phono stage .....\$895

### OA 21S 50-W/ch Integrated Amplifier

2 channels. 50 W x 2. CD, tape, aux, and tuner inputs. 9 x 3 x 14 1/2 in .....\$795

MM or MC phono board for above .....\$100

## ONKYO

### Integra A-9911 90-W/ch Integrated Amplifier

2 channels. 90 W x 2 rms into 8 ohms or 283 x 2 max into 2 ohms. Discrete outputs; direct signal paths; shielded-block construction with 2-panel chassis base; motor-driven volume control. Remote control. FR 20 Hz-20 kHz; THD 0.008%; S/N 117 dB; damping factor 130. 18 x 6 1/4 x 16 1/4 in; 37 lb .....\$1,120

Integra A-9711. As above, 80 W x 2 rms into 8 ohms or 235 x 2 max into 2 ohms; damping factor 120; S/N 114 dB .....\$850

### Integra A-SV810PRO 325-W A/V Integrated Amplifier

5 channels. Dolby Pro Logic and 8 ambience modes. 85 W x 3 (front, center) + 35 x 2 (rear) into 8 ohms or 180 x 2 max into 3 ohms. 6 video inputs including 5 S-video inputs; 10 audio inputs; 5 video outputs including 3 S-video outputs; 5 audio outputs; line-level subwoofer output. Dual power transformers; motor-driven volume control. 10 sound-field presets; adjustable digital delay; record-out selector; mute switch; on-screen displays; programmable cursor key; fluorescent display; Onkyo RI-system remote-control compatibility; remote control. FR 20 Hz-20 kHz ±0.06 dB; THD 0.06%; S/N 105; damping factor 90. 18 x 6 1/4 x 16 1/2 in; 39 lb .....\$1,100

### A-9310 50-W/ch Integrated Amplifier

2 channels. 50 W x 2 rms into 8 ohms or 110 x 2 max into 2 ohms. 6 audio inputs; 5-way binding posts. Discrete output stage; source-direct mode; line-level subwoofer output. Onkyo RI-system compatibility; remote control. FR 20 Hz-20 kHz; THD 0.06%; S/N 102 dB; damping factor 150 into 8 ohms. 18 x 4 1/4 x 13 in .....\$365

## OPTIMUS BY RADIO SHACK

### SA-155 1.8-W/ch Integrated Amplifier

2 channels. 1.8 W x 2. 4 audio inputs; tape output; headphone jack. Compact design; switchable magnetic/ceramic phono preamp. Rotary volume, tone, and balance controls; LED power indicator; mono/stereo switch. Black. 9 1/2 x 2 1/4 x 6 1/2 in .....\$60

## PARASOUND

### P/HA-150 Headphone Integrated Amplifier

2 channels. 2 Inputs; 2 phono outputs. Class A design. Special-design volume control; mute switch. 9 1/4 x 1 1/4 x 7 in .....\$290

## PERREAUX TECHNOLOGIES

### Model 200i Professional 200-W/ch Integrated Amplifier

2 channels. 200 W x 2 into 8 ohms from 20 Hz-20 kHz with 0.02% THD. 6 line-level input; dual direct input; dual parallel power amp input/output; 2 tape outputs; dual preamp output; five-way output terminals. Class A/AB design; biamping, triamping, and signal-processor looping capability; 3 separate power supplies. Remote balance, volume, and mute control. Black. 38 lb .....\$2,495

Prices given are the suggested retail prices. Dealer prices may vary.

# Integrated Amplifiers

**Model 200i Classic.** As above with specially-polished aluminum, silver chrome-, black chrome-, or 24k gold-plated front panel .....\$2,895

## POWER MODULES

### Virtuoso 30-W/ch Integrated Amplifier

2 channels. 30 W x 2 rms into 8 ohms or 60 x 2 rms into 4 ohms, both from 1 Hz-100 kHz. 3 RCA inputs; 2 XLR outputs. Class A operation. Remote control; 2 VU meters. Black. 5-yr warranty. 17 x 4 1/2 x 19 in; 60 lb .....\$3,995

## REVOX

### E-450/Exception 200-W/ch Integrated Amplifier

2 channels. 200 W x 2 rms into 4 ohms from 20 Hz-20 kHz with 1% THD. 8 line-level inputs; MM/MC phono input; XLR CD input; 3 preamp outputs. Dual-mono Class AB design. Multiroom capability. S/N 105 dB; ch sep 73 dB; slew rate 2 V/μs; damping factor 200; dynamic headroom 2 dB. Black/silver. 19 x 5 x 16 in; 39 lb .....\$4,900

### S25 Elegance 60-W/ch Integrated Amplifier

2 channels. 60 W x 2 into 4 ohms from 20 Hz-30 kHz with 0.015% THD. 6 line-level inputs; MM phono input; tape monitor output. High-current Class AB circuitry; microprocessor prepared for S20 AVP surround processor; headphone amp with balance controls. S28 remote control optional. S/N 90 dB; ch sep 90 dB at 1,000 Hz; slew rate 60 V/μs; dynamic headroom 1.8 dB. Black or silver brushed aluminum. 17 x 3 x 11 in; 15 lb .....\$1,195

### S20 AVP Elegance. 3 channels. Dolby Digital and Dolby Pro Logic processor/amp designed to integrate with S25 integrated amp for a total of 5 channels. 3 video and 3 audio outputs. High-current amp design; 3 amps on 1 chassis (50 W center, 35 W x 2 surround); upgradeable to DTS. Remote controlled generator setup for balancing surround channels. THD 0.01%; S/N 90 dB. 17 x 3 x 11 in; 19 lb .....\$2,200

2 channels. 100 W x 2 cont into 8 ohms. 6 RCA inputs; pre-out/main-in and processor loop; blind-ing post output. Dual-zone capability; remote control. FR 4 Hz-100 kHz +1, -4 dB; THD 0.03%; S/N 97 dB; damping factor 400. 17% x 4% x 13 1/4 in .....\$800

## ROTEL

### RA-985BX 100-W/ch Integrated Amplifier

2 channels. 100 W x 2 cont into 8 ohms. 6 RCA inputs; pre-out/main-in and processor loop; blind-ing post output. Dual-zone capability; remote control. FR 4 Hz-100 kHz +1, -4 dB; THD 0.03%; S/N 97 dB; damping factor 400. 17% x 4% x 13 1/4 in .....\$800

### RA 971 60-W/ch Integrated Amplifier

2 channels. 60 W x 2 cont into 8 ohms. 6 inputs, including 2 tape loops; headphone jack. Listen/record selector; tone defeat. FR 10 Hz-100 kHz +1, -4 dB; THD 0.03%; S/N 95 dB; damping factor 150. 17% x 3% x 12 in .....\$500

### RA 931 30-W/ch Integrated Amplifier

2 channels. 30 W x 2 cont into 8 ohms. 5 inputs including phono and tape loop; headphone jack. Tone defeat. FR 10 Hz-40 kHz ±1 dB; THD 0.03%; S/N 100 dB line; damping factor 180. 17% x 3% x 12 in .....\$300

## RUSSOUND

### IA-48 496-W A/V Integrated Amplifier

8 channels. 45 W x 8 into 8 ohms or 62 x 8 into 4 ohms. Line-level bus; stereo/mono input-channel; 12-V DC output; external connection. Toroidal high-current power supply. Multizone capable. Bass, treble, and volume controls for each of four stereo amps. FR 20 Hz-20 kHz; THD 0.06%. Black extrusion. 17 x 15 1/4 x 4 in; 28 lb .....\$1,195

### AP-48 448-W Integrated Amplifier

8 channels. 56 W x 8 into 8 ohms or 68 x 2 into 4 ohms. Line-level bus; 12-V DC output. Toroidal high-current power supply. FR 20 Hz-20 kHz; THD 0.06%. 17 x 15 1/4 x 4 in; 28 lb .....\$900

## SIGNATURE TECHNOLOGIES

### SRI-8 65-W/ch Tube Integrated Amplifier

2 channels. 65 W x 2 rms into 8 ohms from 30 Hz-21 kHz with 0.03% THD. 6 line-level inputs; pre-out/main-in loop; tape output; gold-plated connectors. Class A design; discrete FET input drivers. Mute switch; mono/stereo switch; separate listening and recording switch; potentiometers with self extinguishing LED. S/N 100 dB; dynamic headroom 1.2 dB. 19 x 8 x 15 in .....\$2,995

## SONY

### TAF808ES 100-W/ch Integrated Amplifier

2 channels. 100 W x 2 into 8 ohms or 130 x 2 into 4 ohms. 6 line-level inputs; phono input; line-level output; signal-processor loop; gold-plated connectors. Class A MOSFET voltage stage; parallel push-pull complementary output stage with 4 MOSFETS per channel; spontaneous twin-drive power supply; discrete output transistors; 20-mm-thick shaved-aluminum-block heat sinks; OFC circuit-board traces; top and bottom plates made of calcium carbonate reinforced with glass fiber; motor-driven input selector; moving-coil phono input; infrasonic filter. Recording-monitor, source-direct; mono/stereo, 20-dB mute, and A/B speaker switches; remote control with controls for Sony sources. FR 2 Hz-200 kHz -3 dB line; S/N 93 dB MM, 79 dB MC, 105 dB line; damping factor 100 into 8 ohms at 1 kHz. 5-yr-limited warranty. 17 x 6 1/4 x 17 1/4 in; 52 lb .....\$1,700

### TAF707ES 90-W/ch Integrated Amplifier

2 channels. 90 W x 2 into 8 ohms or 120 x 2 into 4 ohms. 6 line-level inputs; phono input; line-level output; signal-processor loop. Class A MOSFET voltage stage; parallel push-pull output stage with 4 MOSFETS per channel; spontaneous twin-drive power supply; discrete output transistors; calcium-carbonate chassis reinforced with glass fiber; motor-driven input selector; MC phono input; infrasonic filter; die-cast aluminum heat sinks; aluminum front panel. Recording-monitor, source-direct, mono/stereo, 20-dB mute, and A/B speaker switches; remote control with controls for Sony sources. FR 2 Hz-200 kHz -3 dB line; S/N 93 dB MM, 77 dB MC, 105 dB line; damping factor 100. 5-yr-limited warranty. 17 x 6 1/2 x 17 1/2 in; 47 lb .....\$1,200

## SUTHERLAND

### CA-800 100-W/ch Integrated Amplifier

2 channels. 100 W x 2 rms into 8 ohms. 4 RCA inputs; XLR input. Mute switch. 19 x 7 1/2 x 17 in; 66 lb .....\$8,220  
Phono Input for the above .....\$885  
Universal remote control for above .....\$100

## TEAC

### A-BX10B 100-W/ch Integrated Amplifier

2 channels. 100 W x 2 rms into 8 ohms with 0.04% THD or 160 x 2 into 4 ohms with 0.06% THD, both from 20 Hz-20 kHz. 4 line-level inputs; XLR input; binding-post outputs. Balanced circuit configura-

tion to cancel out power-supply noise and hum fields; power supplies with shielded toroidal power transformers and parallel-connected output-stage power transistors. FR 20 Hz-40 kHz -1 dB line; S/N 106 dB. 17% x 4 1/2 x 15 1/4 in .....\$2,700

## TUBE TECHNOLOGY

### Synergy PPS 150-W/ch Tube Integrated Amplifier

2 channels. 150 W x 2 rms into 8 ohms from 12 Hz-55 kHz with 1% THD. 5 RCA inputs; record output. Ultralinear tube amp with 6 EL-84 pentode outputs per channel. Remote on/off, volume, and standby control. 18 1/2 x 6 x 18 1/2 in; 105 lb .....\$11,000

### Unisis/Unisis Phono 35-W/ch Tube Integrated Amplifier

2 channels. 35 W x 2 into 8 ohms from 12 Hz-58 kHz with 1% THD. CD, tape, tuner, and 2 aux inputs; record output. Push-pull ultralinear tube amp with EL-84 pentode outputs. Black; available in silver. 14 x 6 x 11 in .....\$3,600

### Syrinx Stereo 45-W/ch Tube Integrated Amplifier

2 channels. 45 W x 2 or 90 x 1, both rms into 8 ohms from 16 Hz-55 kHz with 1% THD. CD, tape, tuner, and 2 aux inputs. Auto bias tube amp with EL-34 pentode tubes. Remote volume and on/off control. S/N 85 dB. Black; available in silver. 14 x 3 1/2 x 10 1/2 in .....\$2,250

## WOODSIDE

### ISA230 30-W/ch Tube Integrated Amplifier

2 channels. 30 W x 2 into 8 ohms. 4 line-level inputs; tape monitor; MM phono input. Four 5881, two ECC83, and two ECC81 vacuum tubes. S/N 85 dB line, 75 dB phono. 17 x 3 1/2 x 14 in .....\$2,195  
As above without MM phono stage .....\$1,895

## WRIGHT

### Model 16-1 8-W/ch Tube Integrated Amplifier

2 channels. 8 W x 2 into 8 ohms from 25 Hz-23 kHz. 2 line-level inputs; RCA output. Class A operation; features 6L6WG/5881 output tube per channel, operated in partial triode mode; no circuit boards; gold-plated individually-mounted input jacks; choke-filtered power supply. Bass and treble controls. Replacement tube set optional. Black-anodized nonmagnetic chassis with dark-oak side panels. 12 1/2 x 7 x 9 1/2 in .....\$750

## YAMAHA

### DSP-A1 620-W Dolby Digital/DTS Integrated Amplifier

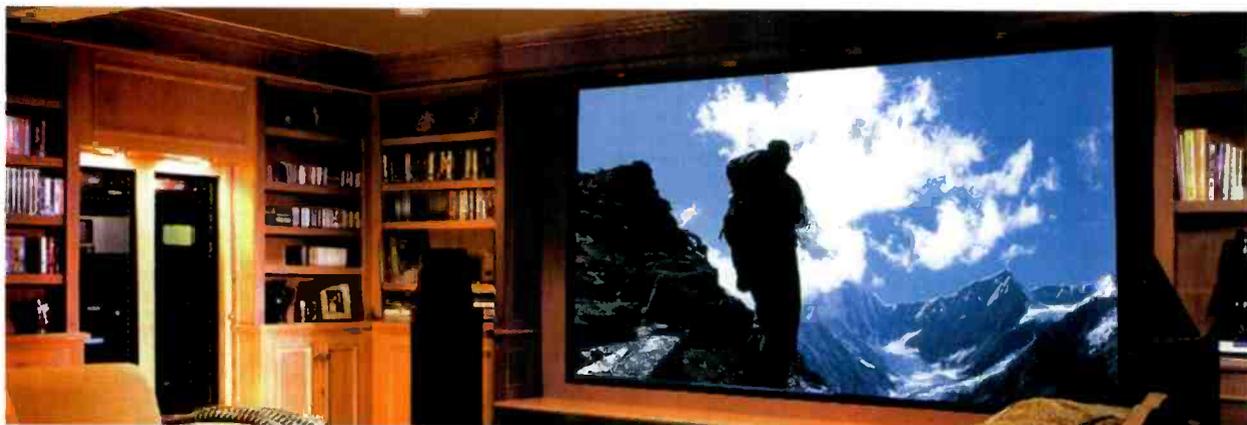
7 channels. Dolby Digital, DTS, 24 Cinema, and 18 Music modes. 110 W x 3 (front, center) + 110 x 2 (rear surround) both with 0.015% THD + 35 x 2 (front surround) with 0.05% THD, all rms into 8 ohms, from 20 Hz-20 kHz. 6-channel input; 1 AC-3 RF, 3 coaxial, and 5 optical digital inputs; 5 audio inputs; 6 video inputs including S-video; subwoofer output. 128X oversampling 24-bit A/D converter; 8X oversampling 24-bit D/A converter. Signal-sensing auto selection for Dolby Digital, DTS, or PCM; EQ control; test-tone generator; remote control with 13 programmable 7-step macros. S/N 96 dB; ch sep 70 dB at 1 kHz; damping factor 200. Black. 17 1/4 x 7 1/2 x 18 1/4 in; 63 lb .....\$2,599  
DSP-A1GL. As above, gold with wood sides. 18 1/2 x 7 1/2 x 18 1/4 in .....\$2,799

### AX-592 100-W/ch Integrated Amplifier

2 channels. 100 W x 2 rms into 8 ohms from 20 Hz-20 kHz with 0.015% THD. 6 audio inputs; MM/MC phono input; 2 tape outputs; pre-out/main-in loop; 2 switched AC outlets. Input/output direct symmetrical design; high-current low-impedance drive capability; discrete power amp. CD direct switch; record-out selector; pure direct switch; loudness control; Yamaha system remote control. S/N 92 dB phono, 110 dB line; damping factor 320 from 20 Hz-20 kHz; dynamic headroom 1.4 dB. Black. 17% x 6 x 15 1/2 in; 23 lb .....\$499

All the information in these listings is provided by the manufacturers. If you want to know more, see page 233 for a directory of mail addresses, phone numbers, and Web addresses.

# Pass the Popcorn. Pass the Soda.

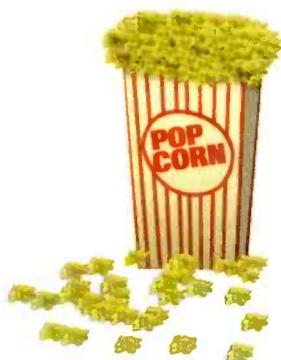


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# Signal Processors

## *The tools for fine-tuning your system's sound*

"Signal processors" is a catchall category made up of all of those black boxes that in some way manipulate the signal beyond the requirements of the basic audio chain. To be reproduced with ideal fidelity, a recording should be played back with the least possible amount of processing. The signal ought to be extracted from the CD, cassette, or DVD and then channeled through the preamp to the amplifier and on to the speakers with nary a tone-control knob turned or bass-boost button pushed. But few audio systems or listening rooms approach ideal transparency — nearly all of them "color" the signal in some way. To compensate, a variety of devices can help improve — sometimes dramatically — the faithfulness with which your system reproduces both movie soundtracks and music.

**Surround-sound processors** let you upgrade to surround sound without having to replace your existing preamp or receiver (assuming that it has the right connections for an outboard processor). Most processors decode both Dolby Pro Logic and Dolby Digital, and some can handle DTS, too. Many also throw in various DSP modes — Concert Hall, Church, or Jazz Club, for instance — like those usually found in A/V receivers. Surround processors also tend to have a greater variety of inputs and outputs than most receivers.

A subcategory, the **virtual surround processor**, uses crosstalk cancellation and other techniques to give a surround-sound effect from just two speakers.

**Graphic and parametric equalizers** are more elaborate versions of bass and treble tone controls. A graphic equalizer divides the audio spectrum into three or more fixed frequency bands, each of which can be boosted or cut independently. The position of the slider controls for the bands provides a rough graphical representation of the selected response curve. A parametric equalizer usually has only three bands, but the user can select the frequency ranges they cover and the slopes of the filters. As with tone controls, using an equalizer is best avoided unless absolutely necessary. But when an equalizer is adjusted with the help of a pink-noise generator, it can be a relatively inexpensive way of compensating for acoustic

problems that arise from equipment flaws or from a room's layout, construction, or furnishings.

**Room-correction systems** based on digital signal processing (DSP) are, in general, much more expensive than equalizers, but they tend to do a better job of solving room problems without adding errors of their own. Typically, a dealer or technician takes measurements of your listening space and then uses a software program to calculate the room's acoustics and create a customized equalization algorithm, which is then fed into a processor connected to your system.

**Jitter-reduction devices** are of interest mainly to those with super-sensitive, ultra-high-end systems that use a separate CD transport and digital-to-analog (D/A) converter. If a signal isn't converted using exactly the same timebase reference as when it was created, errors are introduced that can result in noise, although it will be inaudible in any normal audio application. Jitter-reduction devices are meant to compensate for this noise.

**Phono processors** use noise-reduction circuitry to make LP surface noise less audible. These are especially useful if you have old records, particularly 78s, with lots of crackles, hiss, and pops. Some processors also include filters for turntable rumble.

**Active crossovers**, inserted between the amplifier and the speakers, allow you to amplify each driver separately. Two-way speakers, for instance, would be biamplified, while three-ways would be triamplified.

Most active crossovers also let you adjust the crossover frequencies between the drivers, although some manufacturers preset these points, based on your speaker model.

Other kinds of processors provide dynamic-range compression to maintain the same volume level for different sources, "bass restoration" to beef up the impact of low bass, ambience restoration to add theater-like reverberation to soundtracks, headphone surround sound, or independent subwoofer control. The higher resolution and greater flexibility of digital audio technology suggest that the future has an even greater variety of processing devices in store.

— Michael Gaughn



**ADCOM GDD-1 DOLBY DIGITAL PROCESSOR**

# Signal Processors

## ACCUPHASE

### DG-28 64-Band Digital Graphic EQ

Center frequencies in 1/2-oct steps from 16 Hz-22.4 kHz. 1 fiber-optic and 1 coaxial digital input/output. Fully digital circuitry with input/output datapath at 24 and 48 bits for internal processing; 4 DSP chips; 2 filters with 64 cells per channel; proprietary algorithms for linking and controlling filter operation; jitter-free circuit. EQ, environmental, and analyzer modes; digital tone generator; remote control. Includes mic, mic cable, and mic holder. 18 1/2 x 6 x 15 1/4 in; 29 lb ..... \$8,200  
**AO-U1.** Analog RCA output ..... \$1,700  
**AO-B1.** Analog XLR output ..... \$795  
**AO-B2.** Balanced-output board ..... \$795  
**AO-U2.** Line-output board ..... \$700  
**AI-B1.** Analog XLR input ..... \$595  
**AOI-U1.** Analog RCA input and output ..... \$595  
**DIO-PRO1.** AES/EBU digital input/output ..... \$595  
**AI-U1.** Analog RCA input ..... \$505  
**DI-OC1.** Coaxial digital input and output ..... \$420  
**DI-ST1.** ST optical digital input ..... \$420  
**DI-BNC1.** BNC coaxial digital input ..... \$350

### F-25 Active Crossover

5-way. 21 user-selectable crossover points. Unitized amps allow configuration from 2 to 4 channels; GIC filter circuits. THD 0.003%; S/N 100 dB. 19 x 7 x 15 in; 37 lb ..... \$6,800

## ACURUS

### ACT 3 Dolby Digital/DTS Processor

6 channels. Dolby Digital, DTS, Dolby Pro Logic, and MPEG modes. 4 A/V inputs; 4 audio inputs; 4 composite- and 2 S-video inputs; 8 coaxial and 3 optical inputs; 8 outputs. Class A output stage. Learning remote control. Upgradable hardware and software optional. 17 x 4 1/2 x 20 in; 20 lb ..... \$1,799

## ADCOM

### GDD-1 Dolby Digital Processor

6 channels. Dolby Digital decoding. 1 RF, 1 optical, and 2 coaxial inputs. Connects via DB-25 port to GSA-700 or RCA connectors to GTP-600 or GTP-550 preamplifier/tuner; dialog-enhancing circuit; adjustable dynamic range settings of 25, 50, 75, or 100%; 24 bit digital processing; 20 bit D/A & filter. Selectable center and surround delay; remote control. THD 0.02%; S/N 90 dB ..... \$800

### GSA-700 Surround Processor/Amplifier

3 channels. Dolby Pro Logic. 2 audio and 2 video inputs. Amp rated at 80 W x 1 (center) + 55 x 2 (surround); variable subwoofer output via remote control; Dolby Digital-ready via DB-25 port. Video switching; on-screen display; bass EQ for soundtracks. THD 0.05%; S/N 104 dB ..... \$800

## AMC

### AV81HTC-DD Dolby Digital Processor

6 channels. Dolby Digital, Dolby Pro Logic, and Stereo modes. 2 digital inputs; 8 audio inputs; 4 composite-video inputs, 1 output; 6 audio outputs. Remote control. Includes mic. .... \$1,399

### PRO7 Surround Processor/Amplifier

6 channels. Dolby Pro Logic, Stereo, and Concert Hall Modes. 5 line-level inputs; 6 line-level outputs; 2 record outputs; 1 center-speaker output; 2 surround-speaker outputs. Low-Level Compensation maintains Dolby Pro Logic soundfield at reduced listening levels; theater compensation EQ filter; Dolby Pro Logic decoding via Analog Devices SSM 2126 integrated circuit; Dolby Time Link for channel delay; 40-W center amp; 40-W surround amp; high/low-pass filter switchable at 80 Hz. Remote controlled master, center, surround, and subwoofer output levels; front-panel level indicators for center, surround, and subwoofer channels; auto sequential test-tone generator; 4/8-ohm compensation switch for surround speakers remote power; 3-way center-channel mode selector; mute switch. 17 x 3 1/2 x 13 in; 14 lb ..... \$550

## ARCAM

### Alpha 10AV Dolby Digital/DTS Processor

5 channels. Dolby Digital, DTS, and Dolby Pro Logic modes. 5 line-level inputs; 2 digital audio inputs; 2 optical inputs; 4 S-video, 1 component-, and 4 composite-video inputs; 5 line-level outputs; 2 tape loops. Preprogrammed/learning remote control. 17 x 15 x 4 1/2 in; 22 lb ..... \$3,099

## AUDIOCONTROL

### Bijou Home Theater THX EQ

Provides EQ for L/R/C front, L/R surround, and 2 subwoofer channels. L/R/C front controls 1/2-oct apart from 80-800 Hz; Subwoofer controls 1/2-oct apart from 22 1/2-80 Hz; surround controls from 100 Hz-6.3 kHz  $\pm$ 6-dB boost/cut. DB-25 multipin output connector for outboard Dolby Digital decoder. Security cover and rack mounts optional. THD 0.01%; S/N 109 dB. 5-yr warranty ..... \$995

### Rialto Home Theater EQ/Crossover

11 EQ bands for L/R front and center channels with center frequencies 1/2-oct apart from 160 Hz-16 kHz; 5 EQ bands with center frequencies 150 Hz-12 kHz for L/R surround channels; 7 EQ bands with center frequencies 1/2-oct apart from 25 Hz-100 Hz for stereo subwoofer channel. Switchable +12-dB gain stage with level control on all outputs; programmable 24-dB/oct Linkwitz-Riley crossover; programmable 10-dB/oct infrasonic filter. Switchable widened-soundstage mode for front L/R speakers. THD 0.008%; S/N 113 dB. 5-yr warranty ..... \$599

### C-131 30-Band Graphic EQ

Center frequencies 1/2-oct apart from 20 Hz-20 kHz;  $\pm$ 15-dB boost/cut. XLR and RCA inputs and outputs. 18-dB/oct infrasonic filter switchable at 15, 25, or 35 Hz. THD 0.002%; S/N 112 dB. 5-yr warranty ..... \$529

### C-101 Series III 10-Band Graphic EQ/Analyzer

Center frequencies at 32, 60, 120, 250, and 500 Hz; 1, 2, 4, 8, and 16 kHz;  $\pm$ 15-dB boost/cut. Tape loop. Real-time spectrum-analyzer; pink-noise generator; 18-dB/oct infrasonic filter at 20 Hz; switchable fast or slow display speed; switchable 2- or 4-dB display steps; display level control; auto mic/line switching; tape EQ switch. Includes lab-grade mic. THD 0.005%; S/N 120 dB. 5-yr warranty ..... \$459

### Richter Scale Series III 6-Band

#### Subwoofer EQ/Crossover

Center frequencies at 22.5, 31.5, 45, 63, 90, and 125 Hz;  $\pm$ 12-dB boost/cut. 2-channel crossover output; mono and inverted-mono low-pass outputs; gold-plated connectors. 24-dB/oct Linkwitz-Riley active crossover. Warble-tone analyzer; low-frequency level control; source/tape monitoring; 18-dB/oct infrasonic filter; rumble-reduction control. Includes lab-grade mic. THD 0.005%; S/N 120 dB. 5-yr warranty ..... \$349

### Phase Coupled Activator Series III

#### Bass-Restoration Unit

Restores original bass impact lost during production of most program sources and movie soundtracks. Line- and speaker-level inputs. 24-dB/oct Linkwitz-Riley active crossover; bass time-alignment circuit. Programmable Infrasonic filter. THD 0.005%; S/N 118 dB. 5-yr warranty ..... \$299

### Ten Series III 10-Band Graphic EQ

Center frequencies at 32, 60, 120, 250, and 500 Hz; 1, 2, 4, 8, and 16 kHz;  $\pm$ 15-dB boost/cut. Tape loop. 18-dB/oct infrasonic filter; EQ tape switch. THD 0.005%; S/N 120 dB. 5-yr warranty ..... \$219

### AEQ 26 6-Band EQ/Optimizer

Center frequencies at 45, 150, 300, and 700 Hz; 2.5, and 12 kHz;  $\pm$ 12-dB boost/cut. Designed for in-wall and bookshelf speakers. Programmable low-frequency filter. THD 0.005%; S/N 120 dB. 5-yr warranty ..... \$189

## AUDIO RESEARCH

### SDP1 Surround Sound Processor

3-channels. Can produce 5-channel matrix surround from conventional stereo signals. RCA and XLR inputs; RCA and XLR outputs (pass-through, left and right surround, center). Level control; adjustable delay. 3-yr warranty. 19 x 3 1/2 x 11 1/4 in; 11 lb ..... \$2,995

## AUDIOSOURCE

### SS Six Surround Processor/Amplifier

6 channels. Dolby Pro Logic, Matrix, Dolby 3 stereo, and Monitor modes; amp rated at 24 x 1 (center) + 24 x 1 (surround) or 24 x 2 (surround). Subwoofer output with crossover; line-level outputs for each channel; line-level input; tape input; unprocessed line-level output; tape-record output. 30-ms digital delay; LED level meters for front, center, and surround channels; remote control. S/N 90 dB. 2-yr warranty. 16 1/2 x 2 1/2 x 9 1/2 in; 9 lb ..... \$330

### EQ Fourteen 10-Band Graphic EQ/Analyzer

Center frequencies at 30, 60, 120, 240, and 500 Hz; 1, 2, 4, 8, and 16 kHz;  $\pm$ 12 dB boost/cut. 3 inputs including 2 tape. Rack-mount design. Pink-noise generator; spectrum analyzer with average-output-level display; subharmonic filter; tape-dubbing capability; input-level controls; LED-illuminated sliders. Includes calibrated mic. THD 0.015%; S/N 98 dB. 16 1/2 x 4 x 10 in; 10 lb ..... \$300

**EQ Eleven.** As above without pink-noise generator, mic, or rack-mount design. THD 0.03%; S/N 85 dB. 16 1/2 x 2 1/2 x 7 in ..... \$200

### SS Five Surround Processor/Amplifier

6 channels. Dolby Pro Logic, Matrix, and Hall modes; amp rated at 24 x 1 (center) + 24 x 1 (surround) or 24 x 2 (surround). Selectable normal/phantom center-channel modes; selectable 30/50-ms delay time; tape-monitor switch; test-tone generator; auto turn-on/off; remote control with master, center, and surround level controls. .... \$300

**SS 5001.** As above with 1 VS One center-channel speaker, 2 LS Ten surround speakers, interconnect cable, and 100-ft 18-gauge speaker cable. .... \$430

### EQ Eight/II 10-Band Graphic EQ

Center frequencies at 30, 60, 120, 240, and 500 Hz; 1, 2, 4, 8, and 16 kHz;  $\pm$ 12 dB boost/cut. 3 inputs including tape; 2 outputs including tape. Spectrum analyzer; LED-illuminated sliders. THD 0.03%; S/N 80 dB. 16 1/2 x 2 1/2 x 7 1/2 in; 5 lb ..... \$160

## BAG END

The following are speaker processors.

### ELF-1 Dual Integrator

Provides active EQ, filtering, and system protection. Digital parameter selection in real time via 90 DIP switches. 11 lb ..... \$2,680

### ELF-M2 Dual Integrator

2-channel high-pass output. Cut-off and high-pass frequencies internally adjusted via plug-in resistors; continuously variable protection threshold and gain; internal switch for stereo 2-way or mono 3-way operation. 9 lb ..... \$1,320

**ELF-M.** Simpler version of above ..... \$1,080

## BANG & OLUFSEN

### AV7000 Surround Processor/Amplifier

4 channels. Dolby Pro Logic; 45 W center-channel amp. Front, center, surround, and subwoofer outputs. Code-conversion processor for video sources or other brands; integrates with most Bang & Olufsen audio systems. Beolink remote control optional. THD 0.1%; S/N 86 dB. 16 1/2 x 3 x 12 1/4 in. .... \$2,000

## BRYSTON

### Model 10B Linkwitz/Riley Active Crossover

2- or 3-way. Crossover point selectable at 40, 50,



"Few products on the market can rightfully call themselves paragons – the highest possible achievement within current state-of-the-art technology. The DC-1 surround controller is such a product."

Ron Goldberg,  
*E-Town*, June 1997

"...the DC-1's sound quality was little short of stunning. No component I've heard can provide the depth of DSP ambience processing (and extraction), user-customization, and flexibility of the DC-1."

Daniel Kumin, *Video*,  
January 1998



"The DC-1 did a better job of serving both music and soundtracks than any surround processor I've experienced to date."

J. Gordon Holt,  
*Stereophile Guide to Home Theater*,  
Winter 1996

"The surround steering has the sort of drive-by-wire precision that even Ferrari can't match. The DC-1 is one of the nearest things the home entertainment industry has to being a classic."

*Home Entertainment*, April 1997

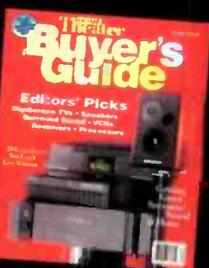


"The best digital surround processor to date at any price."

David Frangioni, *EQ*,  
May 1998

"The Lexicon DC-1 clearly competes with the finest and most costly processors available, despite its comparatively modest price...It has the best ergonomics and real-world features of any A/V preamp/processor I have encountered."

Anthony H. Cordesman, *Audio*, June 1998



"Looking for the most advanced digital processing you can buy? This [DC-1] is it, no contest."

*Home Theater Buyer's Guide*, Winter 1996-97

"The DC-1 produces staggering audio. It's easy to set up and it delivers every conceivable (and inconceivable) surround mode – both for home cinema and music. If you are a connoisseur of home cinema, then look no further."

Bob Tomalski, *Home Cinema Choice*,  
June 1997



# "EIGHT THUMBS UP!"

The DC-1 Digital Controller



**Lexicon**

A Harman International Company



# Signal Processors

60, 70, 80, 90, 100, 200, 250, 300, 400, or 500 Hz. 6-, 12-, or 18-dB/oct slopes; 24- or 36-dB/oct slopes with Linkwitz-Riley alignment in mono mode; Linkwitz/Riley filters; gold-plated switches; discrete amplification buffer and filter stages; independently selectable low-pass and high-pass points; switchable filter settings, roll-off frequencies, and slopes; level controls in 1-dB increments. S/N 90 dB. 20-yr parts-and-labor warranty. \$1,395  
**XLR** input/output version. \$1,650  
**Bryston 10B.** As above without Linkwitz/Riley circuit. \$1,295

## CAMELOT TECHNOLOGY

### The Dragon Pro2 Jitter Reducer

Designed for placement between CD Player or Transport and a D/A Converter. I<sup>2</sup>S, AES/EBU, coaxial, Toslink plastic fiber-optic, and ST glass fiber-optic inputs; I<sup>2</sup>S, AES/EBU, and coaxial outputs. Dual-PLL jitter reduction circuit with Crystal Semiconductor 8412 receiver IC and voltage-controlled crystal oscillator; selectable 18- or 20-bit resolution enhancement. Phase control; LED display for input, resolution, and sampling-frequency status. The Charm 1 pure DC battery power supply optional. 17 x 2 x 8 in.; 7 lb. \$1,495

### The Dragon Cinema Jitter Reducer

Toslink, coaxial, and I<sup>2</sup>S digital inputs; coaxial and I<sup>2</sup>S digital outputs. Dual-PLL jitter reduction circuit with Crystal Semiconductor 8414 receiver; compatible with 32-, 44-, 48-, and 96-kHz signals; onboard power supply. LED sampling-frequency indicator. 5-yr warranty. 8½ x 2 x 6 in.; 2 lb. \$499

## CELLO

### Audio Palette 6-Band Graphic EQ

Center frequencies at 15, 120, and 500 Hz; 2, 5, and 25 kHz. 1 XLR input; 1 XLR and 1 RCA main outputs; 2 record outputs. Required external power supply (not included). Input-level, phase, blend, and output-level controls. THD 0.005%; S/N 80 dB. 19 x 7½ x 14½ in.; 26 lb. \$20,000  
 Multiple-input version of above, with 1 XLR and 3 RCA inputs. \$22,000  
 Power supply. \$3,500  
 Cart with casters. \$725

## CHIRO BY KINERGETICS

### C-800 THX Digital Processor

6 channels. THX Home Cinema and Dolby Pro Logic modes. 8 audio inputs; 5 composite and 2 S-video inputs; 6 audio outputs; 2 composite- and 1 S-video outputs. Remote control. Includes mic. 3-yr parts-and-labor warranty. 17¼ x 5¼ x 17¼ in.; 30 lb. \$2,198  
 Second-zone remote control for above. \$50

### C-5.1 Dolby Digital/DTS Processor

6 channels. Dolby Digital and DTS decoding. RF input for Dolby Digital; RCA and Toslink digital outputs. Auto switching between Dolby Digital and DTS. 3-yr parts-and-labor warranty. 17¼ x 2 x 16¼ in.; 16 lb. \$1,298  
 As above without DTS processing. \$1,298

## CHORD

### ACO 2200 Active Crossover

2-way. Electronic crossover for active biamping. XLR and RCA inputs and outputs. Crossover, frequency, and slope custom-designed to user specifications. 5-yr warranty. \$3,500

## CINEPRO

### DTC-1 Dolby Digital/DTS Processor

6 channels. Dolby Digital, DTS, Dolby Pro Logic, and Hall Modes. 6 digital inputs (Toslink and coaxial); 2 digital outputs; 6 analog outputs. High-current Class A output stage; 20-bit D/A converter; HDCD decoding; motor-driven front-panel rotary controls with LED pointers; front-panel rotary-knob control for all

digital functions. Auto digital switching; infrared remote control. THD 0.005%; S/N 118 dB. 3-yr warranty. 19 x 6 x 14 in.; 24 lb. \$3,495

## DB SYSTEMS

### DB-3 Active Crossover

Fixed crossover points. Diode input protection. Available in 2- or 3-way form with 6- or 12-dB/oct Gaussian filters, 2- or 3-way form with 18-dB/oct Butterworth filters, or 2-way form with 24- or 36-dB/oct in-phase filters. Adjustable gain control for each channel. Powered by DB-2A power supply or connection to compatible DB systems component optional. THD 0.0008%. 5-yr transferable warranty. Price varies with options. \$380

### DB-7 Signal Processor

Phase inverter, bandpass filter, and bridging adapter. Buffered inputs and outputs; outputs for bridging 2 stereo amps into 2 mono amps; gold-plated connectors. 18-dB/oct Butterworth Infrasonic filter; 18-dB/oct Bessel ultrasonic filter. Phase switching for either or both channels. Powered by DB-2A power supply or connection to compatible DB systems component optional. THD 0.003%. 5-yr transferable warranty. 6¼ x 4¼ x 2¼ in.; 1 lb. \$235

## DENON

### AVD2000 Dolby Digital Processor

6 channels. Dolby Digital, Dolby Pro Logic, 5 Channel Stereo, Matrix, Mono Movie, Stereo, Rock Arena, Jazz Club, and Video Game modes. Analog input for onboard 5.1-channel surround decoder; 2 optical, 2 coaxial, and 1 AC-3 RF digital inputs; analog input; 1 optical digital output; L/R front, center, L/R surround, and subwoofer analog outputs. Digital DDSC (Dynamic Discrete Surround Circuit); cinema EQ; 20-bit D/A converter for front L/R channels; 18-bit for center/surround channels. Master volume control; remote control. THD 0.005%; S/N 110 dB. 17¼ x 3 x 9½ in. \$599

## ENERGY

### EAC Subwoofer Control Unit

Controls two subwoofers. Line- and speaker-level inputs and outputs; 5-way gold-plated binding posts. Level control; independent variable high- and low-pass crossovers from 50-150 Hz; variable phase control; A/V EQ. \$250

## ESOTERIC SOUND

### Surface Noise Reducer

Reduces transient noise from phonograph records. 2 speaker-level inputs; 2 speaker-level outputs. Distortion-limiting circuit that prevents noise reduction from acting on music; rack-mount-width chassis. Noise and distortion controls; LED display. THD 0.02%; S/N 95 dB. 19 x 1¼ x 7 in.; 4 lb. \$499

### Re-Equalizer Phono Processor

6 selectable turnover points and 6 selectable roll-offs. Bypass switch. Flat, 300-Hz, 400-Hz, RIAA, LP, and 700-Hz turnovers. Flat, -5 dB, -10 dB, -12 dB, RIAA, and NAB rolloffs. THD 0.02%. \$335

## HARRISON LABORATORY

### SEM08 30-Band Graphic EQ/Crossover

Center frequencies ½-oct apart. Crossover point selectable from several values for 2, 3, or 4 bands. Line-level input pair; line-level output pairs for 4

bands. 40-dB/oct crossover slopes; reverse-power protection. Full-range-output mode; pink-noise generator and level control; variable input sense; peak-level indicator for each band; 30-band noise gate. S/N 90 dB full-range mode. 12 x 4 x 1 in. \$459  
**SEM08 Less Display.** As above without peak-level indicators. \$351

### PFMOD 4CH Active Crossover

2-way. Front and surround high-pass crossover points selectable at 100 or 200 Hz; low-pass crossover point selectable from 16 values between 50 and 200 Hz. L/R front and L/R rear line-level inputs and outputs; L/R line-level subwoofer outputs. Requires no input power; 18-dB/oct filters. \$90

### PFMOD Active Filters

The following modules require no input power. Each features an internal 20-year battery charged by line-level input, 2 gold-plated RCA full-range inputs, 4 gold-plated RCA outputs, crossover-point selection via jumper settings, and 15-dB-per-oct slopes.

### Model 2W1 Active Crossover

2-way crossover for biamping. 2 high-pass and 2 low-pass outputs. Crossover point 50, 70, 100, or 150 Hz. 2 x 2 x 1½ in. \$60

**HP1 Active Crossover.** Designed for midrange/tweeter amplifiers. Two 50-, 70-, 100-, or 150-Hz high-pass outputs; 2 full-range outputs. 2 x 2 x 1½ in. \$50

**HP2 Active Crossover.** Designed for tweeter amplifiers. Two 3.5-, 4-, 6-, or 8-kHz high-pass outputs; 2 full-range outputs. 2 x 2 x 1½ in. \$50

**LP1 Active Crossover.** Designed for subwoofer amplifiers. Two 50-, 70-, 100-, or 150-Hz low-pass outputs; 2 full-range outputs. 2 x 2 x 1½ in. \$50

### F-MOD Active Crossover

1-way. Low-pass crossover points selectable at 50, 70, 100, 150, 200, 500 Hz; 1, 2.5, 3.5, or 6.5 kHz; high-pass crossover at 20, 30, 50, 70, 100, 150, 200, 300, 500 Hz; 1, 2.5, 3.5, or 6.5 kHz. 1 RCA input; 1 RCA output. 12-dB slope. THD 0.05%; S/N 150 dB. 2¼ x 1 x 1 in.; 1 lb. \$33

### F-MOD Cable Active Crossover

1-way. Bidirectional high- or low-pass crossover points selectable at 50/10, 70/100, 100/200, 200/500 Hz, 500 Hz/1 kHz, 1/2.5, or 3.5/6.5 kHz; high-pass crossover points at 20/50 Hz. 2 inputs and 2 outputs. 12-dB slope. THD 0.005%; S/N 150 dB. 13¼ x 1 x ½ in.; 1 lb. \$27

## INTERACTIVE LABS

### Eldorado Dolby Digital Processor

6 channels. Dolby Digital and Pro Logic modes. 4 audio inputs; 12 A/V inputs; 6 audio outputs; 3 video outputs. Remote control. THD 0.01%; S/N 110 dB. 5-yr warranty. 17 x 7 x 15½ in. \$2,999  
**RMK 325.** Rack-mount kit for above. \$30

### Five-Q 5-Band Graphic EQ

Center frequencies at 60, 200, and 800 Hz; 3 and 10 kHz; ±15-dB boost/cut. 5 gold-plated RCA inputs; 5 gold-plated RCA outputs. Bypass switch; remote control. THD 0.01%; S/N 100 dB. 5-yr warranty. 17 x 3¼ x 15½ in. \$1,199  
**RMK 325.** Rack-mount kit for above. \$30

### Little-Q 5-Band Graphic EQ

Center frequencies at 60, 200, and 800 Hz; 3 and 10 kHz; ±15-dB boost/cut. 3 gold-plated RCA inputs; 3 gold-plated RCA outputs. Bypass switch; remote control. THD 0.01%; S/N 100 dB. 5-yr warranty. 17 x 3¼ x 15½ in. \$999  
**RMK 325.** Rack-mount kit for above. \$30

## JANIS

### Interphase 3AT Active Crossover

2-way. Crossover point fixed at 100 Hz. Designed for subwoofers. L/R inputs. 1 variable low-pass and 2 high-pass 18-dB/oct Butterworth filters;

All prices given here are  
 the suggested retail prices.  
 Dealer prices may vary.

# Signal Processors

built-in 70-W bass amp. Crossover-bypass switch; level and phase controls. THD 0.01%; S/N 97 dB. 14 x 3 1/2 x 14 in; 20 lb ..... \$750

## JBL

**SDP-2D THX Dolby Digital/DTS Processor**  
7 channels. Dolby Digital, Dolby Pro Logic, 15 user-programmable Music and Cinema surround modes including 7-axis decoding. 8 analog audio inputs; 2 coaxial and 2 optical digital audio inputs; 2 composite- and 3 S-video inputs; 7 main outputs. THX certified; built-in RF demodulator. Bass, treble, and loudness controls; on-screen and front-panel displays; remote control. Includes rack-mounting kit. THD 0.01% ..... \$6,000

**STC-1 Touch Screen Controller.** Touch-screen infrared remote control for above. Universal learning remote with 500 commands; 23 user-defined pages; 100 user-defined macros of up to 24 steps each; Preprogrammed to operate all JBL Synthesis THX powered home-theater systems. Archiving and design software optional. .... \$2,500

## JRM ENGINEERING

**Model 3PBP/X8 Active Crossover**  
2-, 3-, or 4-way stereo; high- and low-pass crossover points set via plug-in modules. Mono/stereo subwoofer outputs. 18-dB/oct slopes; infrasonic and ultrasonic filters; gold-plated inputs and outputs. THD 0.001%; S/N 94 dB ..... \$1,755

**Model 3PBP/X4.** As above, 2-way only ..... \$1,215

## Remote 10-Band Graphic EQ

Center frequencies continuously variable between 4 Hz-50 kHz. Designed for use with JRM preamp, DA-20 D/A converter, or Model 3PBP crossover. 2% polypropylene capacitors; gold-plated inputs and outputs. Loudness range; separate L/R level controls. THD 0.001%; S/N 98 dB ..... \$1,575

## KAB ELECTRO ACOUSTICS

**Souvenir VSP INL Phono Processor**  
EQ and noise limiter for vintage 78s and mono LPs. Scratch-noise limiter; 2-speed dynamic noise limiter; transient impulse-noise limiter for ticks, clicks, and pops; rumble filter. 8 EQ settings; L/R balance and treble controls; mono with stereo bypass mode. THD 0.07%; S/N 79 dB ..... \$429

**Souvenir VSP.** As above without transient impulse-noise limiter ..... \$329

## KENWOOD

**Model 1070KE 14-Band Graphic EQ**  
Mic input with mixing control. 27-band spectrum analyzer display; graphic/parametric function;  $\pm 12$  dB adjustable range; 6-preset music characteristics with 5 presets for each one; 3-preset recording EQ curves; on/off switch. THD 0.006%; S/N 100 dB. 17 1/2 x 5 1/2 x 14 1/2 in; 11 lb ..... \$300

## KE-2060 7-Band Graphic EQ

Center frequencies at 60, 150, and 400 Hz; 1, 2.4, 6, and 15 kHz;  $\pm 10$ -dB boost/cut. Tape loop; unswitched AC outlet. 5 factory and 5 user presets; 13-band spectrum display; fluorescent display; system remote control compatibility ..... \$140

## LEGACY AUDIO

**Steradian Signal Processor**  
Algorithm-based room-environment processor. XLR inputs and outputs. Frequency shaping, phase manipulation, and other correction circuitry. Adjustable low-frequency-hinge control (125 Hz and below). THD 0.001%; S/N 100 dB ..... \$1,295

## LEXICON

**LDD-1 Dolby Digital RF Demodulator**  
Auto switching between AC-3 RF and digital audio inputs; auto turn-on/off. 19-in rack-mount kit optional. 17 x 1 1/4 x 4 in; 5 lb ..... \$699

## MARANTZ

**DP-870 Dolby Digital Processor**  
6 channels. Dolby Digital decoding. RF, coaxial, and optical digital inputs. DSP decoder; Bitstream D/A conversion. Channel level and balance controls; speaker configuration switches; multichannel input. 3-yr warranty ..... \$600

## MARCHAND

**XM26-AA Tube Active Crossover**  
2-way. Crossover points selectable via plug-in modules from 20 Hz-5 kHz. 24-dB/oct filters; regulated power supply; four 12AX7A tubes/ch. Gold-plated inputs and outputs; high- and low-pass outputs with L/R level controls; sum switch for common subwoofer operation. 17 x 3 x 9 in ..... \$1,495

## XM6-A Active Crossover

2-way. Crossover selectable from 20 Hz-5 kHz. 24-dB/oct filters; high- and low-pass outputs with L/R level controls; LED crossover-point display; phase switch for low-pass output. 17 x 3 x 9 in ..... \$695

## XM16L-AA Active Crossover

2-way. Crossover selectable via plug-in modules from 20 Hz-5 kHz. Gold-plated inputs and outputs. 48-dB/oct filters; high- and low-pass outputs with L/R level controls; sum switch for common subwoofer operation ..... \$549

**XM16L-3AA.** 3-way version of XM16L-AA. .... \$699

## XM9L-AA Active Crossover

2-way. Crossover selectable via plug-in modules from 20 Hz-5 kHz. Gold-plated inputs and outputs. 24-dB/oct filters; high- and low-pass outputs with L/R level controls; sum switch for common subwoofer operation ..... \$499

**XM9L-3AA.** 3-way version of XM9L-AA. .... \$599

## McINTOSH

**MAC-3 Dolby Digital Processor**  
6 channels. Dolby Digital decoding. 4 coaxial and 4 optical digital inputs; 1 RF AC-3 input. Remote control. THD 0.005%. 3-yr warranty. 17 1/2 x 3 3/4 x 17 1/2 in; 32 lb ..... \$2,500

## MIRAGE

**LFX-3 Active Crossover**  
2-way, 3 channels. Crossover point selectable at 50, 63, 80, or 100 Hz. Designed to control up to 3 subwoofers with mixing matrix. Phase switch; crossover-bypass switch; variable center-channel control. 17 x 9 x 2 1/2 in; 7 lb ..... \$800

**LFX-1.** 2-ch control unit for any subwoofer. .... \$250

## MSB TECHNOLOGY

**DDP-2X Dolby Digital/DTS Processor**  
6 channels. Dolby Digital and DTS decoding. Toslink and coaxial inputs; 6 analog inputs; 6 analog outputs; 3 digital outputs. 2-, 4-, 5-, or 6-channel configurations; built-in 2-channel D/A converter. Master volume control with 6-level trim adjusters; remote control. THD 0.01%; S/N 98 dB. 17 x 4 x 10 in; 33 lb ..... \$2,195

## MTX

**HTX-V2 Active Crossover**  
2-way. High- and low-pass crossover points variable from 32 Hz-400 Hz. Designed for custom home-theater/music applications. Gold-plated RCA connectors. 2 adjustable output gain controls. THD 0.05%; S/N 96 dB ..... \$160

## NAIM

**S-NAX03-6 Active Crossover**  
3-way. 18-dB/oct slopes. Requires separate Naim power supply. 2-way optional ..... \$1,600

## NA IXO Active Crossover

2-way. 18-dB/oct slopes ..... \$1,050

## NAKAMICHI

**DE-1 Dolby Digital RF Demodulator**  
AC-3 RF input; coaxial Dolby Digital output. 5 1/2 x 2 x 7 1/2 in; 2 lb ..... \$450

## NUREALITY

**Vivid 3D Theater Signal Processor**  
Uses patented Sound Retrieval System (SRS) circuit to deliver 3-D surround sound from 2 speakers. Space and center ambience-level controls; bypass mode; volume control; LED display; remote control. S/N 90 dB. 16 1/2 x 2 1/4 x 9 1/4 in; 9 lb. .... \$250

## ONKYO

**ED-301 Dolby Digital Processor**  
6 channels. Dolby Digital, Dolby Pro Logic, and Midnight Theater modes. 6-channel input; optical and coaxial digital inputs; 2 A/V inputs; 6-channel output; DB-25 multipin output connector. 24-bit DSP chip; 20-bit D/A converter; Lucasfilm ReEQ circuitry. Master volume control; LFE level control; 6-channel test-tone generator; 3-level display dimmer. THD 0.08%; S/N 96 dB. 17 1/2 x 3 1/2 x 12 in; 9 lb ..... \$400

## Integra EQ-35 12-Band Graphic EQ

Center frequencies at 16, 32, 64, 125, 250, and 500 Hz; 1, 2, 4, 8, 16, and 32 kHz; switchable 6- or 12-dB boost/cut. 10-tone signal generator with step and sweep modes; signal-flow display; LED level indicators. THD 0.01%. 17 1/2 x 3 1/2 x 14 1/2 in; 10 lb ..... \$385

## EQ-201 7-Band Graphic EQ

Center frequencies at 64, 160, and 400 Hz; 1, 2.5, 6.3, and 16 kHz; 12-dB boost/cut. Tape loop. Spectrum analyzer; EQ defeat; LED level indicators. THD 0.01%. 18 x 3 1/2 x 12 in; 8 lb ..... \$270

**EQ-101.** As above, no spectrum analyzer ..... \$180

## OPTIMUS BY RADIO SHACK

**Model 31-2030 10-Band Graphic EQ/Analyzer**  
Center frequencies at 31, 62, 126, 250, and 500 Hz; 1, 2, 4, 8, and 16 kHz;  $\pm 12$ -dB boost/cut. Image-enhancer circuit to widen soundstage. Tape dub/monitor controls; EQ-bypass button; fluorescent spectrum analyzer. THD 0.015%; S/N 95 dB ..... \$130

## PARASOUND

**P/DD-1500 Dolby Digital Processor**  
6 channels. Dolby Digital decoding. 1 Toslink and 2 coaxial inputs; RF input; DB-25 and line-level outputs. Zoran 38500 IC with 20-bit Burr-Brown PCM-63-J D/A converter; Lucasfilm ReEQ circuitry; dialec normalization. Dynamic range control; bass-contour control; adjustable center/surround-channel signal delay; remote control. THD 0.0015%; S/N 108 dB. 19 x 3 1/2 x 13 in; 16 lb ..... \$995

## R/EQ-150 5-Band Graphic EQ

Center frequencies at 40, 80, and 120 Hz; 2.5 and 6 kHz;  $\pm 8$  dB boost/cut. Bypass switch. THD 0.05%; S/N 88 dB ..... \$145

## PIONEER

**GR-777 10-Band Graphic EQ**  
Center frequencies at 32, 64, 125, 250, and 500 Hz; 1, 2, 4, 8, and 16 kHz;  $\pm 10$  dB boost/cut. Heavy, Clear, Soft, Visual, and Vocal preset curves; 5 user presets; 10-band spectrum display; SR-system remote control ..... \$410

## GR-555 7-Band Graphic EQ

Center frequencies at 60, 150, 400 Hz, 1, 2.4, 6, and 15 kHz;  $\pm 10$  dB boost/cut. Tape monitor; 7-band spectrum display; defeat switch ..... \$260

## GR-470 7-Band Graphic EQ

Center frequencies at 60, 150, 400 Hz, 1, 2.4, 6, and 15 kHz;  $\pm 10$  dB boost/cut. LED slider controls; defeat switch ..... \$135

# Signal Processors

## PROCEED

### PDSD Dolby/THX/DTS Digital Processor

6 channels. Dolby Digital, DTS, THX Home-Cinema and MPEG-2 modes. Digital inputs. Provides digital surround decoding for PAV A/V preamplifier; software and hardware upgradable; 24-bit/96 kHz processing. \$4,695

## RANE

### RPE 228 28-Band Graphic EQ

Center frequencies in 1/2-oct steps from 31.5 Hz-16 kHz. Euroblock connectors. Interpolating constant Q filters; low-pass filter adjustable from 10 Hz-200 Hz in 10-Hz steps or off; high-pass filter adjustable from 1 kHz-20 kHz in 1 kHz steps or off; digital-controlled analog filters. 8 EQ memory-access via switch, AMX, or Creston controls; no front-panel controls; 8 memory-access via contact closure; separate input and output level controls; RaneWare Windows Software; EQ is programmed via RS-232 serial ports. THD 0.02%; S/N 94 dB. 3-yr warranty. 19 x 1 1/4 x 8 1/2 in; 6 lb. \$1,294

### THX 44 15-Band Graphic/Parametric EQ

Center frequencies at 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, and 800 Hz with ±6 dB boost/cut; 2 parametric EQ bands for each channel, each with Q variable from 0.7-3.5, and ±4 dB boost/cut, subwoofer Q variable from 0.5-2.5, ±6 dB boost/cut. Designed for left, center, right, and subwoofer channels in home-theater system. Line-level left, right, center-channel, and subwoofer outputs; THX DB-25 Input and output; RCA connectors. External power supply. Power on/off mute; fail-safe bypass; security cover. Includes 19-in rack-mount ears. THD 0.001%; S/N 120 dB. 3-yr warranty. 19 x 3 1/2 x 8 1/2 in; 8 lb. \$1,099

### ME 60 30-Band Graphic EQ

Center frequencies at 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, and 800 Hz; 1, 1.25, 1.6, 2, 2.5, 3.15, 4, 5, 6.3, 8, 10, 12.5, 16, and 20 kHz; ±12 dB boost/cut. RCA, XLR, and phone-jack inputs and outputs. 12-dB/oct Butterworth low-cut filters for each channel variable from 10-250 Hz; 12-dB/oct Butterworth high-cut filters for each channel variable from 3-40 kHz; constant-Q bandwidths; 2 adjustable band-limiting filters; RFI filters. Overall gain-control; passive bypass switches with LED indicators for each channel; overload indicators; 2-rack-space chassis. THD 0.008%; S/N 110 dB. 3-yr warranty. 19 x 3 1/2 x 8 1/2 in; 9 lb. \$699

### AC 23B Active Crossover

2- or 3-way stereo or 4- or 5-way mono. Crossover frequencies selectable from 70 Hz-1 kHz for 2 crossover points and from 190 Hz-7 kHz for 2 other points. XLR inputs and outputs. 24-dB/oct Linkwitz-Riley filters; separate power supply; infrasonic, ultrasonic, and RFI filters. Adjustable time delays for low- and mid-frequency outputs; individual band muting; input and output level controls. THD 0.02%; S/N 92 dB. 19 x 1 1/4 x 5 1/2 in; 5 lb. \$549  
**AC 23.** As above, balanced phone-jack inputs and RCA outputs. \$529

### PE 17 5-Band Parametric EQ

Center frequencies each individually variable from 10-200 Hz or 1-20 kHz with Q's individually variable from 0.03 to 2; +12, -15 dB boost/cut. XLR and phone-jack inputs and outputs. Sweepable 12-dB/oct Butterworth low- and high-cut filters with low-cut filter variable from 10-250 Hz and high-cut filter variable from 3-40 kHz; auto bypass upon power failure. Input and output gain controls; bypass switches and LED indicators for each band. THD 0.005%; S/N 98 dB. 3-yr warranty. 5 lb. \$549

### SSE 22 11-Band Graphic/Parametric EQ

11 center frequencies in 1/2-oct steps from 80-800 Hz; 2 parametric center frequencies selectable from 1 kHz-10 kHz; both ±6 dB boost/cut. Designed for use with surround channels in home-theater applications. RCA inputs and outputs. Out-

board power supply. Graphic and Parametric controls. Includes security cover and rack-mount ears. THD 0.001%; S/N 120 dB. 3-yr warranty. 19 x 1 1/4 x 8 1/2 in; 5 lb. \$499

### AC 22B Active Crossover

2-way stereo with subwoofer or 3-way mono. Crossover points selectable from several values from 70 Hz-3.6 kHz. XLR inputs and outputs. 24-dB/oct Linkwitz-Riley crossovers; infrasonic, ultrasonic, and RFI filters; external power supply. Adjustable time delay for low and mid outputs; individual band muting; input and output level controls. THD 0.02%; S/N 92 dB. 3-yr warranty. 19 x 1 1/4 x 5 1/2 in. \$439

**AC 22.** As above, balanced phone-jack inputs and RCA outputs. \$429

### ME 15B 15-Band Graphic EQ

Center frequencies from 25-16 kHz with 1/2-oct ISO spacing, selectable ±6 or ±12-dB boost cut. XLR and RCA (phono-jack) inputs and outputs. Constant-Q bandwidths; infrasonic, ultrasonic and RFI filters. Overall gain-controls, bypass switches, and overload indicators for each channel. THD 0.009%; S/N 110 dB. 3-yr warranty. 19 x 1 1/4 x 5 1/2 in; 5 lb. \$429

**ME 30B.** As above, 30-band mono design with center frequencies from 25 Hz-20 kHz with 1/2-oct ISO spacing. \$419

## ROTEL

### RSP 985 THX Digital Processor

5 channels. Dolby Digital, Dolby Pro Logic, Stereo, Hall, Concert, and Stadium modes. 2 Toslink and 2 coaxial inputs; 4 S-video Inputs; DB-25 Input; 6 RCA outputs. Multiroom operation. On-screen display; remote control. THD 0.03%; S/N 100 dB. 5-yr warranty. 17 1/2 x 5 x 12 1/2 in; 21 lb. \$1,900

### RSP 975 THX Digital Processor

5 channels. Dolby Digital, Dolby Pro Logic, Stereo, Hall, Concert, and Stadium modes. 1 Toslink and 3 coaxial inputs; DB-25 input; 4 video inputs; 6 RCA outputs. On-screen display; remote control. THD 0.03%; S/N 100 dB. 5-yr warranty. 17 1/2 x 5 x 12 1/2 in; 18 lb. \$1,000

## SHERWOOD

### EQ-3050C 7-Band Graphic EQ

12 factory EQ presets; tape monitor; peak hold; switchable display level; spectrum display; display dimmer; fluorescent display. THD 0.005%; S/N 108 dB. \$229

## SIGNATURE TECHNOLOGIES

### LPF-2 Active Crossover

2-way. 6-dB/oct passive high-pass filter at 70 Hz; 18-dB/oct low-pass filter at 68 Hz; Infrasonic filter. Low-frequency level control to +10 dB. THD 0.01%. 6 x 2 1/2 x 9 1/4 in; 2 lb. \$395

## SIGTECH

### T 1121 D-F Digital Signal Processor

Corrects system's frequency response, phase, and imaging by compensating in time domain for reflections derived from room acoustics. Digital coaxial, AES/EBU, and AT&T ST inputs and outputs. 250-mips architecture; individual correction for each significant reflection. 3 user presets. Includes room measurement and calibration by dealer. 20-bit analog input and output with coaxial and XLR formats optional. S/N 104 dB. \$7,790  
**T921D.** As above with only one user preset and with digital coaxial, AES/EBU, EIAJ optical inputs and outputs. \$5,590

## SIMA PRODUCTS

### SVS-1 Volume Stabilizer

Maintains a constant volume level by acting as a dynamic-range compressor for home-theaters,

stereo systems, satellite TVs, CD to tape copies, and background music. RCA inputs and outputs. 10:1 or 2:1 compression setting; bypass switch. Includes connecting cable and power transformer. THD 0.1%. 5 1/2 x 5 x 1 1/2 in. \$60  
**SVS-4.** As above with 4 input/2 output A/V switcher; audio, composite-video, and S-video inputs and outputs; remote control. 13 x 8 x 2 1/4 in. \$150

## SNELL

### RCS 1000 Digital Signal Processor

Correction system to compensate for room acoustics. Six full-range channels, analog inputs and outputs via RCA and XLR connectors. Six Burr-Brown 20-bit A/D converters; six Motorola 56002 digital signal processors; six Burr-Brown 20-bit D/A converters; built-in FFT measurement and analysis system. Calibrated mic; full-function infrared remote control; front-panel active display with remote controlled functions. THD 0.005%; S/N 100 dB. \$15,000

## SONIC FRONTIERS

### SSP-1 Surround Processor

6 channels. Dolby Digital, DTS, and Dolby Pro Logic modes. 9 digital inputs; 6 video inputs; XLR and RCA inputs and outputs. 20-bit D/A converter. On-screen display; remote control; auto-speaker calibration; auto-mode select. THD 0.002%; S/N 110 dB. 5-yr full warranty. 19 x 5 1/4 x 13 in; 30 lb. \$7,999

## SONY

### SDP EP9ES Dolby Digital Processor and D/A Converter

6 channels. Dolby Digital, Dolby Pro Logic, Digital Cinema, and 3D Cinema modes. 1 AC-3 RF, 1 coaxial, and 3 optical digital inputs; optical digital output. 24-bit D/A converter; motor-driven volume control. 20-character front-panel display; treble controls; digital balance and bass controls; auto source selection; speaker-size setup with bass redirection. Includes 3 pair gold-plated audio cables. 5-yr warranty. 17 x 3 1/2 x 14 in; 14 lb. \$750

### SDPE800 Dolby Digital Processor

6 channels. Dolby Digital, Dolby Pro Logic, and 41 ambience modes. AC-3 RF digital inputs; 4 video inputs; 3 digital inputs; 3 front audio outputs; L/R surround outputs; subwoofer output; optical digital output. 24-bit hybrid pulse D/A converter. Digital crossover control; digital main and surround volume controls. 17 x 3 1/2 x 14 in; 14 lb. \$480

### SEQ-711 7-Band Graphic EQ

Center frequencies at 63, 160, and 400 Hz; 1, 2.5, 6.3, and 16 kHz; ±10-dB boost/cut. Antiresonant aluminum front panel; fluorescent spectrum analyzer. Remote control. THD 0.01% at 1 kHz; S/N 100 dB. 17 x 4 1/4 x 11 in; 5 lb. \$280

## SOUND CONCEPTS

### SSD550 Ambience Restoration System

Enhancing movie surround reproduction by adding variable delay of 5 to 100 ms to surround channels in home-theater system. 2 stereo inputs; front/rear stereo outputs. Continuous variable delay of 5-100 ms variable high frequency roll off. Music/movie mode switch; front-channel control. THD 0.2%; S/N 90 dB. 15 1/2 x 3 1/2 x 9 in; 7 lb. \$975

### IR2100 Image Restorer

Patented acoustic-cancellation circuit to restore width and depth of original stereo image. Wired remote on 15-ft cable with adjustments for speaker-position and degree of stereo enhancement; bypass switch; and volume control. S/N 86 dB. \$360

## SOURCE

### BAL Ambience Restoration System

XLR and RCA inputs and outputs. Class A design; JFET input stage; linear gain stage. THD

# Signal Processors

0.003%; S/N 106 dB. 3-yr warranty. 17 x 4 x 8 in; 14 lb. . . . . \$795

## SE Ambience Restoration System

RCA inputs and outputs. Class A design; JFET input stage; linear gain stage. THD 0.003%; S/N 106 dB. 3-yr warranty. 17 x 3 x 8 in; 8 lb. . . . . \$489

## SPL

### The HiFi-Vitalizer Signal Processor

L/R tape inputs and outputs. Adjusts filtering and phase response appropriate to source input; adjusts the midrange in accordance with Fletcher-Munson equal-loudness curves providing low-level balance. Front-panel controls: bass, treble, intensity, brilliance, and stereo expander. THD 0.002%; S/N 89 dB. 8 lb. . . . . \$699

## TADDEO

### Digital Antidote II Digital Signal Processor

2 analog inputs and outputs. Patented time-domain correction for digital play. Audiophile wire and jacks optional. THD 0.0002%; S/N 101 dB. 19 x 2½ x 9 in. . . . . \$550

## TANDBERG

### TCA 4136 Dolby Digital Processor

6 channels. Dolby Digital, Dolby Pro Logic, and Hall modes. 8 audio inputs; SPDIF input; video output. Auto setup with mic; output channels can be individually controlled; front-panel LCD and on-screen displays. RF demodulator optional. . . . . \$1,999

## TEAC

### EQA-220 10-Band Graphic EQ

Center frequencies at 30, 60, 125, 250, 500 Hz; 1, 2, 4, 8, and 16 kHz; ±12 dB boost/cut. Line-level input; line-level output; tape loop. 10-band spectrum display; EQ-record and bypass switches; LED slider indicators. 17½ x 3¼ x 8½ in. . . . . \$129  
EQA-120. As above, no spectrum display . . . . . \$99

### EQA-190 10-Band Graphic EQ

Center frequencies at 30, 60, 125, 250, and 500 Hz; 1, 2, 4, 8, and 16 kHz; ±12 dB boost/cut. Independent L/R EQ. 10-band spectrum display; input select switch; EQ effect on/off switch. THD 0.01%; S/N 90 dB. 17½ x 3¼ x 8½ in; 6 lb. . . . . \$119

## TECHNICS

### SH-GE90 Surround Processor

Hall, Live, Disco, Church, Stadium, and Theater surround modes. Dual mic inputs. 3-band parametric EQ with center frequencies selectable from 24 points; variable digital delay; karaoke functions including voice mute, key control, and reverb/echo; spectrum analyzer; jog dial; 6 EQ presets. THD 0.08%; S/N 86 dB. 17 x 3¼ x 11½ in. . . . . \$430

### SH-AC300 Dolby Digital Processor

Dolby Digital, Dolby Pro Logic, and stereo modes. 3 optical and 3 coaxial digital inputs. . . . . \$350

### SH-AC500D Dolby Digital/DTS Processor

6 channels. Dolby Digital and DTS decoding. 2 coaxial and 2 optical digital inputs; 6 analog outputs. Test-tone generator; mute switch; dimmer control; remote control; master volume control. THD 0.007%; S/N 96 dB. 17 x 2¾ x 11½ in; 8 lb. . . . . \$300

### SH-GE70 7-Band Graphic EQ

Center frequencies at 63, 160, and 400 Hz; 1, 2.5, 6.3, and 12.5 kHz; ±12-dB boost/cut. 6 factory and 6 user presets; defeat and tape-monitor switches; 2 spectrum displays selectable for EQ-level, bar, dot, or peak-hold mode. THD 0.005%; S/N 105 dB. 17 x 3¼ x 11 in. . . . . \$200

### SH-GE50 7-Band Graphic EQ

±12 dB EQ. 2 coaxial and 2 optical digital inputs; 6 analog inputs. Tape record/play EQ. Source/tape



Yamaha DDP-2 Dolby Digital processor

selector switch; LED level indicators. THD 0.007%; S/N 110 dB. 17 x 3 x 7½ in; 6 lb. . . . . \$110

## THETA DIGITAL

### Timebase Linque Conditioner Jitter Reducer

Coaxial and Toslink inputs; coaxial outputs; optional AT&T and Single-Mode Laser Linque outputs. Can also convert Toslink input to coaxial output. Zinc-plated steel chassis; external 9 V power supply. . . . . \$199

## TUBE TECHNOLOGY

### Fulcrum D/A Dolby Digital Processor and D/A Converter

2 BNC inputs; AES/EBU XLR input; optical input; RCA output; clock output; digital record output. Sixteen 24-bit D/A converters; four 6922 vacuum tubes per channel; 2072X oversampling. S/N 120 dB. 14 x 3½ x 10¼ in. . . . . \$2,300

## ULTECH AUDIO

### Surround Master Dolby Digital/DTS Processor and D/A Converter

6 channels. Dolby Digital and DTS decoding. RF, ST, and Toslink digital inputs; 5 RCA inputs. Motorola digital signal processing chip; six 20-bit Burr-Brown PMC1702 D/A converters with HDCD decoder. Remote volume control. . . . . \$4,995  
Theater Center. As above, without DTS decoding, Zoran DSP chip instead of Motorola . . . . . \$3,995

## VAC

### CVA-2 Surround Processor

6 channels. Dolby Digital, DTS, and Dolby Pro Logic decoding. 4 RCA digital inputs; AC-3 RF input; 4 video inputs; L/R front, center, L/R surround, and subwoofer outputs. 5-yr warranty. 20½ x 7¼ x 16¼ in. . . . . \$6,690

## VIRTUAL LISTENING SYSTEMS

### Auri PT1000 Headphone Surround Processor

Converts matrixed two-channel Dolby Surround program into virtual surround sound with standard headphones. Uses a 900-MHz transmitter/receiver pair for wireless hookup. L/R inputs; 4 Dolby Pro Logic outputs (left, right, center, surround); outputs for 2 headphone sets on receiver box. Toltex 3D processor; Dolby Pro Logic decoder. 12 user controls on receiver, including volume, bass, ambience, ear type; 2 presets for user preferences on remote control. Includes power supply, recharger, rechargeable batteries, phone-plug adapters. THD 0.025%; S/N 85 dB. 7¼ x 4 x 1 in; 1 lb. . . . . \$500  
Additional Auri remote-control unit . . . . . \$229

### Cyclone 3D Surround Processor

Produces 5-channel Dolby surround imaging effects from conventional stereo signals with a pair of speakers. Toltex 3D processor; Motorola Symphony DSP. 3D boost, auto volume control, test, and bypass switches. THD 0.01%; S/N 80 dB. 4 x 3 x 1 in. . . . . \$100

## VISTA

### SSM2000 Noise Filter/Compressor

Dynamic low-pass filter and downward expander for about 25 dB noise reduction; compressor can

be used to limit volume level. 2 RCA inputs; 2 RCA outputs. Auto adaptive tuning for best S/N. Variable compressor adjustments. THD 0.02%; S/N 90 dB. 5 x 1½ x 5¼ in; 1 lb. . . . . \$125

## WADIA DIGITAL

### Wadia 27i Digital Signal Processor

2 ST glass fiber-optic inputs; 2 SPDIF BNC coaxial inputs; 1 AES/EBU XLR input; 1 EIAJ plastic fiber-optic input; 1 XLR and 1 RCA output. Patented filter system; Clock-link output; 64X oversampling; full differential DAC architecture provides true 22-bit resolution; 24-bit digital processing; dual toroidal transformers; aluminum plate chassis. 17 x 4¼ x 16 in; 32 lb. . . . . \$8,950

### Wadia 2000 Digital Signal Processor Upgrade

Upgrade for Wadia 2000 units in the field. Patented filter system; 64X oversampling; full differential DAC architecture provides 22-bit resolution; 24-bit digital processing. Digital volume control; remote control. . . . . \$3,690

### Wadia 64.4 Digital Signal Processor Upgrade

Upgrade for Wadia 64.4 units in the field. Patented filter system; 64X oversampling; full differential DAC architecture provides true 22-bit resolution; 24-bit digital processing. Digital volume control; remote control. . . . . \$3,690

## WEISS ENGINEERING

### EQ 1 7-Band Digital Parametric EQ

Center frequencies individually variable from 16-20 kHz with Qs individually variable from 0.4-8.6; ±18-dB boost/cut. AES 3 digital input and output. 32-bit digital processing. Front-panel LCD. 88.2/96-kHz processing optional. S/N 144 dB. 10 lb. . . . . \$4,500

## YAMAHA

### DDP-2 Dolby Digital Processor

6 channels. Dolby Digital, Dolby Digital Enhanced, and Digital Movie Theater surround modes. 2 digital inputs (1 coaxial and 1 optical); 6 analog outputs. Yamaha LSI chip-set decoder. 3 dynamic-range control settings; fluorescent front-panel display; menu controls on front panel. THD 0.01%; S/N 105 dB. 17½ x 3¼ x 10¼ in; 9 lb. . . . . \$399

### DSP-E492 Surround Processor/Amplifier

6 channels. Dolby Pro Logic, Dolby Pro Logic Enhanced, Hall, Concert Video, Disco, Rock Concert, and Mono Movie surround modes. 3 audio and 3 A/V inputs; 6 line-level inputs; line-level output; subwoofer and dual center-channel outputs. 3 built-in amps. High-low speaker impedance-selector; test-tone generator; internal/external switch; DSP program access via front panel; remote control. THD 0.04%; S/N 95 dB. 17½ x 5 x 15½ in; 19 lb. . . . . \$399

### EQ-550 10-Band Graphic EQ/Analyzer

Center frequencies at 30, 60, 120, 240, and 480 Hz; 1, 2, 4, 8, and 16 kHz; ±12 dB boost/cut. Pink-noise generator; electret-condenser mic; meter-level adjust; output-level control; switchable infra-sonic filter; fluorescent spectrum analyzer. THD 0.005%; S/N 105 dB. . . . . \$399

### APD-1 Dolby Digital RF Demodulator

AC-3 RF, Toslink, and coaxial digital outputs. 4 x 2½ x 5¼ in; 2 lb. . . . . \$100

# Accessories by Rebecca Day

*Little things that can make your system more fun to use*

Part of the fun of any hobby is searching for the perfect gadget that will dress up your equipment, boost its performance, or make it easier to use. The fashion term is accessorizing. For hard-core stereo and home-theater enthusiasts accessorizing can be an extreme sport. Consider, for example, the options when it comes to the wires that connect your equipment. You can spend \$50, or \$6,950, for 16 feet of audiophile interconnects or speaker cable — or make do with the interconnects that came with the equipment and a few dollars' worth of 14- or 16-gauge zip cord. There's always some point of diminishing returns when it comes to spending money to improve the performance or appearance of your system, but we all have to decide for ourselves when we've reached that point.

Your No. 1 accessory priority is housing. Ditch the cinder blocks and wood planks and find a suitable rack, stand, or piece of furniture to hold your system. Options range from ready-to-assemble wood, glass, and metal structures with open shelves to full-blown wall units and custom-made furniture. You can make your equipment as conspicuous or as invisible as you like, but keep a few basics in mind: ventilation, wire management, and space. Shop for A/V furniture with an eye to both your present and future needs. Measure your existing equipment and then figure out how much more space the components you're likely to add down the road will need. That way your furniture won't become useless when you upgrade.

Audio equipment, particularly heat-producing amplifiers, needs ventilation to keep operating safely for a long time. Open shelving and A/V stands from companies such as Lovan, Salamander, Sanus, Standesign, Atlantis, FurnitureWorks, Billy Bags Design, and Bell'Oggetti allow for air flow while showing off your high-tech gear. Prices for A/V racks start at roughly \$200 and go up to \$2,500 and more.

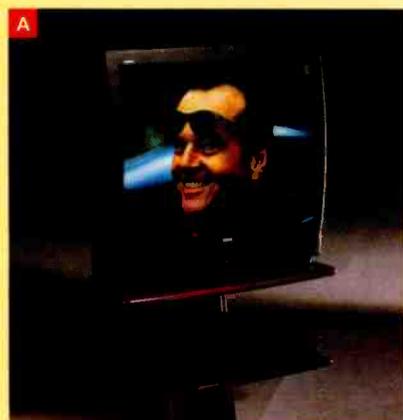
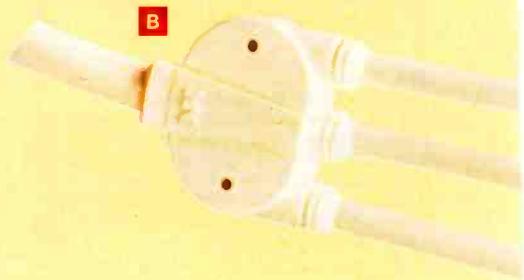
Bell'Oggetti punches holes in the structural tubes of its black metal ready-to-assemble furniture so that you can thread cables through the supports and keep them out of sight. The distinctive shelves on the company's furniture, which ranges in price from about \$400 to \$2,600, are made of tempered safety glass.

The Billy Bags Design's built-to-order A/V furniture (\$538 to \$2,900), on the other hand, features steel-frame tubing that is designed to be filled with sand, which is said to reduce transmission of vibrations from the room or the equipment. The ¾-inch-thick, high-pressure-laminate shelves come in a variety of finishes including faux marble, granite, woodgrain, and graphite.

If you need to conceal equipment to keep peace in the household, there's a wide variety of traditional furniture designed to accommodate TVs and A/V components. Bush Industries' ready-to-assemble furniture features storage space for discs and tapes, adjustable shelves, and tempered glass doors. The back panels are perforated for ventilation and cable management. Prices range from \$100 for a three-shelf audio cabinet to \$600 for a home-entertainment center with space for a 35-inch TV.

Although some A/V furniture makes provision for speakers, it's usually better to place them outside of a cabinet. That lets you position them for optimal imaging and also reduces the possibility of cabinet resonances. There's been an industry-wide movement to downsize speakers over the past few years so that they fit more comfortably into the living environment. The ironic upshot is that you often have to place these new small speakers on stands to put the tweeters at ear level when you're seated for listening or viewing.

Many of the companies that make A/V racks also sell lines of speaker stands, which can range in price from under \$50 to



AS GOOD AS IT GETS (COLUMBIA TRISTAR HOME VIDEO)





**E**



**D**



\$500 a pair depending on styling, construction, and features. To determine how tall a speaker stand you need, measure the distance between your ear height and the floor when you're seated and subtract the speaker's height. In addition to putting speakers at the correct height, good stands can keep small speakers from moving around during loud passages. Premium stands from Sansus, Atlantis, and others use solid wood pillars or hollow steel pillars that are designed to be filled with sand or lead shot. Some stands also come with spiked feet, which can help make a solid connection to the floor through carpeting or rugs.

When you can't mount a speaker on a stand, the next best thing is to mount it on a wall or hang it from the ceiling. Multi-channel surround sound makes space-saving solutions for speaker placement more important than ever. Some companies' satellite speakers can be used with wall brackets, either their own or those offered by companies like OmniMount. Speaker-mounting kits range from \$50 to \$80 a pair and often include a pivot joint that lets you aim the speakers. Finding a bracket to match a particular model of speaker — if its manufacturer doesn't offer a kit — can be a challenge. The OmniMount Web site has a chart that helps you select the right bracket based on the desired mounting location, the screw thread size, the number of threaded inserts, and the speaker's weight.

Another home-theater challenge is cor-

ralling those stacks of recordings that seem to take over a room. If your collection dates back a few years, you could have LPs, laserdiscs, audio and video cassettes, and CDs to contend with, plus newer formats like DVD and MiniDisc (MD). DVDs are the same size as audio CDs, but many are packaged in boxes wider and thinner than a videocassette shell. Prerecorded MDs come in a box just under an inch narrower than the cases for audio cassettes, but blank MDs come in much tinier cases.

Given the diversity of sizes and shapes of past, present, and future recorded media, it's wise to look for multipurpose storage. You can double up on LP and laserdisc storage with units that are wide and deep, and you can combine DVDs, CDs, audio and video cassettes, and video games in bookshelf-style units from companies like Leslie-Dame, Soricé, and HY-Q Enterprises. Look for adjustable shelves that can be adjusted to fit boxes of any height. Drawer-based cabinets from Lorentz and Can-Am deliver the same flexibility in a hideaway format.

Plastic storage units can be found for as little as \$10, and solid wood cabinets can run as high as \$1,500 for expanded versions made with high-quality materials such as tempered-glass doors. Some models are stand-alone units, while others are modular to allow for expansion as your collection grows. The file-cabinet-size Cube (\$258) from Lorentz Design, for example, can be stacked, and the company's 23 x 19½ x 12¼-inch Cube comes in one-, three-, four-, and five-drawer versions.

**A. ALTRA GXTV TV STAND B. MONSTER CABLE S-VIDEO POD C. PARTICULAR ODYSSEE CD RACK D. BELL D'OGGETTI WALL SPEAKER MOUNT E. SALAMANDER DESIGNS STANDS**



CanAm's three-drawer modular cabinets are made of heavy-duty textured steel and hold 810 CDs. All of CanAm's products fit the same 37½ x 20-inch footprint so that they can be stacked. In addition, the drawers employ a safety-interlock feature that prevents you from opening more than one at a time and having the cabinet topple over. "When you're storing thousands of CDs, you have to be careful about safety," says Jerry Pila, president of CanAm, "because a drawer of 270 CDs weighs 65 pounds."

If you don't have a lot of CDs and want to make a design statement, there are swiveling tower units like the Sonax MediaMaxx. Other relatively low-capacity CD racks have become 1990s interior-design clichés, like the popular wavy-metal stands and illuminated stands that appear frequently in home-decorating magazines and "smart design" catalogs and stores. The problem with these design-oriented racks is a lack of expandability, but they might fit into a family or living room when a mega-cabinet won't.

You also need portable storage when you take your tunes on the road. CD wallets and photo-album-size disc carriers have plastic liners for discs and CD booklets so you don't have to tote around bulky jewel boxes. Prices for nylon cases start at \$12 for a small wallet and go up based on storage capacity. Some of the more unusual and useful portable storage products include Case Logic's CD Visor (\$12), which holds a dozen discs in a thin panel that attaches to a car's visor. If you like to have your own music while you work out, Case Logic's belly bags hold either a cassette or CD player plus a selection of tapes or discs.

Another way to take music with you is to expand your audio system into other rooms in your home. Receivers are typically equipped to feed a remote room via an alternate ("B") pair of speaker terminals, but for more extensive multiroom systems you'll need an outboard speaker selector. Add-on speaker selectors also control the overall

impedance so that the amplifier doesn't overheat. Cost ranges from \$100 to \$400 depending on the number of outputs.

Ideally, you want to be able to control volume from each room independently, and that's why such manufacturers as Sonance, Russound, and Nilles Audio supplement their speaker selectors with in-wall volume controls. Speaker selectors with built-in volume controls make it unnecessary to cut a separate hole in the wall of a remote room, but the drawback is that you have to control volume from the source equipment in the main room rather than remotely.

There are two types of in-wall volume controls: premium controls that don't reduce impedance, and lesser controls that do. The first type leaves impedance-matching up to the speaker selector and allows you to turn a pair of speakers to full volume without risking damage to the amplifier or the volume control. Impedance-matching volume controls don't require a speaker selector, but they are designed for low-volume background listening. Volume controls typically run \$60 to \$75.

What good is a great stereo or home-theater system, or disc/tape collection, if you don't maintain it? For CDs, DVDs, and LPs, that means using cleaning products (\$5 to \$20) to remove any contaminants that could degrade the sound. Even though CDs and DVDs, unlike LPs, are noncontact media, optical-disc cleaning products can help you preserve your collection. Skin oils from fingers, not to mention spilled Coke or coffee, can eat away at a disc's protective coating, so it's a good idea to have some kind of cleaner on hand. In addition, scratches on a disc can interrupt play. Inexpensive CD scratch-repair kits are available from Discwasher, Allsop, and others.

On the hardware side, cassette-deck and VCR tape-head cleaners can remove oxide particles shed by tapes. Some tape-deck cleaners are dry, while others use a cleaning solution; TDK, which sells both, recommends a dry cleaner for heavy cleaning jobs. A demagnetizer will remove residual magnetism from the tape path and the heads themselves (such magnetism can increase hiss and dull the overall sound). To keep the laser lens of your CD or DVD player free of dust and other contaminants, you can invest in a laser-lens cleaner — this can be particularly useful for portable and car players.

In radio listening, sometimes you have to give the signal a boost. If you listen to a lot of broadcast music at home, it could make sense to upgrade your FM antenna. Most receivers and



H



J



K

separate tuners come with simple wire dipole antennas, which may do the trick if you live close to transmission towers that are grouped near each other, such as all on top of the same downtown skyscraper or hilltop radio tower. But if you need to rotate the antenna to pull in different stations, that's difficult to do with a dipole, and the result is usually untidy. In addition, if your favorite station has a weak signal, an amplified antenna like those from Parsec, Recoton, and Terk can boost the signal. Indoor antennas start at about \$15 for nonamplified versions and go up to \$120. An outdoor antenna for rooftop installation might be needed if an indoor antenna can't do the job. Prices range from under \$15 to about ten times that amount.

An amplified antenna is just one of many devices in a home entertainment system that come with a power plug. Your receiver can accommodate a couple of devices, but the average A/V system easily exceeds the capacity of a typical wall outlet. A power strip with a surge protector can provide much-needed outlet relief as well as protect your equipment from damaging electrical surges and spikes.

Generally, the more you spend on surge-protection devices, the better the protection — up to a point. No device will withstand a direct lightning hit, for example. The more sophisticated surge protectors from companies like Panamax, Newpoint, and APC also

offer sequential power-up, to stagger the power draw, and include line conditioning to clean up electromechanical and radio-frequency interference. Some surge protectors also protect phone lines for modems used in satellite receivers or Web-browsing boxes. Surge protectors for home entertainment use range in price from \$10 to \$300.

When your signal is pure and your equipment is housed and protected, the only thing left to do is to sit down and enjoy the music. In these days of home theater and multiple components, that's a lot easier to do if you can consolidate your remote-control devices. With manufacturer-supplied remotes becoming more versatile, the market for add-on remote controls is very competitive whether you're looking for a \$20 remote to control a few components or a \$200 remote that can control dozens. New twists on the old remote include built-in modems that can download codes for future products as well as touchscreen-based models that eliminate button confusion.

Whether you want to dress up your equipment, upgrade your cables, or downsize your collection of remotes, there are shelves full of accessories that can help you put the "finishing touches" on your entertainment system. Beware of the curse of the audiophile, though. Once you start tweaking, you'll soon discover that your system will always be a work in progress.

**G. AURORA CUSTOM MILLWORK CD RACK H. CD PLAYRIGHT DISC CLEANER/REPAIR KIT I. MAXELL MINIDISC LENS CLEANER J. CASE LOGIC CDV-20 CD ORGANIZER K. TERK TV50 ANTENNA L. NEWPOINT SURGE MANAGER**



# Accessories Manufacturers

See the Directory of Manufacturers on page 233 for mailing addresses, phone numbers, and Web addresses of companies listed here. Many of them also make audio or A/V components that appear elsewhere in Stereo Buyer's Guide 1999.

## ACCUPHASE

Power-line conditioner/enhancer

## ACOUSTEX

Speaker grille cloth

## ACOUSTICAL SOLUTIONS

Acoustical treatments, wall coverings

## ACROTEC

Cables and connectors

## ACURUS

Power-line filters/enhancers

## ADCOM

Power-line filter/enhancer, speaker selectors

## ALLSOP

Media cleaning and maintenance, carrying cases, cable guides

## ALON

Cables and connectors

## ALPHA-CORE

Cables and connectors

## ALTRA FURNITURE

A/V furniture

## AMERICAN HYBRID TECHNOLOGIES

Cables and connectors

## AMERICAN RECORDER TECHNOLOGIES

Cables and connectors, media cleaning and maintenance, media carrying cases, wire and cable covers

## ANNIS

Component maintenance

## APATURE

Cables and connectors

## APC (American Power Conversion)

Power-line conditioners/enhancers

## APS

FM antennas

## ARGENT ROOM LENS

Acoustic treatment

## A.R.T.

Antiresonant feet

## ARTECH

Blu-Tack speaker pads

## ASC

Acoustic treatments

## ATLANTIS

A/V furniture, speaker stands

## AUDIO ADVANCEMENTS

Turntable weights

## AUDIO ELECTRONICS

A/V furniture, cables and connectors, media racks

## AUDIO INSURGENTS

Cables and connectors, vibration damper

## AUDIO MACHINE & DESIGN

Speaker/component stands

## AUDIO NOTE

Cables and connectors

## AUDIOPLEX TECHNOLOGY

Speaker/recording selectors, remote/system controllers

## AUDIO POWER INDUSTRIES

Cables and connectors, power-line filters/enhancers

## AUDIOPRISM

A/V enhancement, cables and connectors, power-line filters/enhancers, FM antennas

## AUDIOQUEST

Cables and connectors; spikes, feet, and related products

## AUDIOSOURCE

CD cleaning and maintenance

## AUDIOSTREAM

Cables and connectors

## AUDIOTRUTH

Cables and connectors

## AURORA CUSTOM MILLWORK

Media racks

## BASIS

LP clamp

## BEL

Cables and connectors

## BELL'OGGETTI

A/V furniture, speaker stands

## BIB

CD cleaning/maintenance

## B-I-C AMERICA

Cables and connectors

## BILLY BAGS DESIGN

A/V furniture, media racks, speaker stands, spikes, feet

## BLUE CIRCLE

Power-line filters/enhancers

## BRIGHT STAR AUDIO

A/V furniture, component mounts

## BRYSTON

Cables and connectors

## BUSH INDUSTRIES

A/V furniture

## CAIG LABORATORIES

Media cleaning and maintenance

## CAMELOT TECHNOLOGY

Cables and connectors, cable armor, CD cleaning and maintenance

## CAMPAIGN AUDIO DESIGNS

Cables and connectors, spikes, feet

## CAN-AM

Media storage cabinets

## CANTON

Cables and connectors

## CARDAS

Cables and connectors

## CASE LOGIC

Media carrying cases

## CD PLAYRIGHT

CD and DVD maintenance and storage products

## CELLO

Cables and connectors, source selector

## CHANNEL MASTER

FM antennas, rotators

## CINEPRO

Power-line filters/enhancers

## COGNEO DESIGNS

CD carrying cases

## CREEK

Remote volume control

## CSI

Speaker selector

## CUSTOM CONNECTIONS

Cables and connectors

## DAVIDSON-WHITEHALL

CD storage shelves

## DB SYSTEMS

Cables and connectors, test CDs, phono products

## DENNESEN

Phono products

## DENON

MC cartridge pre-preamp, phono products

## DIC DIGITAL

Blank media

## DISCWASHER

Media cleaning and maintenance, media carrying cases, CD/cassette adapters

## DPA DIGITAL

Cables and connectors

## D.W.

ELECTROCHEMICALS

Contact-enhancing solution

## DYNACLEAR

Tube maintenance products, tweeter enhancer

## DYNAUDIO

Speaker stands

## EMERSON BY JASCO

Cables and connectors, CD cleaning/maintenance, FM antennas, media carrying cases, headphone extension kit, speaker stands

## ENTEC

Power-line filters/enhancers

## EPIC DESIGN STUDIOS

CD carrying cases, ID system for CDs

## ESOTERIC AUDIO

Cables and connectors

## ESOTERIC SOUND

Recorder switcher/selector

## EXPRESSIVE TECHNOLOGIES

Cables and connectors, phono products

## FUJI

Blank media

## FURNITUREWORKS

A/V furniture, speaker stands

## GENEVA

Cables and connectors, media cleaning and maintenance, media racks

## GEORGE KAYE

AUDIO LABS

Tube checker

## GERSHMAN ACOUSTICS

Acoustic treatments

## GOLDSTANDS

A/V furniture, speaker stands

## HARRISON LABORATORY

Noise limiters

## HY-Q ENTERPRISES

Media storage shelves

## ILLUMINATIONS

Cables and connectors

## IMMEDIA

Component maintenance, power-line conditioner

## INTERACTIVE LABS

Power strips

## J. A. MICHELL

Cables and connectors, phono products

## JENA LABS

Cables and connectors, laserdisc/LP sleeves

## JVC

Cables and connectors

## KAB ELECTRO ACOUSTICS

Media cleaning and maintenance; spikes, feet, and related products

## KENWOOD

Remote control, outboard RF demodulator

## KIMBER KABLE

Cables and connectors

## KONTAK

Interconnect cables, contact cleaner

## THE LAST FACTORY

Media cleaning and maintenance

## LAT INTERNATIONAL

A/V enhancements; cables and connectors; spikes, feet, and related products

## LEGACY AUDIO

Cables and connectors

## LESLIE DAME ENTERPRISES

A/V furniture, media racks

## LEXICON

Remote/system controllers

## LINDSAY AUDIOPHILE

Cables and connectors

## LINN

Cables and connectors

## LORAN

Blank media

## LORENTZ DESIGN

Media storage cabinets

## LOVAN

A/V furniture, speaker stands

## LUXMAN

Cables and connectors, switchboxes

## MAGNUM DYNALAB

FM antennas

## MARANTZ

Remote control

## MAXELL

Blank media, media cleaning and maintenance

## MBL

Speaker stands

## MERRILL AUDIO

Component racks

## MIT

Cables and connectors, power-line filters/enhancers

## mitsubishi

A/V furniture

## MOGAMI

Cables and connectors

## MONSTER CABLE

Cables and connectors, custom installation products, remote/system controls

## MOREL

Speaker stands

## MSB TECHNOLOGY

Acoustic-isolation plates, cables and connectors, digital switcher with coaxial-to-optical converter

## MTX

Speaker/amplifier selector

## MUSICAL CONCEPTS

Cables and connectors

## MUSICAL DESIGN

Cables and connectors

## MUSIC HALL

Component mounts

## NAIM

Cables and connectors

## THE NATURAL CHORD

Cables and connectors

## NCT AUDIO/GEKKO

Flat speaker wire

## NEWPOINT

Power-line conditioners/enhancers

## NILES AUDIO

Custom-installation products, remote/system controls

## NITTY GRITTY

Media cleaning and maintenance

## NORDOST

Cables and connectors

## OMNIMOUNT

Speaker-mounting systems

## ONKYO

Remote/system control

## OPUS THREE

Turntable mat

## ORTOFON

Phono products

## OSIRIS AUDIONICS

Component mounts, speaker stands

# Accessories Manufacturers

- PAC**  
Cables and connectors, power-line filters/enhancers
- PANAMAX**  
Power-line filters/enhancers, power strips
- PANAVISE**  
Speaker mounts
- PARASOUND**  
Cables and connectors, custom-installation products
- PARSEC**  
AM/FM antennas
- PARTICULAR CONTEMPORARY DESIGN**  
A/V furniture, CD racks
- PER MADSEN DESIGN**  
Media racks
- PFANTONE**  
Antenna, blank media, cables and connectors, media cleaning and maintenance, media carrying cases
- PHOENIX GOLD**  
Cables and connectors
- PIONEER**  
Blank media
- PIONEER ELECTRONICS TECHNOLOGY**  
Cables and connectors
- POLY CRYSTAL**  
A/V furniture, speaker stands
- PREMIER**  
A/V furniture, caster kit, cable-management kit, speaker stands
- PRISMA**  
Cables and connectors
- PROGRESSIVE STRUCTURES**  
Media racks, speaker stands, shelves
- PROLINE**  
Media cleaning and maintenance, media carrying cases
- RADIO SHACK**  
AM/FM antennas, blank media, cables and connectors, media cleaning and maintenance, media carrying cases, power strips, remote/system controls, speaker stands
- RANE**  
Signal balancer
- RECOTON**  
Blank media, cables and connectors, media cleaning and maintenance, media carrying cases
- RF-LINK**  
A/V remote extenders, remote control
- ROTEL**  
Custom-installation products, remote/system controls
- RUSSOUND**  
Remote/system controls, speaker selector
- SALAMANDER DESIGNS**  
Component shelves/mounts; speaker stands; spikes, feet, and related products
- SANUS SYSTEMS**  
A/V furniture, speaker stands
- SAUDER WOODWORKING**  
A/V furniture
- SHURE**  
Stylus tracking-force gauge
- SIGNAL GUARD**  
Component mounts
- SIMPLYPHYSICS**  
Component mounts
- SONANCE**  
Cables and connectors, remote volume controls, speaker selectors
- SONAX**  
CD racks
- SONY**  
Blank media, media cleaning/maintenance
- SORICÉ**  
A/V furniture
- SOUND ANCHORS**  
A/V furniture, video-monitor stands
- SOUNDOLIER**  
Remote/system control, speaker selector
- SOUND ORGANISATION**  
A/V furniture
- SOUNDSTREAM**  
Cables and connectors, remote/system controls
- STANDESIGN**  
A/V furniture, shelves, speaker stands
- STANTON**  
Media/component cleaning and maintenance
- STINGER**  
Cables and connectors
- STRAIGHT WIRE**  
Cables and connectors
- TDK**  
Blank media, media cleaning/maintenance, media carrying cases
- TAPERWIRE**  
Cables and connectors
- TARA LABS**  
Cables and connectors
- TENDERFEET**  
Spikes, feet, related products
- TERK TECHNOLOGIES**  
AM/FM antennas
- TICE AUDIO**  
Cables and connectors, power-line filters/enhancers
- TOWNSEND CABINETMAKERS**  
A/V furniture, media racks
- TRANSPARENT AUDIO**  
Cables and connectors, power-line filters/enhancers
- TRIBUTARIES**  
Cables and connectors
- VAC**  
Audio tubes
- VAMPIRE WIRE**  
Cables and connectors
- VOGEL'S**  
Speaker stands, wall mounts
- XANTECH**  
Custom-installation products
- XLO**  
Cables and connectors
- XS TECHNOLOGIES**  
Power-line conditioners/enhancers
- ZKD**  
Component stands/shelves; spikes, feet, and related products

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Miller & Kreisel Sound Corporation



# Speakers

## *No doubt about it — the most important audio component*

Speakers are personal. When it comes time to buy some, whether it's a stereo pair or a full-blown home-theater suite, you have to go with the ones whose sound you like. It won't help to tell you what brands and models I happen to like if you don't listen for the same things I do. But I can share few guidelines.

Shopping was a lot easier in the good old days of stereo, where you chose a pair of speakers and that was it. Most people today want a home-theater setup, and that means picking not only the front stereo pair but also a center-channel speaker, essential for convincing reproduction of movie dialogue; a pair of side or rear surround speakers, for ambient effects, low-flying helicopters, and the like; and a subwoofer, to extract the last drop of deep bass from all those rumbles, bangs, and booms.

Most speakers are variations on a few basic designs. Two-way speakers have a woofer and a tweeter; three-way speakers divide the frequencies between a woofer, a midrange driver, and a tweeter. Both types can deliver excellent sound. Most speaker enclosures are either sealed or ported (vented).

Some speakers are designed to "focus" their sound and use a vertical array of similar drivers to accomplish that. The simplest array consists of two similar woofers, one above and the other below a central tweeter. Such an arrangement spreads midrange sound in the horizontal plane and restricts its dispersion in the vertical plane. The idea is to provide smooth coverage over a wide listening area while minimizing the amount of sound reflected from the room's floor and ceiling. Reflected sound can interfere with the direct radiation at certain frequencies and places in the room, and thus "color" the sound. Front speakers for home theater certified by Lucasfilm as meeting its THX standards must have this type of radiation pattern.

Speaker design tends to be dominated by concerns over bass reproduction, and, as a general rule, powerful, clean, deep bass doesn't come in small packages. The laws of physics demand a tradeoff between a speaker's size, efficiency, distortion level, and bass extension. It takes a lot of air movement to produce high bass levels, and that means using either a large speaker cone, or woofer, or a number of smaller ones with an equiva-

lent total radiating area. You can get extended ("deep") bass from a small cone, but not *loud* deep bass that's free of distortion.

The size/bass tradeoff can be manipulated to advantage by venting or porting the enclosure ("vent" and "port" mean the same in this context), or by using a passive radiator, a cone that's driven by the air pressure in the box rather than electrically. Woofers radiate as much sound from the backs of their cones as from the fronts, but the rear-emanating sound waves are out of phase with the front ones. As the cone moves forward and compresses the air before it, there's a reduction in pressure behind it, and the opposite when the cone moves backward. Either way, the front and back waves are always moving in opposite directions, and if they meet, they cancel each other and there's no sound. A speaker enclosure keeps the woofer's front and back waves from canceling.

(Tweeters don't have this problem to the same degree because the wavelengths involved are much shorter.)

An acoustic-suspension enclosure is a sealed box that traps and absorbs the rear-directed sound energy. The trapped air also acts

like a spring behind the cone and helps reduce distortion, so such speakers tend to sound clean and tight. But since the rear energy is wasted, they also tend to be inefficient, especially small ones.

Vented or ported enclosures and passive radiators both make use of the rear energy. They are "tuned" to the woofer so that the energy radiated from the port or passive radiator emerges in phase with the direct sound. This works only over a relatively narrow band of frequencies. At very low frequencies, the port radiation again gets out of phase with the direct radiation and tends to cancel it, so a ported speaker's low-end response falls rapidly, which can make it sound a little resonant.

Ported speakers also tend to produce more distortion in the deep bass than acoustic-suspension speakers because cone motion becomes uncontrolled at very low frequencies. Nonetheless, ported speakers are popular because they can usually eke out more bass extension from a given size of box than an acoustic-suspension speaker.

It's not always necessary to use full-range speakers in a ste-



**BOSE ACOUSTIMASS 10 SYSTEM**

reo setup or for all four, five, or more channels in a home-theater system. Since it's difficult to localize bass sound, the bass frequencies from all of the other channels can be directed to one or more subwoofers, thus relieving the main speakers of that burden. Far smaller main speakers can then be used without impairing the overall response or power-handling ability of the system. In fact, the Dolby Digital format calls for at least one subwoofer to handle the LFE (low-frequency effects) channel — the “.1” in “5.1 channels” — so why not let it handle the bass from the main channels as well?

Subwoofers are designed to do only one job, and they usually do it well. Today, most subs are powered, meaning they have power amps built in and require nothing more than a line-level signal from your system. Most can sense the presence of an audio signal at the input and instantly “wake up”; when nothing's happened for a while, they go back into a low-power standby mode.

Powered subwoofers usually have an internal electronic crossover that routes the appropriate band of signals to the subwoofer and the balance to the main speakers. Invariably, there's also a gain control to match the subwoofer's sound level with that of the other speakers. The crossover should be adjustable over a fairly wide range — say, from 80 to 150 Hz. It's best to use as low a crossover setting as possible to minimize the chance that you'll be able to pinpoint the subwoofer's location by ear. You have to temper this caution with the capabilities of the other speakers, however. The lower the sub's crossover frequency, the more bass the main speakers will have to handle, and the larger they'll have to be.

Dipole speakers, recommended by Lucasfilm and others for surround-channel use, have drivers on both the front and back, and they radiate out-of-phase information in both directions. That's a no-no if you want appreciable bass output, but Lucasfilm does not expect surround speakers to have extended bass response (the subwoofer will handle that). It does, however, want

them to produce a diffuse soundfield. Dipole speakers produce an acoustic “null” (no sound) midway between their front and back surfaces. They're meant to be placed so that the viewing position lies in that null and the listener can't hear any direct

sound from them, only sound that has been reflected around the room. They are typically designed to be mounted on the side walls, with one set of drivers facing the front of the room and the other set facing the back.

Not everyone agrees that dipoles are a good idea, especially when it comes to 5.1-channel soundtracks that have significant full-range information in all five main channels. Therefore, some people prefer monopole (ordinary) or bipole speakers for this application. Bipole speakers have drivers on both front and rear just like dipoles, but a bipole's drivers are wired so that their radiation is in phase. The radiation pattern is more spherical than that of other speakers, and their proponents find that attractive. Bipoles, however, are usually even more affected by room acoustics and placement in the room than other types of speakers.

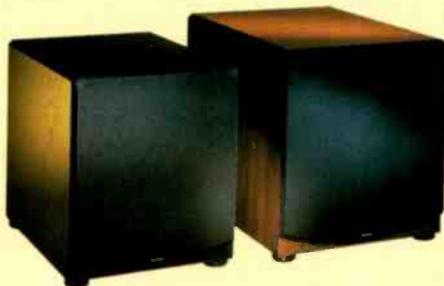
I've discussed only the most basic types of speakers. Electrostatic and planar-magnetic speakers, for instance, which eschew round drivers for large ribbons and panels, have strong followings. The emerging flat-panel category, where the speaker can be hung on the wall like a painting, shows promise. There are also in-wall and ceiling speakers. In the past, these tended to offer mediocre sound at best, but the boom in custom home-theater installation has spurred some of the better manufacturers to raise the standard. Outdoor speakers is another up and coming category. These can offer decent sound in weatherproof enclosures, and they can take on imaginative forms — there are dozens of listings in the following pages for speakers meant to look like rocks, moss-encrusted and otherwise.

No matter what kind of speaker you buy, though, I can only repeat what I said at the beginning: trust your ears. Your best bet is to shop for speakers at an audio/video specialty store where the dealer will let you audition various speakers at home — or at least return any purchases you're unhappy with for credit or exchange. If you can only listen at the store, though, bring along a couple of CDs you know well, and have the dealer play them at a volume you're comfortable with. If you take your time and listen carefully, you'll find the speakers that are right for you.

— Edward J. Foster



NILES OS-20



PARADIGM POWERED SUBS

couple of CDs you know well, and have the dealer play them at a volume you're comfortable with. If you take your time and listen carefully, you'll find the speakers that are right for you.

e:XL<sup>TM</sup>  
S E R I E S

"EXPOSED"

FOR WHAT WE TRULY ARE

**ENERGY**  
LOUDSPEAKERS  
MUSICAL TRUTH<sup>TM</sup>

*Energy® high performance in a sleek, new, hi-tech profile. Exposed for the world to see.*

e:XL™ Series



e:XL 26



e:XL 25



e:XL 16

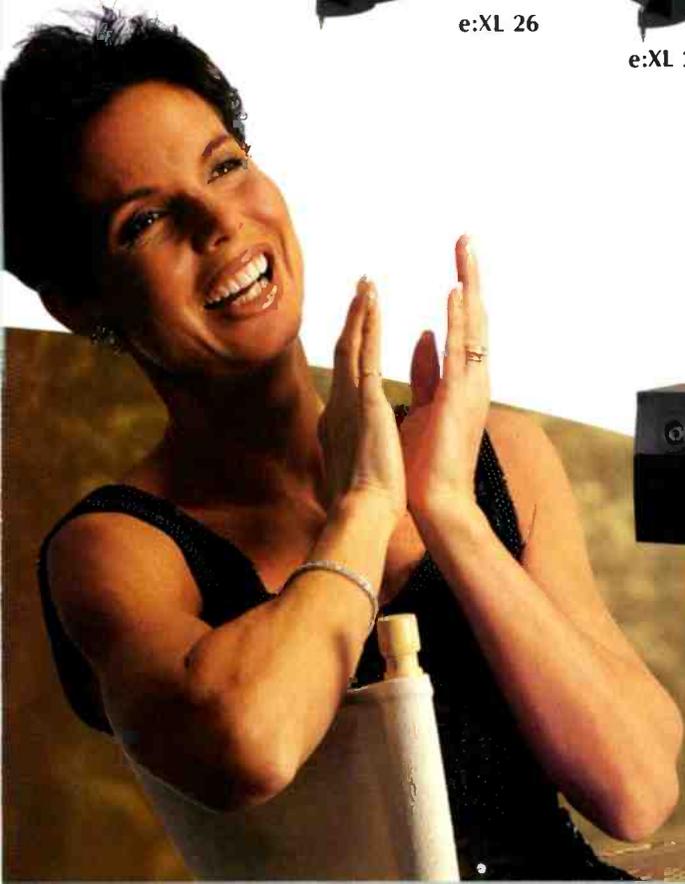


e:XL 15

e:XL rear



e:XL center channel



# *Not for those shy about wanting an extraordinary sound experience.*

Prepare yourself for a high performance sonic encounter. Incredibly accurate, musical and totally transparent, the all new "e:XL™ Series" from Energy® Loudspeakers is a radical departure in speaker design, where high-fashion meets hi-tech.

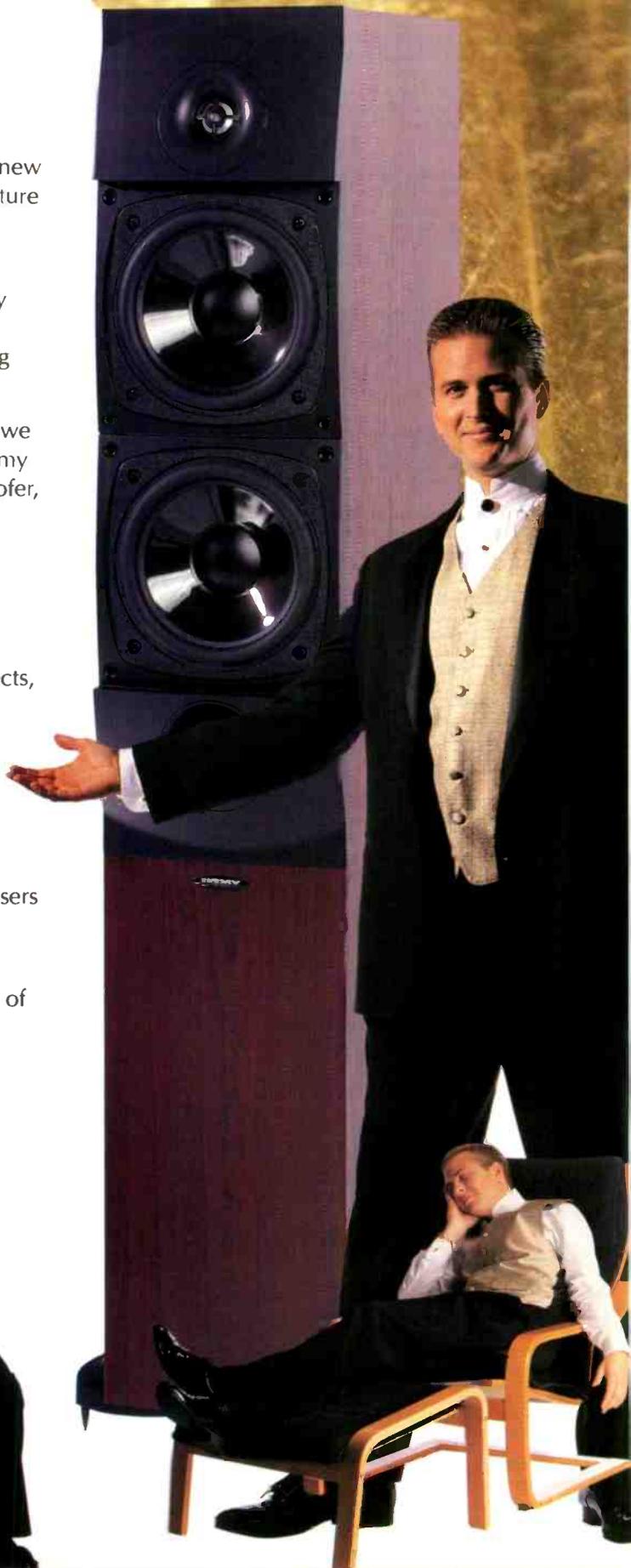
It all starts with the computer-designed e:XLite™ baffle technology, where Energy® engineers introduce a proprietary composite copolymer, to create an extraordinary baffle structure. One that is impressive for its light weight, amazing rigidity and resistance to resonance.

Our killer new look is more than just a pretty face, it's how we improve dispersion and combat distortion, the absolute enemy of great sound. The "e:XL™ Series" uses all new tweeter, woofer, baffle and cabinet construction technologies to virtually eliminate its causes.

The result is sound that is an absolutely accurate reflection of the recording—natural highs, rich mid-range, and deep, rhythmic bass. Add to this the benefit of wide dispersion for a more realistic sound stage where characters, or sound effects, appear in their proper place.

Naturally, for home theater lovers, this powerful, magnetically shielded line also features a center channel and rear speakers making the assembly of completely timbre matched systems suited to any application, a snap. The "e:XL™ Series" is easy to drive and compatible with all quality audio/video receivers and amplifier/processors featuring Dolby Pro Logic™, Dolby® Digital Surround™ and DTS™.

The bottom line. Never before has this level of high performance sound looked so good — at such an attractive price!



# Speakers

## ABSTRACT ACOUSTICS

### ASX-PRO.1500 3-Way Speaker

Bass-reflex design with 15-in side-firing polypropylene woofer, 6½-in polypropylene midrange, and 1-in silk-dome tweeter. Power handling 300 W rms; FR 35 Hz-20 kHz; sens 91 dB; imp 4 ohms. 19 x 40 x 12 in .....\$1,250/pr

### ASX-PRO.800 4-Way Speaker

Bass-reflex design with two 12-in fiber woofers, one 5-in fiber midrange, and one ¾-in ferrofluid-cooled titanium-laminate-dome tweeter. Built-in integral subwoofer. Power handling 300 W rms; FR 35 Hz-20 kHz; sens 91 dB; imp 8 ohms. 14½ x 40 x 12½ in .....\$800/pr

### ASX-PRO.400 3-Way Speaker

Bass-reflex design with 12-in fiber woofer, 5-in fiber midrange, and ¾-in ferrofluid-cooled titanium laminate-dome tweeter. Hybrid MDF cabinet. Power handling 150 W rms; FR 35 Hz-20 kHz; sens 92 dB; imp 8 ohms. 14½ x 32 x 12½ in .....\$450/pr

### Model 102DIII 3-Way Speaker

Two 8-in woofers and one ¾-in dome tweeter. Power handling 150 W rms; FR 35 Hz-20 kHz; sens 90 dB; imp 8 ohms. 15¼ x 36 x 10 in .....\$450/pr

### ASX-PRO12.SUB Powered Subwoofer

12-in front-firing PVA treated woofer; 100-W amp. Variable crossover. MOSFET output. Auto on/off; soft turn-on. FR 30-150 Hz. 14½ x 20 x 15 in .....\$429

### ASX-PRO.120 3-Way Speaker

Bass-reflex design with 10-in polypropylene woofer, 5-in fiber midrange, and ¾-in dome tweeter. Hybrid MDF cabinet. Power handling 125 W rms; Sens 91 dB; imp 8 ohms. 12½ x 30 x 12½ in .....\$350/pr

### Model 101DII 2-Way Speaker

8-in polypropylene woofer with passive radiator and ¾-in dome tweeter. Power handling 100 W rms; FR 40 Hz-20 kHz; sens 89 dB; imp 8 ohms. 12 x 32 x 10½ in .....\$280/pr

### ASX-PRO50A/V 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in woofer and ¾-in ferrofluid-cooled hard-polymer tweeter. Mirror-image alignment; magnetic shielding. Power handling 70 W rms; FR 60 Hz-20 kHz; sens 90 dB; imp 8 ohms. 11¼ x 8 x 8½ in .....\$259/pr

### CCD-100 2-Way Center-Channel Speaker

Dual 4½-in polypropylene woofers and one ¾-in tweeter. Spring connectors and resonance-free MDF cabinet. Power handling 100 W; FR 55 Hz-20 kHz; sens 88 dB; imp 8 ohms. 6 x 17 x 7½ in .....\$149

### Micro-Monitor 2-Way Satellite Speaker

4-in woofer and ½-in ferrofluid-cooled dome tweeter. Molded enclosure. Includes speaker wire and mounting brackets. Power handling 60 W max; FR 55 Hz-20 kHz; sens 88 dB; imp 8 ohms. 4½ x 7¼ x 4½ in .....\$120/pr

### Micro-Center 2-Way Center-Channel Speaker

Dual 4-in polypropylene woofers and one ¾-in tweeter. Molded enclosure. Power handling 80 W max; FR 80 Hz-18 kHz; sens 88 dB; imp 8 ohms. 14½ x 5 x 5 in .....\$110

## ACOUSTIC ENERGY

### AE520 3-Way Speaker

Bass-reflex design with two 5¼-in metal-cone woofer, one 5¼-in metal-cone midrange, and one 1-in silk-dome tweeter. ¾-in MDF cabinet; magnetic shielding. Biampable terminals. Includes plinth base with cast-alloy spikes. Power handling 225 W. Black, antique, or Georgian ash. 5-yr parts-and-labor warranty .....\$2,799/pr  
**AE509.** As above, one 5¼-in metal-cone woofer. Power handling 200 W .....\$2,199/pr

### AE505 2-Way Speaker

Bass-reflex design with 5¼-in metal-cone woofer

and 1-in silk-dome tweeter. ¾-in MDF cabinet; magnetic shielding. Biampable terminals. Includes plinth base with cast-alloy spikes. Power handling 125 W. Black, antique, or Georgian ash. 5-yr parts-and-labor warranty .....\$1,799/pr

### AE108S Powered Subwoofer

12-in woofer; 150-W amp. Speaker- and line-level inputs and outputs. Variable crossover; volume control; phase switch. Includes splks. FR 35-150 Hz ±3 dB. Black vinyl. 5-yr parts-and-labor warranty. 19¼ x 15 x 15 in; 46 lb .....\$599

### Reference Series

*The following use a bass-reflex design, have Teflon-insulated, twisted-pair, silver-plated OFC wiring, and carry a 5-year warranty. Unless otherwise noted, they have a 1-inch ferrofluid-cooled/damped magnesium-alloy dome tweeter.*

### AE5 4-Way Speaker

Two 5¼-in tri-layer alloy woofers with 1¼-in edge-wound ribbon voice coils, two 5¼-in tri-layer alloy midbass drivers with 1¼-in edge-wound ribbon voice coils, and two 5¼-in tri-layer alloy midranges with 1¼-in edge-wound ribbon voice coils. Triampable terminals. Includes metal plinth with hardened steel spikes. Power handling 250 W; FR 35 Hz-25 kHz ±2 dB; sens 91 dB; imp 6 ohms. Santos rosewood. 8¼ x 43¼ x 13¼ in; 95 lb .....\$14,995/pr

### AE2 Series II 2-Way Bookshelf Speaker

Two 5¼-in tri-layer alloy woofers with 1¼-in edge-wound ribbon voice coils. Biampable terminals. Power handling 250 W; crossover point 4 kHz; FR 50 Hz-17 kHz ±2.5 dB; sens 90 dB; imp 6 ohms. Piano black. 9¼ x 15¼ x 13 in; 38 lb .....\$3,995/pr  
 As above, Santos rosewood .....\$3,695/pr  
 Black, antique, or Georgian ash .....\$2,795/pr  
**ST-AE2.** Stands for above .....\$1,495/pr

### AE1 Series II 2-Way Bookshelf Speaker

5¼-in tri-layer alloy woofer with one 1¼-in edge-wound ribbon voice coil. Biampable terminals. Power handling 200 W; crossover point 3 kHz; FR 65 Hz-22 kHz ±3 dB; sens 89 dB; imp 8 ohms. Piano black. 7¼ x 11¼ x 10 in; 18 lb .....\$2,595/pr  
 As above, Santos rosewood .....\$2,395/pr  
 As above with black, antique, or Georgian ash finish .....\$1,995/pr  
**ST-AE1.** Stands for above .....\$995/pr

### Signature Series

*The following use a bass-reflex design and a 1-inch ferrofluid-cooled/damped soft-fabric-dome tweeter. They have Teflon-insulated silver wiring, biampable terminals, and a Santos rosewood or piano black finish, and carry a 5-year warranty.*

### AE2 Signature 2-Way Bookshelf Speaker

Two 5¼-in tri-layer alloy woofers with one 1¼-in edge-wound ribbon voice coil. Power handling 250 W; crossover point 4 kHz; FR 50 Hz-17 kHz ±1.5 dB; sens 90 dB; imp 6 ohms. 9¼ x 15¼ x 13 in; 51 lb .....\$6,995/pr  
**ST-AE2.** Stands for above .....\$1,495/pr

### AE1 Signature 2-Way Bookshelf Speaker

5¼-in tri-layer alloy woofer with 1¼-in edge-wound ribbon voice coil. Power handling 200 W; crossover point 3 kHz; FR 65 Hz-22 kHz ±2 dB; sens 88 dB; imp 8 ohms. 7¼ x 11¼ x 10 in; 27 lb .....\$4,395/pr  
**ST-AE1.** Stands for above .....\$995/pr

### 100 Series

*The following use a bass-reflex design, have a 1-inch ferrofluid-cooled/damped soft-fabric-dome tweeter and magnetic shielding, and carry a 5-year warranty.*

### AE120 3-Way Speaker

Two 5¼-in polymer-pulp woofers with 1¼-in voice coils and one 5¼-in polymer-pulp midrange with 1¼-in voice coil. ¾-in low-resonance MDF enclosure with full internal bracing and mass loading;

continuous crystal-copper conductors. Gold-plated triampable 2-way binding posts. Includes plinth base with hardened steel spikes. Power handling 150 W; crossover points 375 Hz and 3.2 kHz; FR 38 Hz-18 kHz; sens 89 dB; imp 8 ohms. Black ash, beech, or rosewood finish. 7¼ x 36¼ x 10½ in; 55 lb .....\$899/pr

### AE109 3-Way Speaker

5¼-in polymer-pulp woofer with 1¼-in voice coil and 5¼-in polymer-pulp midrange with 1¼-in voice coil. ¾-in low-resonance MDF enclosure with full internal bracing and mass loading. Gold-plated biampable 2-way binding posts. Includes plinth base and hardened steel spikes. Power handling 150 W; crossover points 300 Hz and 3 kHz; FR 55 Hz-18 kHz; sens 90 dB; imp 6 ohms. Black ash, beech, or rosewood finish. 7¼ x 33 x 9½ in; 44 lb .....\$599/pr

### AE100 2-Way Bookshelf Speaker

5¼-in polymer-pulp woofer with 1¼-in voice coil. Braced ¾-in low-resonance MDF enclosure; gold-plated 2-way binding posts. Biampable terminals. Power handling 100 W; crossover point 3 kHz; FR 75 Hz-18 kHz ±3 dB; sens 88 dB; imp 6 ohms. Black ash or rosewood finish. 7¼ x 11¼ x 9¼ in; 13 lb .....\$349/pr

### AE107C 2-Way Center-Channel Speaker

Two 5¼-in polymer-pulp woofers with 1¼-in voice coils. ¾-in low-resonance MDF enclosure. Gold-plated biampable 2-way binding posts. Power handling 150 W; crossover point 3.3 kHz; FR 65 Hz-20 kHz; sens 90 dB; imp 6 ohms. Black-vinyl finish. 17¼ x 6¼ x 8½ in; 18 lb .....\$249

## ACOUSTIC INTERFACE

*The following are also available in discounted packages of five or six speakers for home theater. All center-channel models are magnetically shielded. 12-year warranty for all speakers.*

### Sound Prism 3-Way Powered Speaker

24 x 52-in compression woofer driven by 18-in driver, 24-in-diameter constant-directivity compression-horn midrange, and 6½-in constant directivity compression horn tweeter; woofer amp rated at 800 W rms, midrange amp at 300 W rms, tweeter amp at 100 W rms. 24-dB/oct active crossover; 1¼-in thick compressed-wood cabinet; 2-in-thick concrete waveguide walls reinforced with glass and steel; fuse protection; tweeter-overload protection; over-voltage, over-current, thermal, clipping, and DC protection. Crossover points 550 Hz and 5 kHz; FR 10 Hz-20 kHz ±2 dB; sens 105 dB; imp 8 ohms. Walnut/bronze or oak/bronze finish. 27 x 80 x 36 in; 500 lb .....\$25,000  
 Center-channel version with 15-in woofer .....\$15,900  
 Satellite version with 15-in woofer .....\$15,500

### Sound Portal 3-Way Speaker

24 x 52-in compression woofer driven by 18-in driver, 24-in-diameter constant-directivity compression-horn midrange, and 6½-in diameter constant-directivity compression-horn tweeter. 24-dB/oct crossover; 1¼-in thick compressed-wood enclosure with internal bracing; 2-in-thick concrete waveguide walls reinforced with glass and steel; fuse protection; tweeter-overload protection. Midrange- and tweeter-level controls. Power handling 1,000 W rms; crossover points 550 Hz and 5 kHz; FR 15 Hz-20 kHz ±2.5 dB; sens 105 dB; imp 8 ohms. Walnut/bronze or oak finish. 27 x 80 x 36 in; 500 lb .....\$15,000  
 Center-channel version with 12-in woofer .....\$9,900  
 Satellite version with 12-in woofer .....\$9,500

### Studio Reference 3-Way Speaker

12-in woofer, 4 x 15-in compression-horn midrange, and 2 x 5½-in compression-horn tweeter. 24-dB/oct crossover; ¾-in-thick compressed-wood cabinet with 16 separate internal braces; fuse protection; tweeter-overload protection. Midrange- and tweeter-level controls. Power handling

# Speakers

750 W rms; crossover points 880 Hz and 5 kHz; FR 22 Hz-20 kHz  $\pm 2.5$  dB; sens 98 dB; imp 8 ohms. Walnut or oak finish. 16 x 60 x 14 in; 105 lb \$2,990  
In-wall version ..... \$2,290  
Center-channel version with 8-in woofer ... \$1,990  
Satellite version with 8-in woofer ..... \$1,940

## Tremor Powered Subwoofer

Bass-reflex design with two 12-in woofers; 250-W amp.  $\frac{3}{4}$ -in enclosure. RCA inputs and outputs. Level control. Crossover point 100 Hz; FR 29-200 Hz  $\pm 2.5$  dB; sens 95 dB; imp 8 ohms. Walnut or oak. 62 x 26 x 16 in; 150 lb ..... \$2,990  
As above, passive subwoofer. 12-gauge wire and banana connectors ..... \$1,790

## Professional III 4-Way Speaker

12-in woofer, 3-in dome midrange,  $\frac{1}{2}$ -in dome midrange, and  $\frac{3}{4}$ -in dome tweeter.  $\frac{3}{4}$ -in thick compressed-wood enclosure with 14 separate internal braces; fuse protection. Woofer-, midrange-, and tweeter-level controls. Power handling 600 W; crossover points 600 Hz, 2 kHz, and 6 kHz; FR 25 Hz-20 kHz  $\pm 2.5$  dB; sens 95 dB; imp 8 ohms. Walnut or oak. 16 x 48 x 14 in; 85 lb ..... \$1,990  
In-wall version with 10-in woofer ..... \$1,490  
Center-channel version with 8-in woofer ... \$1,240  
Satellite version with 8-in woofer ..... \$1,190

## Professional IIs 3-Way Speaker

12-in woofer, 2-in soft-dome midrange, and 1-in soft-dome tweeter. 6-dB/oct Butterworth crossover;  $\frac{3}{4}$ -in-thick compressed-wood enclosure with 12 separate internal braces; fuse protection. Midrange- and tweeter-level controls. Power handling 550 W rms; crossover points 800 Hz and 5 kHz; FR 29 Hz-20 kHz  $\pm 2.5$  dB; sens 95 dB; imp 8 ohms. Walnut or oak finish. 16 x 36 x 14 in; 85 lb ..... \$1,290  
In-wall version with 10-in woofer ..... \$890  
Center-channel version with 8-in woofer ..... \$790  
Satellite version with 8-in woofer ..... \$740

## Transcendent 2-Way Speaker

12-in woofer and  $\frac{1}{4}$ -in soft-dome tweeter. 6-dB/oct Butterworth crossover;  $\frac{3}{4}$ -in compressed-wood enclosure with internal bracing; fuse protection. Tweeter-level control. Power handling 500 W rms; crossover point 1.9 kHz; FR 38 Hz-20 kHz  $\pm 2.5$  dB; sens 94 dB; imp 8 ohms. Walnut or oak finish. 16 x 32 x 12 in; 51 lb ..... \$590  
In-wall version with 8-in woofer ..... \$490  
Center-channel version with  $\frac{6}{8}$ -in woofer ... \$390  
Satellite version with  $\frac{6}{8}$ -in woofer ..... \$340

## Intimate 2-Way Speaker

10-in woofer and 1-in soft-dome tweeter. 6-dB/oct Butterworth crossover;  $\frac{3}{4}$ -in-thick compressed-wood enclosure; fuse protection. Tweeter-level control. Power handling 400 W rms; crossover point 5 kHz; FR 49 Hz-20 kHz  $\pm 2.5$  dB; sens 93 dB; imp 8 ohms. Walnut or oak finish. 12 x 24 x 10 in; 32 lb ..... \$390  
In-wall version with 8-in woofer ..... \$340  
Center-channel version with  $\frac{6}{8}$ -in woofer ... \$290  
Satellite version with  $\frac{6}{8}$ -in woofer ..... \$240

## Angstrom 2-Way Bookshelf Speaker

$\frac{6}{8}$ -in woofer and 1-in soft-dome tweeter. 6-dB/oct Butterworth crossover;  $\frac{1}{2}$ -in-thick compressed-wood enclosure. Power handling 150 W rms; crossover point 5 kHz; FR 78 Hz-20 kHz  $\pm 2.5$  dB; sens 90 dB; imp 8 ohms. Walnut or oak finish.  $7\frac{1}{2}$  x  $12\frac{1}{2}$  x 6 $\frac{1}{2}$  in; 10 lb ..... \$240  
Center-channel version. Black ..... \$240  
In-wall version ..... \$220

## Shadow 2-Way Speaker

Cylindrical design with 8-in woofer and 1-in dome tweeter.  $\frac{3}{4}$ -in-thick resin enclosure with  $\frac{3}{4}$ -in-thick compressed-wood base; 6 dB/oct Butterworth crossover. Power handling 200 W rms; crossover point 5 kHz; FR 69 Hz-20 kHz  $\pm 2.5$  dB; sens 91 dB; imp 8 ohms. Black, brown, or white. 24 $\frac{1}{2}$ -in height x 8 $\frac{3}{4}$ -in diameter; 21 lb ..... \$240  
Center-channel version ..... \$260

## ACOUSTIC PROFILES

### PSL-88.7A/V 2-Way Speaker

Two 8-in woofers and 1-in ferrofluid-cooled dome tweeter. Power handling 220 W max; FR 25 Hz-20 kHz; sens 91 dB; imp 8 ohms. 10 x 40 x 15 in ..... \$700/pr

### DC-10.sub Powered Subwoofer

10-in carbon-fiber injection-molded woofer; 100-W amp. Discrete MOSFET output; variable crossover and high-pass outputs. Auto on/off; soft turn-on. FR 28-150 Hz. 12 $\frac{1}{2}$  x 18 x 16 in ..... \$429

### PSL-821A/V 2-Way Speaker

8-in woofer and  $\frac{3}{4}$ -in ferrofluid-cooled dome tweeter. Hybrid MDF construction; mirror-imaging; natural fiber insulation. Power handling 100 W max; FR 30 Hz-20 kHz; sens 91 dB; imp 4 ohms. 10 x 32 x 8 in ..... \$360/pr

### DC-8.sub Powered Subwoofer

8-in polypropylene-cone woofer with rubber surround; 100-W amp. Discrete MOSFET output; variable crossover and high-pass outputs. Auto on/off; soft turn-on. FR 35-150 Hz. 10 $\frac{1}{2}$  x 15 x 16 in ..... \$359

### PSL-C200 3-Way Center-Channel Speaker

Two  $\frac{4}{8}$ -in polypropylene woofers, two  $\frac{4}{8}$ -in polypropylene midranges, and one 1-in ferrofluid-cooled linen-dome tweeter. Acoustically isolated midrange. Power handling 140 W; FR 40 Hz-20 kHz; sens 88 dB; imp 8 ohms. 6 x 22 x 8 $\frac{1}{2}$  in ..... \$330

### PSL-C20 3-Way Center-Channel Speaker

Dual-ported bass-reflex design with two  $\frac{4}{8}$ -in polypropylene woofers, one 3-in polypropylene midrange, and two  $\frac{3}{4}$ -in ferrofluid-cooled hard polymer-dome tweeters. Power handling 100 W; FR 50 Hz-20 kHz; sens 89 dB; imp 8 ohms. 6 x 19 x 8 $\frac{1}{2}$  in ..... \$250

### MSL-2A/V 2-Way Bookshelf Speaker

Point-source design with  $\frac{6}{8}$ -in polypropylene woofer and  $\frac{3}{4}$ -in ferrofluid-cooled dome tweeter. Optimally contoured sculptured baffle; elongated port diffuser. Power handling 110 W max; FR 40 Hz-20 kHz; sens 88 dB; imp 8 ohms. 8 $\frac{1}{2}$  x 14 x 7 $\frac{1}{4}$  in ..... \$230/pr

### PSL-C3 2-Way Center-Channel Speaker

Dual  $\frac{4}{8}$ -in polypropylene woofers and one  $\frac{3}{4}$ -in tweeter. Spring connectors and resonance-free MDF cabinet. Power handling 100 W; FR 55 Hz-20 kHz; sens 88 dB; imp 8 ohms. 6 x 17 x 7 $\frac{1}{2}$  in ..... \$199

### PSL-0.5ctr 2-Way Center-Channel Speaker

Dual 4-in polypropylene woofers and one  $\frac{3}{4}$ -in tweeter. Molded enclosure. Power handling 80 W max; FR 80 Hz-18 kHz; sens 88 dB; imp 8 ohms. 14 $\frac{1}{2}$  x 5 x 5 in ..... \$180

### PSL-0.5 2-Way Satellite Speaker

4-in woofer and  $\frac{3}{4}$ -in ferrofluid-cooled dome tweeter. Molded enclosure. Includes speaker wire and mounting brackets. Power handling 60 W max; FR 55 Hz-20 kHz; imp 8 ohms. 4 $\frac{1}{2}$  x 7 $\frac{1}{4}$  x 4 $\frac{1}{2}$  in ..... \$120/pr

## ACOUSTIC RESEARCH

### The Leading Edge Subwoofer/Satellite System

6-speaker package with one 12-in subwoofer and five Edge satellites, all powered by an integrated electronics package located in the subwoofer; Dolby Digital decoder. 2 digital inputs; 2 analog inputs. On-screen TV display; infrared remote control. Power handling 450 W. 22 x 30 x 22 in; 65 lb ... \$1,999

### The Cutting Edge Subwoofer/Satellite System

6-speaker package with one 10-in subwoofer and five Edge satellites, all powered by an integrated electronics package in subwoofer section; Dolby Pro Logic decoder. 3 analog inputs. On-screen TV display; infrared remote control. Power handling 200 W. 19 $\frac{1}{2}$  x 25 x 17 $\frac{1}{2}$  in; 47 lb ..... \$999

### 216PS 2-Way Speaker

Bass-reflex design with  $\frac{6}{8}$ -in woofer and 1-in horn-loaded tweeter. FR 70 Hz-20 kHz  $\pm 3$  dB, sens 88

dB; 4 ohms. Black woodgrain vinyl finish. 8 $\frac{1}{2}$  x 14 $\frac{1}{2}$  x 9, 16 lb ..... \$299/pr

### The Edge 2-Way Speaker

Bass-reflex design with  $\frac{4}{8}$ -in woofer and  $\frac{3}{4}$ -in dome tweeter. Magnetic shielding. Power handling 20 W min, 150 W max; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. Black knit grille; black or white finish. 10 x 7 x 7 in; 14 lb ..... \$279/pr

### The Edge Sequel 2-Way Speaker

Bass-reflex design with  $\frac{4}{8}$ -in woofer and 1-in tweeter. Magnetic shielding. Includes wall-mount bracket. Power handling 20 W min, 150 W max; crossover point 4.2 kHz; FR 120 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. Black or white. 5-yr limited warranty. 5 $\frac{1}{2}$  x 7 $\frac{1}{2}$  x 4 $\frac{1}{2}$  in; 8 lb ..... \$149/pr

## High Output Series

### Model 312 HO 3-Way Speaker

Bass-reflex design with one 12-in woofer, two  $\frac{5}{8}$ -in cone midranges, and one 1-in dome tweeter. Magnetic shielding. Power handling 250 W; FR 30 Hz-20 kHz  $\pm 2$  dB; sens 97 dB; imp 8 ohms. Black knit grille; black, maple, or cherry finish. 44 x 11 x 19 in; 148 lb ..... \$1,199/pr

**Model 310 HO.** As above with one 10-in woofer. Power handling 25 W min, 200 W max; FR 35 Hz-20 kHz  $\pm 2$  dB; sens 95 dB. 37 x 10 x 17 in; 114 lb ..... \$899/pr

**Model 308 HO.** As above with one 8-in woofer and one  $\frac{5}{8}$ -in cone midrange. Power handling 25 W min, 200 W max; FR 50 Hz-20 kHz  $\pm 2$  dB; sens 92 dB. 19 x 8 x 12 in; 60 lb ..... \$649/pr

### S 12 HO Powered Subwoofer

Bass-reflex design with 12-in woofer; amp rated at 140 W rms. FR 20-200 Hz; imp 8 ohms. Black knit grille; black finish. 16 x 16 x 16 in; 50 lb ..... \$549

**S 10 HO.** As above with one 10-in woofer; amp rated at 70 W rms. FR 35-200 Hz. 14 x 15 x 15 in; 42 lb ..... \$439

**S 8 HO.** As above with one 8-in woofer; amp rated at 50 W rms. FR 40-200 Hz. 13 x 13 x 13 in; 28 lb ..... \$329

### Model 208 HO 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in dome tweeter. Magnetic shielding. Power handling 200 W; crossover point 2.5 kHz; FR 50 Hz-20 kHz  $\pm 3$  dB; sens 92 dB; imp 8 ohms. Black knit grille; black, maple, or cherry finish. 18 x 10 x 13 in; 52 lb ..... \$449/pr

**Model 206 HO.** As above with one  $\frac{6}{8}$ -in woofer and one  $\frac{3}{4}$ -in dome tweeter. Power handling 25 W min, 125 W max; crossover point 3 kHz; FR 55 Hz-20 kHz  $\pm 3$  dB; sens 91 dB. 14 x 8 x 9 in; 30 lb ..... \$249/pr

### CS 25 HO 2-Way Surround Speaker

Bass-reflex design with two  $\frac{5}{8}$ -in cone midranges and one 1-in dome tweeter. Magnetic shielding. Power handling 25 W min, 200 W max; FR 80 Hz-20 kHz  $\pm 2$  dB; sens 94 dB; imp 8 ohms. Black knit grille; black finish. 17 lb ..... \$279

## A/D/S/

### MS4/u Powered Subwoofer

12-in copolymer woofer; amp rated at 250 W rms. Computer-optimized bandpass cabinet; active servo amp control; independently selectable low- and high-pass filters with 24 dB/oct slopes. Magnetic shielding; auto turn on; continuously variable phase control for low-pass filter. FR 17-100 Hz  $\pm 3$  dB. Black finish ..... \$1,350

**MS3/u.** As above, 10-in copolymer woofer; amp rated at 150 W rms. FR 20-100 Hz  $\pm 3$  dB ... \$1,200

### MS2/u Powered Subwoofer

8-in copolymer woofer; amp rated 85 W rms.  $\frac{3}{4}$ -in thick computer-optimized bandpass cabinet; low-pass filter at 100 Hz; line-level high-pass filter at 100 Hz with selectable 6 or 18 dB/oct slope; speaker-level high-pass filter at 130 Hz with 6 dB/oct slope. Polarity-reverse switch. FR 30-100 Hz  $\pm 3$  dB. Black finish ..... \$750

**MS1/u.** As above, 7-in copolymer woofer; amp rated at 65 W rms. FR 38-100 Hz  $\pm 3$  dB ..... \$650

# Speakers

## L400e 2-Way Speaker

6½-in copolymer woofer and 1-in copolymer-dome tweeter. Wood cabinet; magnetic shielding. Wall-mount bracket optional. Power handling 100 W; FR 60 Hz-20 kHz ±3 dB; sens 90 dB; imp 4 ohms. Black or white finish .....\$599/pr

## C400i/s 2-Way In-Wall Speaker

6½-in woofer and 1-in dome tweeter. Multi-element crossover network. Adjustable tweeter level. Power handling 100 W; FR 42 Hz-20 kHz ±3 dB; sens 91 dB; imp 4 ohms. Paintable .....\$499/pr

## L310/aw 2-Way Speaker

5¼-in copolymer woofer and 1-in copolymer-dome tweeter. All-weather, antiresonant cast-aluminum cabinet. Includes wall-mounting bracket. Power handling 75 W; FR 68 Hz-20 kHz ±3 dB; sens 90 dB; imp 4 ohms. Black or white finish .....\$499/pr

## L310/v 2-Way Speaker

Acoustic-suspension design with 5¼-in copolymer woofer and 1-in copolymer dome tweeter. Antiresonant cast-aluminum chassis; magnetic shielding. Includes mounting brackets. Power handling 75 W; FR 68 Hz-20 kHz; sens 90 dB; imp 4 ohms. Black or white .....\$499/pr

## AVF144 2-Way Center-Channel Speaker

Two 4-in copolymer woofers and one 1-in copolymer-dome tweeter. Magnetic shielding. Includes bracket for wall mounting and stand for TV top. Power handling 100 W; FR 70 Hz-23 kHz ±3 dB; sens 89 dB; imp 8 ohms .....\$449

## C300i/s 2-Way In-Wall Speaker

5¼-in woofer and 1-in dome tweeter. Multi-element crossover network. Adjustable tweeter level. Power handling 100 W; FR 50 Hz-20 kHz ±3 dB; sens 90 dB; imp 4 ohms. Paintable .....\$399/pr

## L210 2-Way Speaker

4-in copolymer woofer and 1-in copolymer-dome tweeter. All-weather, cast-aluminum cabinet. Magnetic shielding. Includes mounting bracket. Power handling 50 W; FR 85 Hz-20 kHz ±3 dB; sens 88 dB; imp 4 ohms. Black or white finish .....\$399/pr

## R80i/c 2-Way Ceiling Speaker

Infinite-baffle design with 3-in copolymer woofer and 1-in copolymer soft-dome tweeter. Tweeter-level control. Includes templates and mounting software. Power handling 90 W; FR 50 Hz-20 kHz; imp 4 ohms. Paintable white finish. Round frame. Mounting diameter: 10 in. Mounting depth 2½ in .....\$200

## R60i/c 2-Way Ceiling Speaker

Infinite-baffle design with 6½-in copolymer woofer and 1-in soft-dome tweeter. Tweeter-level control. Includes templates and mounting software. Power handling 90 W; crossover point 3.5 kHz; FR 60 Hz-20 kHz; sens 91 dB; imp 4 ohms. Paintable white finish. Round frame. Mounting diameter: 8½ in. Mounting depth 2½ in .....\$180

## R50i/c 2-Way Ceiling Speaker

5¼-in woofer and 1-in dome tweeter. Multi-element crossover network. Power handling 75 W; FR 70 Hz-20 kHz ±3 dB; sens 90 dB; imp 4 ohms. Round frame .....\$149

## Music/Video Series

### MV80 3-Way Speaker

Three 7¼-in woofers, two 1½-in midranges, and one 1-in tweeter. MTM array for controlled dispersion. Power handling 200 W; FR 36 Hz-20 kHz ±3 dB; sens 89 dB; imp 4 ohms .....\$2,800/pr

### MV60 2-Way Speaker

Two 7¼-in woofers and two 1-in dome tweeters. 2½-way crossover design; nonlobing tweeter array for controlled dispersion. Power handling 160 W; FR 42 Hz-20 kHz ±3 dB; sens 89 dB; imp 4 ohms\$2,200/pr

### MV40 2-Way Speaker

Three 6½-in woofers and one 1-in dome tweeter.

2½-way crossover design; drivers in symmetrical array for controlled dispersion. Power handling 150 W; FR 45 Hz-20 kHz ±3 dB; sens 89 dB; imp 4 ohms .....\$1,700/pr

### MV30 2-Way Speaker

Two 6½-in woofers and one 1-in dome tweeter. Drivers in symmetrical array for controlled dispersion. Power handling 125 W; FR 49 Hz-20 kHz ±3 dB; sens 88 dB; imp 4 ohms .....\$1,200/pr

### MV15/s 3-Way Dipolar Speaker

Dipolar acoustic-suspension design with one 5¼-in woofer, two 4-in midranges, and two copolymer tweeters. Biampable terminals. Dipole/bipole selector switch. Includes all mounting software. Power handling 100 W; FR 68 Hz-20 kHz; sens 90 dB; imp 4 ohms. Black or white .....\$1,100/pr

### MV20/u 3-Way Speaker

Two 7¼-in woofers, two 1½-in dome midranges, and one 1-in dome tweeter. MTM array for controlled dispersion. Power handling 175 W; FR 52 Hz-20 kHz ±3 dB; sens 89 dB; imp 4 ohms .....\$900

### MV10/c 2-Way Center-Channel Speaker

Two 6½-in woofers and two 1-in dome tweeters. Nonlobing tweeter array for controlled dispersion; base allows speaker to be tilted up or down. Power handling 100 W; FR 52 Hz-20 kHz ±3 dB; sens 88 dB; imp 4 ohms .....\$600

## ADP

The following use an internally braced cabinet made of veneered ¾-inch particleboard. All systems have a series crossover network and carry a 30-day in-home trial period and 3-year limited warranty.

### Bi-Polar Series II 4-Way Speaker

Omnidirectional design with four 8-in woofers, four 4½-in polypropylene midranges, one 1¼-in dome tweeter, and one ¾-in dome supertweeter. Pedestal cabinet; ferrofluid tweeter and midrange cooling; 12-dB/oct crossover. Biampable terminals. Power handling 500 W; crossover points 1, 5, and 12 kHz; FR 40 Hz-28 kHz ±2 dB; sens 94 dB; imp 6 ohms. Oak or walnut-veneer sides, pedestal, and base; black formica-slate top. 55½ x 30 x 6 in; 180 lb .....\$16,000/pr

### Bi-Polar Series II Powered Subwoofer

Tuned-port design with four 10-in woofers in 2 separate chambers; amp rated at 200 W x 2. Crossover point 90 Hz; FR 24-90 Hz; sens 94 dB; imp 6 ohms. Pedestal cabinet in oak or walnut veneer with black formica-slate top. 55½ x 20 x 28 in; 300 lb .....\$10,500/pr

### Campanile II Plus 4-Way Speaker

Tuned-port design with 15-in woofer, two 10-in long-throw woofers, one 8-in ferrofluid-cooled midrange, and one 1-in ferrofluid-cooled silk-dome tweeter. Midrange- and tweeter-level controls. Power handling 200 W; crossover points 70 Hz, 300 Hz, and 2.5 kHz; FR 22 Hz-22 kHz; sens 93 dB; imp 4 ohms. Oak- or walnut-veneer top with solid trim; black pedestal; veneer base; cabinet wrapped in black or brown cloth. 59 x 14 x 20 in; 165 lb .....\$6,000/pr

### Campanile II 3-Way Speaker

Tuned-port design with two 10-in long-throw woofers, one 8-in ferrofluid-cooled midrange in open-back isolation chamber, and one 1-in ferrofluid-cooled silk-dome tweeter. Midrange- and tweeter-level control. Power handling 200 W; crossover points 300 Hz and 2.5 kHz; FR 32 Hz-22 kHz ±3 dB; sens 93 dB; imp 4 ohms. Oak or walnut-veneer top with solid trim; black pedestal; veneer base; cabinet wrapped in black or brown cloth. 49 x 13 x 20 in; 130 lb .....\$4,500/pr

**Campanile I.** As above, two 8-in woofers, one 4½-in polypropylene-treated-cone midrange, and one silk-dome tweeter. Power handling 100 W; cross-

over points 900 Hz and 6 kHz; FR 38 Hz-22 kHz ±3 dB; sens 92 dB; imp 4 ohms. Oak or walnut-veneer top with solid-oak or walnut trim; black base. 36 x 13 x 13 in; 95 lb .....\$3,000/pr

### Zigurat 3-Way Speaker

Tuned-port design with 12-in woofer, 4½-in ferrofluid-cooled polypropylene-treated cone midrange in isolation chamber, and 1-in ferrofluid-cooled silk-dome tweeter. Time-aligned sloping front-baffle; pedestal cabinet. Midrange- and tweeter-level control. Power handling 150 W; crossover points 900 Hz and 6 kHz; FR 32 Hz-22 kHz ±2 dB; sens 91 dB; imp 6 ohms. Oak- or walnut-veneer cabinet; black-slate top. 41 x 18 x 16 in; 150 lb .....\$4,000/pr

### Monolith 12P Powered Subwoofer

Tuned-port design with 12-in woofer; 200-W amp. Designed for use with Campanile I or II. Amp-level control. Crossover point 150 Hz; FR 28-150 Hz ±3 dB; sens 91 dB; imp 6 ohms. Oak- or walnut-veneer top; black base; cabinet wrapped in black or brown grille cloth. 22 x 20 x 20 in; 130 lb .....\$2,500/pr

### Cornerstone 2-Way Bookshelf Speaker

Two 4½-in polypropylene-treated woofers and one 1-in silk-dome tweeter. Power handling 40 W; crossover point 6 kHz; FR 120 Hz-22 kHz ±3 dB; sens 94 dB; imp 4 ohms. Oak- or walnut-veneer top and base; cabinet wrapped in black or brown grille cloth. 18 x 7½ x 12 in; 38 lb .....\$600/pr

**Cornerstone Plus 2-Way Powered Bookshelf Speaker.** As above, 60-W amp. Magnetic shielding. 48 lb .....\$1,000/pr

### Model Q Round Subwoofer

Cylinder cabinet with 12-in woofer. Power handling 150 W; crossover point 150 Hz; FR 28-150 Hz ±3 dB; sens 92 dB; imp 8 ohms. Cabinet wrapped in brown or black cloth; simulated slate or marble top. 24-in diameter x 18-in height; 45 lb .....\$595

## ADVENT

### QRTZ2 Subwoofer/Satellite System

3-piece system featuring powered subwoofer with 8-in long-throw woofer in bandpass enclosure; 2 magnetically-shielded satellites, each with 4-in long-throw polypropylene midrange and ½-in ferrofluid silver-dome tweeter. Line-level inputs and outputs. Remote control. Power handling 85 W rms; crossover point variable from 45-150 Hz; FR 42 Hz-21 kHz system; sens 88 dB. Oak accents. 8½ x 5½ x 4 in .....\$499

### Jade 2-Way Speaker

Bass-reflex design with 8-in long-throw polypropylene woofer and 1-in dome tweeter. Power handling 125 W rms; FR 43 Hz-21 kHz ±3 dB; imp 8 ohms. Solid-oak accent with textured black vinyl over dense fiberboard. 9½ x 35 x 9¼ in; 28 lb .....\$449/pr

### AV570 2-Way Powered Computer Speaker

5-in long-throw woofer and 1-in fluid-filled polycarbonate tweeter; amp rated at 35 W. Magnetic shielding. Separate volume, bass, and treble controls; auto on/off. Black or gray. 10½ x 7¼ x 8¾ in; 11 lb .....\$399/pr

**AV571.** As above, single speaker .....\$199

### Amber 2-Way Bookshelf Speaker

Bass-reflex design with 8-in long-throw polypropylene woofer and ½-in ferrofluid-filled ring-dome tweeter. Power handling 250 W; FR 50 Hz-21 kHz; sens 89 dB; imp 8 ohms. Solid-oak accent with textured black vinyl over dense fiberboard. 11 x 16¼ x 10¼ in; 20 lb .....\$349/pr

### AWB70 Powered Wireless Speaker System

2 speakers, each with 4-in woofer and 1-in dome tweeter; amp rated at 15 W rms; 900-MHz receiver and transmitter with 150-ft range. 12 dB/oct crossover. Front-panel control. Includes AC adapter. Black .....\$300

**AWB1.** Mounting brackets for above .....\$30



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# Speakers

## AW820 Powered Wireless Speaker System

2 speakers, each with 10-W rms amp; 900 MHz receiver and transmitter with 150-ft range. Includes AC adapter. Black .....\$250  
**AWB1.** Mounting brackets for above .....\$30

## Ruby 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in polypropylene-cone woofer and tweeter. Power handling 75 W rms; FR 53 Hz-21 kHz ±3 dB; sens 89.5 dB; imp 8 ohms. Textured black vinyl over dense fiberboard. 9 x 15 x 8¼ in; 12 lb .....\$249/pr

## Audio Cinema 2-Way Center-Channel Speaker

Two 5¼-in woofers and one tweeter. Power handling 125 W rms; FR 60 Hz-20 kHz ±3 dB; imp 8 ohms. Black ash vinyl over dense fiberboard. 18 x 6 x 6½ in; 10 lb .....\$199

## Pearl 2-Way Bookshelf Speaker

Bass-reflex design with 5¼-in long-throw polypropylene woofer and ½-in ferrofluid-filled silver-dome tweeter. Includes wall-mount bracket. Power handling 60 W rms; FR 95 Hz-21 kHz; sens 88 dB; imp 8 ohms. Weather-resistant white finish. 6½ x 9¾ x 6½ in; 10 lb .....\$179/pr

## 500 Series

The following use a bass-reflex design.

### Sub550AV Powered Subwoofer

15-in down-firing driver; amp rated at 250 W rms. Line- and speaker-level inputs and outputs. Auto on/off; continuously adjustable phase between 0° and 180°. Crossover point adjustable from 40-100 Hz; FR 27-150 Hz ±3 dB. 5-yr speaker, 1-yr amp warranty. 18 x 16 x 22 in .....\$599

### AV575 2-Way Satellite Speaker

5-in woofer and 1-in titanium-dome tweeter. Magnetic shielding. Built-in wall-mount hardware. Power handling 20 W min, 150 W max; crossover point 3.5 kHz; FR 80 Hz-20 kHz ±3 dB; sens 91 dB; imp 8 ohms. Black. 5-yr warranty. 6 x 10¼ x 6½ in; 8 lb .....\$349/pr

### AV520cc 2-Way Center-Channel Speaker

Dual 4¼-in woofers and one 1-in titanium-dome tweeter. Magnetic shielding; protection circuit. Built-in wall-mount hardware. Power handling 20 W min, 150 W max; crossover point 4.2 kHz; FR 80 Hz-20 kHz ±3 dB; sens 90 dB; imp 8 ohms. Black. 5-yr warranty. 13¼ x 6 x 6½ in .....\$259

## 400 Series

The following use a bass-reflex design.

### Sub 450VA Powered Subwoofer

Slot-loaded 10-in woofer; 100-W amp. Auto on/off; continuously adjustable phase between 0° and 180°. Crossover point continuously variable from 50-100 Hz; FR 32-150 Hz ±3 dB. Black. 5-yr speaker, 1-yr amp warranty. 14 x 12 x 16 in .....\$399

### AV400 SAT 2-Way Satellite Speaker

4-in woofer and 1-in polycarbonate-cone tweeter. Protection circuit; magnetic shielding; current limiter. Power handling 20 W min, 100 W max; crossover point 4.2 kHz; FR 120 Hz-20 kHz ±2 dB; sens 89 dB; imp 8 ohms. Black or white. 5-yr warranty. 5 x 8¾ x 5½ in .....\$199/pr

### AV 420cc 2-Way Center-Channel Speaker

Dual 3½-in woofers and one 1-in polycarbonate-dome tweeter. Magnetic shielding; current limiter; protection circuit. Mounting bracket optional. Crossover point 4.2 kHz; FR 100 Hz-20 kHz ±3 dB; imp 8 ohms. Black. 5-yr warranty. 12 x 5½ x 5½ in .....\$159

## AERIAL ACOUSTICS

### Model 10T 3-Way Speaker

10½-in bilaminate-cone long-coil woofer with large magnet assembly and cast frame, 5¼-in twin-cone Kevlar midrange with large magnet and cast frame,

and 1-in dual-chamber titanium tweeter with multiple vents and large surround. 24-dB/oct Linkwitz-Riley crossovers; extensively braced 1- and 2-in MDF bass enclosure with solid radiused edges; inert 30-lb cast Novalith stone head. Biampable terminals. Power handling 100 W min, 500 W max; FR 28 Hz-22 kHz ±2 dB; sens 86 dB; imp 4 ohms. Black ash finish; rose walnut, natural cherry, natural figured maple, and rosewood finishes available. 41½ x 13¾ x 19 in; 110 lb .....\$6,500/pr  
 Stand for above. 40 lb .....\$600/pr

### Model 8 3-Way Speaker

As Model 10T, 7-in bilaminate-cone midrange with large magnet and cast frame. Extensively braced 1- and 2-in one-piece enclosure with solid radiused edges. Imp 6 ohms. 45 x 9 x 20 in; 120 lb .....\$5,000/pr  
 Stand for above. 25 lb .....\$400/pr

### Model 7B 3-Way Speaker

Two 7-in bilaminate-cone woofers, one 5-in bilaminate-cone midrange, and one 1-in titanium-dome tweeter. Same crossover construction as Model 10T; extensively braced 1- and 2-in enclosure with solid radiused edges. Power handling 100 W min, 300 W max; FR 35 Hz-22 kHz ±2 dB; sens 86 dB; imp 6 ohms. 43 x 8¾ x 15 in; 95 lb .....\$3,800/pr  
 Stands for above. 25 lb .....\$400/pr

### SW3 Subwoofer

12½-in cast-frame woofer. Designed for Model 10T and Model 8. RCA and XLR inputs; speaker-level inputs. Remote control with mute, volume, phase, network bypass, and damping controls. Power handling 400 W. 24 x 14 x 22 in; 120 lb .....\$3,600  
 Digital display; infrared sensor .....\$400  
 Stand for above. 45 lb .....\$400

### Model 7A 2-Way Speaker

9-in bilaminate-cone long-coil woofer with large magnet assembly and cast frame and 1-in dual-chamber titanium tweeter with multiple vents and large surround. Crossover; extensively braced 1- and 2-in MDF enclosure with solid radiused edges. Biampable terminals. Power handling 100 W min, 300 W max; FR 35 Hz-22 kHz ±2 dB; sens 86 dB; imp 4 ohms. Black or walnut finish. 41 x 10 x 13½ in; 80 lb .....\$2,800/pr  
 Stand for above. 25 lb .....\$300/pr

### Model SR3 3-Way Surround Speaker

One 7-in bilaminate-cone long-coil woofer with large magnet assembly and cast frame, two 4½-in polypropylene-cone midranges with large magnets, and two ¾-in aluminum tweeters. Same crossover construction as Model 7A. Remote controlled bipole and dipole operation; switches for rear-facing driver level and midrange/treble level; wall mountable. Power handling 100 W min, 300 W max; FR 55 Hz-22 kHz ±3 dB; sens 85 dB; imp 6 ohms. Scratch-resistant black finish; 5-sided grille in black or white. 16¼ x 17¼ x 6½ in; 31 lb .....\$2,400/pr  
 Stand for above. 22 lb .....\$400/pr  
 Remote control for above .....\$200

### Model 5 2-Way Speaker

7-in polypropylene-cone woofer with large magnet assembly and cast frame and 1-in dual-chamber titanium tweeter with multiple vents and large surround. Same crossover construction as Model 7; extensively braced 1- and 2-in MDF enclosure with solid radiused edges. Power handling 100 W min, 200 W max; FR 60 Hz-22 kHz ±2 dB; sens 85 dB; imp 4 ohms. Same finishes as Model 10T. 13 x 8½ x 10¼ in; 24 lb .....\$1,800/pr  
 Stand for above. 40 lb .....\$500/pr

### Model CC3 3-Way Center-Channel Speaker

Two 7-in polypropylene-cone woofers with double-magnet assemblies and cast frames, 5-in bilaminate-cone midrange with double-magnet assembly and cast frame, and 1-in dual-chamber titanium tweeter with flared-vent and double magnet. Same crossover construction as Model 7;

magnetic shielding; braced ¾- and 1-in MDF enclosure. Switches for midrange level and mid/treble overall level. Power handling 100 W min, 300 W max; FR 55 Hz-22 kHz ±2 dB; sens 86 dB; imp 6 ohms. Scratch-resistant black finish. 9½ x 24 x 11 in; 41 lb .....\$1,200  
 Adjustable stand for above. 45 lb .....\$300

## AES

### Basis 120 Powered Subwoofer

12-in woofer; servo amp rated at 125 W rms. Soft-clipping circuit. Line- and speaker-level inputs; speaker-level outputs. Auto-on; front-panel output-level control. Crossover point continuously variable from 60-180 Hz; FR 28-180 Hz .....\$595

### AES-400W In-Wall Subwoofer

6 x 9-in polypropylene woofer with dual voice coils. Moisture-resistant design. Power handling 75 W rms; FR 28-90 Hz; sens 90 dB; imp 8 ohms .....\$259

### Axia Two 2-Way Speaker

Coaxial design with two 5¼-in mineral-filled polypropylene woofers with SBR rubber surrounds and ¼-in liquid-cooled polycarbonate-dome tweeters. FR 58 Hz-21 kHz; sens 90 dB; imp 8 ohm .....\$189

### AES-225S 2-Way In-Wall Speaker

6½-in mineral-filled polypropylene woofer and 1-in patented liquid-cooled soft-dome tweeter. Swivel tweeter; neodymium magnet; rubber surround; protection circuit; moisture-resistant design. Wall or ceiling installation. Power handling 10 W min, 100 W max; FR 40 Hz-22.5 kHz; sens 91 dB; imp 8 ohms .....\$180

### AKS-65F 2-Way In-Wall/Ceiling Speaker

Infinite-baffle design with 6½-in polypropylene woofer and ¾-in liquid-cooled polycarbonate tweeter. Moisture-resistant design. Wall-mount bracket optional. Power handling 10 W min, 100 W max; FR 21.5 Hz-40 kHz; sens 91 dB; imp 8 ohms. White finish. Round frame. Mounting diameter 9 in. Mounting depth 3¼ in .....\$140

### AES-100S Mk II 2-Way In-Wall Speaker

6½-in mineral-filled polypropylene woofer with SBR rubber surround and ¾-in liquid-cooled tweeter. Protection circuit; moisture-resistant design. Wall or ceiling installation. Power handling 10 W min, 80 W max; FR 52 Hz-21 kHz; imp 8 ohms .....\$125  
**AES-50S Mk II.** As above, 5¼-in mineral-filled polycarbonate woofer with SBR rubber surround. Power handling 10 W min, 65 W max; FR 68 Hz-21 kHz .....\$100

### AES-45R 2-Way Ceiling Speaker

Coaxial design with 5¼-in mineral-filled polypropylene woofer with SBR rubber surround and ¾-in liquid-cooled tweeter. Moisture-resistant design. Grille recessed from mounting surface. Power handling 10 W min, 65 W max; FR 68 Hz-21 kHz; sens 90 dB; imp 8 ohms. Round frame. Mounting diameter: 6½ in .....\$100  
**AES-35F 2-Way In-Wall/Ceiling Speaker.** As above, grille mounts flush with surface. Sens 91 dB .....\$90

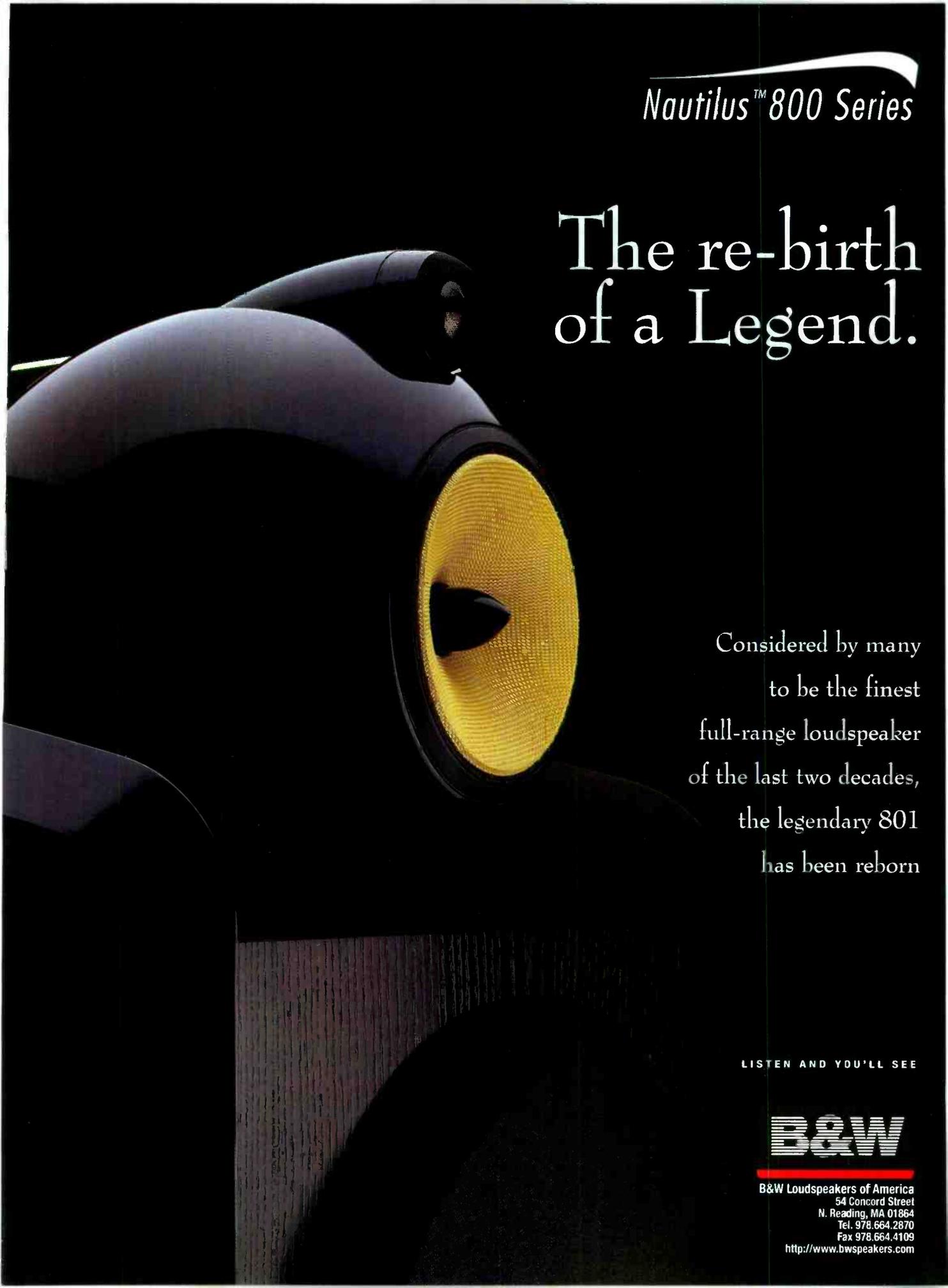
### AES-40R Ceiling Speaker

Dual-cone design with 5¼-in mineral-filled polypropylene woofer with dual voice coils. Moisture-resistant design. Grille recessed from mounting surface. Power handling 10 W min, 60 W max; FR 68 Hz-18 kHz; sens 88 dB; imp 8 ohms. Round frame. Mounting diameter: 6½ in .....\$90  
**AES-30F In-Wall/Ceiling Speaker.** As above, grille mounts flush with surface .....\$80

## AIWA

### TS-W50 Powered Subwoofer

Bass-reflex design with 8-in driver; 60-W amp. 2 input terminals. Selectable crossover; phase switch; auto power on/off; bass-level control. FR 30-180 Hz; imp 8 ohms. 10¼ x 14 x 16¼ in; 20 lb .....\$200



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# Speakers

## ALLISON ACOUSTICS

### NL-5400P Powered Subwoofer

Acoustic-suspension design with 12-in driver; 300-W amp. Line- and speaker-level inputs. Volume control. High-pass crossover fixed at 60 Hz; low-pass crossover variable from 40-180 Hz. FR 28-180 Hz. Black lacquer wood finish. 19 x 19 x 19 in; 70 lb .....\$879  
**NL-5400.** As above without amp or separate high/low-pass crossovers. Power handling 250 W; crossover point 80 Hz; FR 28-90 Hz; sens 89 dB. 65 lb .....\$460

### AL-130S 3-Way Speaker

Acoustic-suspension design with two 8-in woofers, one 3-in hand-assembled ferrofluid-cooled convex-diaphragm midrange, and one 1-in sili-cone-cooled convex-diaphragm tweeter. Push-pull woofer configuration; magnetic shielding. Power handling 200 W; crossover points 450 Hz and 4 kHz; sens 90 dB; imp 6 ohms. Black vinyl with painted charcoal front baffles .....\$600  
**AL-125.** As above, two 6-in woofers. 12½ x 37½ x 14½ in; 40 lb .....\$600

### AL-115S 2-Way Speaker

Acoustic-suspension design with 8-in woofer and 1-in hand-assembled ferrofluid-cooled convex-diaphragm tweeter. Woofer hand-treated with proprietary energy-absorbent compound; magnetic shielding. Power handling 150 W; sens 90 dB; imp 8 ohms. Black vinyl with painted charcoal front baffles. 11½ x 20 x 10½ in; 22 lb .....\$500/pr  
**AL-115.** As above, unshielded; sens 90 dB; imp 6 ohms. 11½ x 20 x 10½ in; 22 lb .....\$460/pr

### AL-105S 2-Way Speaker

Acoustic-suspension design with 6-in woofer and 1-in ferrofluid-cooled dome tweeter. Woofer hand-treated with proprietary energy-absorbent compound; magnetic shielding. Power handling 150 W; crossover point 2500 Hz; sens 90 dB; imp 6 ohms. Black vinyl with painted charcoal front baffles. 14¼ x 9½ x 8½ in; 13 lb .....\$330/pr  
**AL-105.** As above, unshielded; sens 90 dB; imp 6 ohms. 14¼ x 9½ x 8½ in; 13 lb .....\$230/pr

### NL-1440 2-Way Center-Channel Speaker

Acoustic-suspension design with 8-in woofer and 1-in convex tweeter. Magnetic shielding. Power handling 150 W; crossover point 2 kHz; sens 90 dB; imp 6 ohms. Black lacquer wood finish. 11 x 10 x 18 in; 19 lb .....\$330  
**NL-654.** As above, 6-in woofer. Crossover point 2.5 kHz. 9 x 18 x 13 in; 11 lb .....\$280

### MS-200 2-Way Satellite Speaker

4-in midrange and ½-in Mylar-dome tweeter. Magnetic shielding. Power handling 50 W rms; crossover point 140 Hz; sens 90 dB; imp 8 ohms. Black lacquer wood finish. 5½ x 10 x 5¼ in; 6 lb .....\$260/pr

### MS-W4 Subwoofer

8-in driver. Power handling 75 W rms; crossover point 200 Hz; sens 86 dB; imp 8 ohms. Black lacquer wood finish. 11 x 11 x 11 in; 16 lb .....\$210

### MS-202 2-Way Center-Channel Speaker

Two 3-in midranges and one ½-in Mylar-dome tweeter. Magnetic shielding. Power handling 50 W rms; sens 86 dB; imp 8 ohms. Black lacquer wood finish. 19 x 5 x 11 in; 10 lb .....\$180

## ALON

### Phalanx 4-Way Speaker

One 10-in sealed woofer, five 5-in dipole midranges, and one 1-in dipole aluminum-dome tweeter. External crossover. Power handling 200 W; FR 32 Hz-25 kHz ±3 dB; sens 87 dB. High-gloss black-ash veneer finish; piano-black polyester finish available. 12½ x 58 x 17½ in; crossover: 14 x 9 x 36 in .....\$22,000/pr

### Poseidon Subwoofer

Eight 12-in woofers with cobalt magnets. Sealed

double-isobaric dynamic-compression operation. Power handling 200 W; FR 20-100 Hz; sens 90 dB. High-gloss black ash wood; piano-black polyester finish available. 40 x 16 x 30 in .....\$15,000/pr

### Circe 3-Way Speaker

10-in sealed Alnico woofer, 5-in Alnico dipole midrange, and 1-in Alnico dipole dome tweeter. External crossover. Power handling 200 W; FR 22 Hz-25 kHz; sens 87 dB; imp 8 ohm. Cherry-wood finish with black cloth grille. 12 x 52 x 15 in ...\$12,000/pr

### Adriana 2-Way Bookshelf Speaker

Vented design with two 5¼-in woofers and one 1-in dipole aluminum-dome tweeter. Cobalt driver magnets. Power handling 150 W; FR 35 Hz-25 kHz; sens 87 dB. Polyester piano finish over solid cherry wood. 15 x 8 x 14 in .....\$10,000/pr

### Model V Mk III 3-Way Speaker

10-in sealed woofer, 5-in dipole midrange, and 1-in dipole aluminum-dome tweeter. Power handling 200 W; FR 34 Hz-25 kHz ±3 dB; sens 87 dB. Gloss-black finish with black-cloth grille. 12 x 52 x 15 in; 95 lb .....\$5,495/pr

### Lotus SE 3-Way Speaker

8-in infinite-baffle woofer, 5¼-in Alnico open-baffle midrange, and ¾-in tweeter. Midrange driver and tweeter mounted on separate dipole assembly above bass enclosure. Triampable terminals. Includes spike feet. Power handling 150 W; crossover points 500 Hz and 3.5 kHz; FR 35 Hz-25 kHz ±3 dB; sens 90 dB; imp 8 ohms. Gloss black. 5-yr warranty. 9 x 42 x 13 in; 60 lb .....\$3,500/pr

### Model IV 3-Way Speaker

12-in sealed woofer, 5-in dipole midrange, and 1-in dual-chamber aluminum-dome tweeter. Power handling 200 W; FR 29 Hz-25 kHz ±3 dB; sens 87 dB. Natural-oak, black-ash, or walnut-veneer finish; rosewood available. 14 x 46 x 18 in; 105 lb\$3,500/pr

### Centris Home Theater System

5-speaker system featuring 3 infinite-baffle design front speakers, each with two 5¼-in woofers and one 1-in dome tweeter; 2 dual-ported wide-dispersion-design surround speakers, each with one 5¼-in woofer and one ¾-in aluminum-dome tweeter. Magnetic shielding. Power handling 200 W; crossover point 3.5 kHz; FR front 60 Hz-25 kHz ±3 dB, surround 55 Hz-22 kHz ±3 dB; sens 90 dB front, 91 dB surround; imp 8 ohms. Black ash. 5-yr warranty. Front: 7½ x 16 x 9½ in. Surround: 13½ x 16 x 9½ in .....\$3,000

### Model II MKII 3-Way Speaker

10-in sealed woofer, 5-in dipole midrange, and 1-in dual-chamber aluminum-dome tweeter. Power handling 150 W; FR 39 Hz-25 kHz ±3 dB; sens 87 dB. Gloss-black finish with black cloth grille. 11 x 46 x 13 in; 70 lb .....\$2,495/pr

### Model I MKII 3-Way Speaker

8-in sealed woofer, 4½-in dipole midrange, and ¾-in aluminum-dome tweeter. Power handling 150 W; FR 49 Hz-25 kHz ±3 dB; sens 87 dB. Gloss-black finish with black cloth grille. 9 x 42 x 13 in; 60 lb .....\$1,795/pr

### Centris Powered Subwoofer

Dual flared-port design with 10-in long-throw woofer; amp rated at 200 W rms. Phase, music, video, and auto on/off switches. Crossover point 200 kHz; FR 25-200 Hz; sens 110 dB. Black-ash laminate with black cloth grille. 16 x 16 x 18 in .....\$1,400

### Petite 2-Way Speaker

Rear-vented bass-reflex design with cast-frame 5¼-in woofer and 1-in aluminum-dome tweeter. Power handling 100 W; FR 55 Hz-25 kHz; sens 87 dB. Black ash or walnut wood; Santos rosewood available. 15 x 6 x 8 in .....\$995/pr

### SW-1 Subwoofer

Acoustic-suspension design with two 12-in woofers. Power handling 200 W; FR 24-150 Hz ±3 dB;

sens 87 dB. Black-ash veneer finish. 25 x 15¼ x 25 in; 100 lb .....\$990

### PW1 Subwoofer

Bass-reflex design with two 6½-in down-firing woofers. Built-in crossover. Power handling 100 W; FR 35-55 Hz; sens 87 dB. Black ash laminate. 29 x 8 x 15 in .....\$500

## ALTEC LANSING

The following are designed for computers.

### ADA310 Powered Subwoofer/Satellite System

Designed for 5.1-channel surround playback. 3-speaker system with subwoofer with 6-in driver; two satellites, each with two 3-in drivers. Bass module includes Dolby Digital decoder. Gray vinyl finish. 3½ x 7½ x 3½, 2½ lb sat; 12½ x 8 x 10¼, 13 lb sub .....\$299

### ADA305 Powered Subwoofer/Satellite System

3-speaker system with subwoofer with 6½-in driver; two satellites, each with 3-in driver; 35-W amp. Mute switch; separate center-channel control. Crossover point 150 Hz; FR 32 Hz-48 kHz; sens 88 dB .....\$199

### ACS48 Powered Subwoofer/Satellite System

3-speaker system with wood-enclosed subwoofer with 6-in long-throw woofer; two magnetically-shielded satellites, each with 3-in midrange and ¾-in tweeter. 40-W subwoofer amp; 20-W satellite amp. Electronic volume controls; on/off function. Crossover points 150 Hz and 4 kHz; FR 32 Hz-20 kHz system .....\$150

### ACS45.1 Powered Subwoofer/Satellite System

3-speaker system featuring wood-enclosed subwoofer with 6½-in long-throw driver; two magnetically-shielded satellites, each with 3-in full-range driver; 44-W amp. LED power indicator; electronic volume controls; master volume control. FR 35 Hz-20 kHz; sens 65 dB .....\$99

### ACS44 Powered Subwoofer/Satellite System

3-piece system featuring subwoofer with 4-in driver; two magnetically-shielded satellites, each with 3-in driver; 31-W amp. LED on/off indicator; volume control. FR 35 Hz-19 kHz; sens 65 dB .....\$79

### ACS43 Powered Computer Speaker System

2 speakers, each with 3-in driver; amp rated at 10 W. FR 100 Hz-18 kHz. 5 lb .....\$50

## AMBIANCE ACOUSTICS

### California Cube 2-Way Speaker

Four 4½-in full-range drivers with treated paper cones and rubber surrounds. 4th-order vented MDF enclosure; 6N copper or silver wiring; 18 dB/oct-slope infrasonic filter. Gold-plated 5-way binding posts. External EQ with bypass switch; tape-monitor loop. Power handling 120 W; FR 38 Hz-16.5 kHz; sens 90 dB; imp 8 ohms. Optional finishes available at extra cost. 5-yr limited warranty. 13½-in cube; 30 lb .....\$1,395/pr  
 As above with Holco 0.1% resistors .....\$1,595/pr  
 As above, silver internal wiring, upgraded ICs, and Holco 1%-tolerance resistors .....\$2,395/pr

## AMC

### B1-20 Powered Subwoofer

Bass-reflex design with 8-in carbon-filled long-throw woofer; 200-W amp. Negative output impedance curve applied to woofer for increased linearity. Stereo line-level inputs; stereo high-pass line-level outputs. Sensitivity control; auto on/off; standby indicator; active Indicator. Crossover point variable from 40-200 Hz; FR 30-175 Hz ±2 dB. Black-ash veneer. 12 x 15 x 12 in; 37 lb .....\$800

### WM-100 3-Way In-Wall Speaker

8-in polypropylene woofer with 1½-in voice coil and 1-in soft-dome tweeter. Power handling 100 W max; crossover point 2.5 kHz; FR 40 Hz-20 kHz;

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# Speakers

sens 89 dB; Imp 8 ohms. Paintable white matte. Rectangular frame. Mounting area: 10 1/4 x 14 in. Mounting depth 4 in. . . . . \$300/pr  
**WMBK100.** Mounting brackets for above . . . \$60/pr

## WM75 3-Way In-Wall Speaker

6 1/2-in polypropylene woofer with 1-in voice coil and 1-in soft-dome tweeter. Power handling 80 W max; crossover point 2.8 kHz; FR 45 Hz-20 kHz; sens 90 dB; imp 8 ohms. Paintable white matte. Rectangular frame. Mounting area: 8 1/2 x 12 in. Mounting depth 3 1/2 in. . . . . \$250/pr  
**WMBK75.** Mounting brackets for above . . . \$50/pr

## WM50 3-Way In-Wall Speaker

5 1/4-in polypropylene-cone woofer with 1-in voice coil and 1-in soft-dome tweeter. Power handling 60 W max; crossover point 2.8 kHz; FR 50 Hz-20 kHz; sens 90 dB; imp 8 ohms. Paintable white matte. Rectangular frame. Mounting area: 7 1/2 x 11 in. Mounting depth 2 1/2 in. . . . . \$175/pr  
**WMBK50.** Mounting brackets for above . . . \$40/pr

## AMPHION

**Krypton A 3-Way Speaker/Powered Subwoofer**  
 Dipolar bass-reflex design with built-in powered subwoofer with 10-in cone and 150-W amp; speaker section with two 8-in midranges and one 1-in aluminum-cone with 8-in constant-directivity waveguide. XLR and RCA inputs for subwoofer; gold-plated speaker terminals. Bass-level control. Crossover points 130 Hz and 1.3 kHz; FR 45 Hz-18 kHz  $\pm$  1 dB; sens 87 dB; imp 6 ohms. Lacquered birch veneer. 13 3/4 x 5 1/4 x 15 1/2 in; 80 lb . . . . . \$2,995/pr  
**Krypton.** As above without power amp. Biampable. Power handling 250 W. 75 lb . . . . . \$2,495/pr

## Argon 2-Way Speaker

Bass-reflex design with 6 1/2-in aluminum-cone woofer and 3 1/4-in aluminum-dome tweeter with 6-in constant-directivity waveguide. MDF enclosure. Gold-plated speaker terminals. Magnetic shielding, biampable connectors, and shelf-type treble adjustment optional. Power handling 175 W; crossover point 1.8 kHz; FR 70 Hz-19 kHz  $\pm$  1 dB; sens 83 dB; imp 8 ohms. Lacquered birch veneer. 8 x 15 x 11 1/4 in; 21 lb . . . . . \$895/pr

## APOGEE ACOUSTICS

### Studio Grand 3-Way Hybrid Ribbon Speaker

10-in woofer, trapezoidal ribbon woofer, and midrange/tweeter ribbon. External active crossover with balanced connectors. Power handling 250 W; crossover points 60 and 500 Hz; FR 20 Hz-20 kHz; imp 8 ohms. Black-sand, light-oak, or mahogany finish. 72 x 28 1/2 x 25 in; 420 lb . . . . . \$13,000/pr

### Studio Ribbon Array 2-Way Ribbon Speaker

Trapezoidal woofer ribbon and midrange/tweeter ribbon. Power handling 250 W; crossover point 500 Hz; FR 30 Hz-30 kHz. Black-sand, light-oak, or mahogany finish. 55 x 28 1/2 x 3 in; 220 lb . . . . . \$8,000/pr

### Cepheus 8 2-Way Hybrid Ribbon Speaker

Bass-reflex design with dual 8-in long-throw cone woofers and 40-in dipole midrange/tweeter ribbon. Power handling 250 W; crossover points 500 Hz; FR 26 Hz-20 kHz; imp 6 ohms. Black or taupe finish. 240 lb . . . . . \$4,700/pr  
**Cepheus 6.** As above, dual 6 1/2-in woofers and one 26-in midrange/tweeter ribbon. Power handling 200 W; crossover point 980 Hz; FR 32 Hz-20 kHz. Black. 52 1/2 x 14 1/2 x 14 1/2 in; 160 lb . . . . . \$3,000/pr

### Stage 2-Way Ribbon Speaker

Trapezoidal woofer ribbon and midrange/tweeter ribbon. Power handling 200 W; crossover point 800 Hz; FR 30 Hz-20 kHz; imp 3 ohms. Black-sand, light-oak, or mahogany facia cover. 37 x 25 x 2 in; 120 lb . . . . . \$3,500/pr

### Stage Subwoofer

Two 8-in drivers. Designed for use with Stage 2-Way Ribbon Speaker. External active crossover with bal-

anced connectors. FR 20-80 Hz; imp 3 ohms. Black-sand finish. 11 x 26 1/2 x 18 1/4 in; 110 lb . . . . . \$3,500/pr  
**Mini Grand.** 3-piece system featuring Stage subwoofer and two Stage 2-way speakers . . . \$6,500/pr

## Auriga-F 2-Way In-Wall Speaker

6 1/2-in cone woofer and 26-in dipole midrange/tweeter ribbon. Power handling 200 W; crossover point 1.2 kHz; FR 40 Hz-20 kHz; imp 6 ohms. Paintable grille. Rectangular frame. Mounting area: 12 1/2 x 48 in. . . . . \$1,800/pr  
 As above, on-wall version . . . . . \$2,000/pr

## Drago Powered Subwoofer

Four 6 1/2-in drivers; 200-W amp. High- and low-pass filter. XLR and RCA connectors. Damping control and gain controls. FR 28-80 Hz. 21 x 23 x 9 1/2 in. . . . . \$1,800

## Perseus-6 2-Way Hybrid Ribbon Speaker

Two 6 1/2-in long-throw woofers and one 4-in monopole midrange/tweeter ribbon. Magnetic shielding. Power handling 200 W; FR 45 Hz-25 kHz; imp 8 ohms. Textured black ash finish. 9 x 24 x 11 1/2 in; 44 lb . . . . . \$1,000/pr  
 As above with dark cherry veneer, white ash veneer, or black sand finish . . . . . \$1,100/pr  
**Cassiopeia-6.** As above, single woofer. Textured black ash. 9 1/2 x 16 x 11 1/2 in; 26 lb . . . . . \$1,000

## Capella-6 2-Way In-Wall Speaker

6 1/2-in cone woofer and 4-in shielded monopole midrange/tweeter. Power handling 200 W; FR 45 Hz-25 kHz. 11 x 16 x 3 in; 10 lb . . . . . \$500

## ARANT

The following have walnut enclosures and carry a 5-year warranty.

### A-200 3-Way Speaker

Bass-reflex design with 10-in woofer, 4 1/2-in dome midrange, and 1-in dome tweeter. Crossover points 800 Hz and 3.5 kHz; FR 34 Hz-22 kHz  $\pm$  3 dB; sens 92 dB; imp 6 ohms . . . . . \$770/pr

### A-140 2-Way Speaker

6 1/2-in woofer, 1-in dome tweeter, and passive radiator. FR 32 Hz-22 kHz  $\pm$  3 dB; sens 93 dB; imp 8 ohms. 11 x 19 x 11 in; 25 lb . . . . . \$550/pr

### A-80 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in dome tweeter. Crossover point 2 kHz; FR 38 Hz-22 kHz  $\pm$  3 dB; sens 91 dB; imp 6 ohms. 11 x 19 x 10 in; 19 lb . . . . . \$520/pr

### A-60 2-Way Speaker

Bass-reflex design with 6 1/2-in woofer and 1-in dome tweeter. Crossover point 2.5 kHz; FR 49 Hz-22 kHz  $\pm$  3 dB; sens 89 dB; imp 8 ohms. 9 1/2 x 17 x 8 in . . . . . \$330/pr

### A-50 2-Way Speaker

Bass-reflex design with 5 1/4-in woofer and 3/4-in dome tweeter. FR 60 Hz-22 kHz  $\pm$  3 dB; sens 86 dB; imp 6 ohms. 6 1/2 x 9 1/2 x 5 1/2 in . . . . . \$220/pr

## ARES SOUND

The following use a bass-reflex design and 1-in ceramic tweeter and carry a 5-year warranty.

### Ares III 3-Way Speaker

Two 8-in Nomex/Kevlar Hexacone woofers, one 5-in Nomex/Kevlar Hexacone midrange. Power handling 250 W; crossover points 400 Hz and 3 kHz; FR 30 Hz-25 kHz  $\pm$  3 dB; sens 90 dB; imp 4 ohms. Mahogany with black knit grille. 11 x 43 x 16 in; 120 lb . . . . . \$7,900/pr

### Ares II 2-Way Speaker

7-in Nomex/Kevlar Hexacone woofer. Power handling 250 W; crossover point 2.7 kHz; FR 30 Hz-25 kHz  $\pm$  3 dB; sens 90 dB; imp 8 ohms. Anegrel finish with black knit grille. 11 x 39 x 15 in; 78 lb . . . . . \$3,900/pr

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# Definitive's Bipolar Superspeakers Triumph in Triple Speaker-of-the-Year Grand Prix Victory!

*"Just like our new flagship BP3000TL, the award-winning BP2000, BP2002 and BP2004 all combine our revolutionary bipolar technology with built-in powered subs for extraordinary music and home theater!"*

## **"I would choose these speakers for myself"**

*— Julian Hirsch, Stereo Review*

If you're looking for the finest sounding music and home theater speakers available, listen and you'll agree that Definitive's bipolar powered towers are clearly your obvious choice. Our unprecedented triple Grand Prix triumph absolutely confirms what the world's top reviewers all know: Definitive loudspeakers sound the best!

## **"Bipolar Superspeakers"**

*— Brent Butterworth, Home Theater*

Experts agree that bipolar loudspeakers are sonically superior to all others for both music and home theater. In fact, top expert Brent Butterworth wrote, "Bipolar systems are as close as we've come to finding the Holy Grail."

Unlike conventional loudspeakers, all of Definitive's revolutionary bipolars have two sets of precision drivers which radiate sound front and rear in an omnidirectional pattern exactly the way sound is produced naturally.

The sonic benefits are dramatic, recreating a remarkable room-filling three-dimensional soundfield which is the closest thing to being there. In addition, the wide dispersion benefits of bipolar technology assure every listener of superb sound wherever they sit or stand.



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*— Brent Butterworth, Home Theater*

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*— Julian Hirsch, Stereo Review*

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# Speakers

## Ares I 2-Way Speaker

5-in Nomex/Kevlar Hexacone woofer. Power handling 150 W; crossover point 3 kHz; FR 45 Hz-25 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Lacedwood with black knit grille. 8 x 14 x 11 in; 23 lb .....\$2,900/pr

## ASB

### SR-IV MKV 3-Way Speaker

Transmission-line design with two 8-in woofers, one 4-in midrange, and one 1-in dome tweeter. Power handling 150 W; crossover point selectable at 450 Hz or 4 kHz; FR 22 Hz-30 kHz  $\pm 3$  dB; sens 89 dB; imp 6 or 8 ohms. Walnut-veneer finish. 11 x 60 x 18 in; 85 lb .....\$7,495/pr

### SR-III MKV 2-Way Speaker

Transmission-line design with two 7-in woofers and one 1-in soft-dome tweeter. Power handling 150 W; crossover point 2 kHz; FR 35 Hz-25 kHz  $\pm 3$  dB; sens 90 dB; imp 6 or 8 ohms. Walnut-veneer finish. 10 x 44 x 14 in; 70 lb .....\$5,495/pr

### SR-II MKV 2-Way Speaker

Transmission-line design with 7-in woofer and 1-in titanium-dome tweeter. Power handling 150 W; crossover point 2 kHz; FR 36 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 6 or 8 ohms. Walnut-veneer finish. 10 x 38 x 12 in; 65 lb .....\$3,895/pr

### SR-I MKV 2-Way Speaker

Transmission-line design with 6 $\frac{1}{2}$ -in woofer and 1-in soft-dome tweeter. Power handling 80 W; crossover point 2.5 kHz; FR 37 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 6 or 8 ohms. Walnut-veneer finish. 10 x 36 x 12 in; 55 lb .....\$2,195/pr

## EEW-1 2-Way Speaker

Bass-reflex design with 5 $\frac{1}{4}$ -in woofer and 1-in soft-dome tweeter. Power handling 60 W; crossover point 2 kHz; FR 50 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 6 or 8 ohms. Oak-veneer finish. 8 $\frac{1}{2}$  x 14 $\frac{1}{2}$  x 6 $\frac{1}{4}$  in; 25 lb .....\$1,195/pr

## ATLANTIC TECHNOLOGY

The following have silk-dome tweeters with neodymium magnets and ferrofluid cooling, and speaker- and line-level inputs and outputs.

### System 450 THX Home THX Speaker System

6-speaker system with 325-W powered subwoofer with 15-in driver; two 3-way D'Appolito-array mag-

netically-shielded front speakers and one center speaker, each with two 6 $\frac{1}{2}$ -in woofers, two 3 $\frac{1}{2}$ -in midranges, and one 1-in tweeter; two 3-sided dipolar surround speakers, each with two 5 $\frac{1}{4}$ -in woofers and two 1-in tweeters. All speakers have sealed acoustic-suspension enclosures; coated composite graphite cones for the woofers and midranges. 80 Hz, 24 dB/oct high-pass output. Compensation control, THX free-air switch, and tilting base for center-channel speaker; preset THX low-pass mode, phase switch, front-panel variable-level control with THX preset, and auto standby for subwoofer. Matching pedestal speaker stands for front and surround speakers optional. Power handling 100 W rms; crossover points 350 Hz and 4.5 kHz front/center, 3.5 kHz surround; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 91 dB front/center, 87 dB surround; imp 8 ohms. High-gloss black. Subwoofer: 16 $\frac{1}{4}$  x 22 $\frac{1}{2}$  x 19 $\frac{1}{4}$  in; 86 lb. Center: 25 $\frac{1}{4}$  x 10 x 10 $\frac{1}{2}$  in; 25 lb. Front: 7 $\frac{1}{2}$  x 23 $\frac{1}{4}$  x 11 $\frac{1}{4}$  in; 27 lb. Surround: 7 $\frac{1}{2}$  x 18 $\frac{1}{4}$  x 7 $\frac{1}{4}$  in; 12 lb .....\$5,096

**System 370 THX.** As above, 275-W powered subwoofer; without high-gloss cabinets. Black-ash vinyl finish .....\$3,996

### System 270 Home Theater System

6-speaker system featuring powered subwoofer with 12-in driver and 225-W amp; two 2-way D'Appolito-array magnetically-shielded front speakers and one center speaker, each with two 5 $\frac{1}{4}$ -in woofers and one 1-in tweeter; two dipolar surround speakers, each with two 4 $\frac{1}{2}$ -in woofers and two  $\frac{3}{4}$ -in tweeters. Acoustic-suspension enclosures; injection-molded graphite woofers; 80 Hz, 18 dB/oct high-pass filter. Tilting base for center-channel speaker with controls for high-frequency level, midrange presence, and boundary compensation; phase switch; front-panel subwoofer-level control; adjustable 18 dB/oct low-pass filter; auto-standby for subwoofer. Metal speakers stands for front and surround speakers optional. Power handling 10-150 W; crossover points 2.5 kHz front/center, 3 kHz surround; FR 80 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black ash vinyl. Subwoofer: 15 $\frac{1}{4}$  x 21 $\frac{1}{2}$  x 18 $\frac{1}{2}$  in; 62 lb. Center: 17 $\frac{1}{4}$  x 7 $\frac{1}{4}$  x 8 in; 15 lb. Front: 7 x 14 $\frac{1}{2}$  x 8 in; 13 lb. Surround: 11 $\frac{1}{4}$  x 9 x 7 $\frac{1}{2}$  in; 11 lb .....\$2,396

## AUDIO ADVANCEMENTS

### Maxeen 2-Way Speaker

4th-order vented design with 8-in Aergel-cone woofer and 1-in textile-dome tweeter. Cabinet

cross bracing; minimum-phase crossover. Power handling 150 W max; crossover point 1.7 kHz; FR 35 Hz-20 kHz; sens 92 dB; imp 8 ohms. Various finishes available. 39 $\frac{1}{2}$  x 11 x 15 in .....\$2,750/pr

### Maxeena 2-Way Bookshelf Speaker

Vented delay-line design with 6 $\frac{1}{2}$ -in woofer and 1-in silk-dome tweeter. Minimum-phase crossover. Power handling 150 W max; crossover point 1.7 kHz; FR 35 Hz-20 kHz; sens 91 dB; imp 8 ohms. Various finishes available. 17 x 8 x 10 $\frac{1}{2}$  in .....\$1,850/pr

Floor stands .....\$450/pr

## AUDIO CONCEPTS/ACI

### Sapphire III 2-Way Bookshelf Speaker

7-in hybrid-aperiodic Kevlar woofer and 1-in hand-damped textile-dome tweeter. Power handling 200 W; sens 90 dB. Lacquered oak, black oak, lacquered cherry, or unfinished cherry. 10 x 16 x 10 in .....\$1,899/pr

### Titan Powered Subwoofer

12-in woofer; amp rated at 250 W. Crossover point variable from 50-180 Hz; FR 20-150 Hz  $\pm 3$  dB. Lacquered oak, black oak, lacquered cherry, or unfinished cherry. 14 x 27 x 16 in .....\$1,599

### Quake Powered Subwoofer

Dual 8-in woofers; amp rated at 100 W rms. Crossover point variable from 50-180 Hz; FR 34-180 Hz  $\pm 3$  dB. Black finish. 20 x 14 x 14 in .....\$899

### MC1 2-Way Center-Channel Speaker

Dual 5 $\frac{1}{4}$ -in long-throw woofers and one 1-in ferrofluid-cooled tweeter. Magnetic shielding. Power handling 150 W; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. Black finish with black metal grille. 6 $\frac{1}{2}$  x 17 x 6 $\frac{1}{2}$  in .....\$349

### MC2 2-Way Speaker

4-in doped-cone long-throw woofer with rubber surround and 1-in ferrofluid-cooled dome tweeter. Weather-resistant enclosure; magnetic shielding. Power handling 100 W; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. White finish with white metal grille. 8 $\frac{1}{4}$  x 5 $\frac{1}{2}$  x 5 in .....\$349/pr

### B-Flat 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in woofer and 1-in tweeter. Power handling 80 W; FR 60 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. White finish with white metal grille. 12 x 9 x 3 in .....\$299/pr

## AUDIODYNE

The following are available directly from the manufacturer at a discount.

### Omni-Flex Series II 2-Way Speaker

Omnidirectional design with twin transducers coupled to acoustically inert spherical diffuser. Separate cylinder and transfuser; removable transfuser-head assembly; cast-iron housings; isolated crossover network; custom twin-cell wiring; radial slot port to extend bass output. Includes spikes. Power handling 300 W; FR 29 Hz-20 kHz  $\pm 3$  dB; sens 95 dB; imp 16 ohms. Cylinder finished in lacquered light-oak veneer, transfuser in mirrored-black; other finishes available. 5-yr transferable parts-and-labor warranty. 47-in height x 22-in diameter . . \$15,000/pr

## AUDIO ELECTRONICS

### SP-301 2-Way Speaker

Dual 6 $\frac{1}{2}$ -in woofers and one 1 $\frac{1}{4}$ -in soft-dome tweeter. Power handling 100 W; crossover point 2.8 kHz; FR 38 Hz-30 kHz; sens 90 dB; imp 6 ohms. Piano lacquer finish. 7 $\frac{1}{2}$  x 40 x 12 in; 51 lb .....\$1,099/pr

Kit version of above model .....\$799/pr

### SP-1A 2-Way Speaker

15-in woofer and 1-in horn mid/tweeter. FR 31 Hz-21 kHz; sens 94 dB; imp 8 ohms. Cherry-stained clear-coat finish. 19 $\frac{1}{2}$  x 25 x 14 in; 63 lb . . \$999/pr

Kit version of above model .....\$699/pr



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# Speakers

## AUDIO NOTE

### Model 3/L 2-Way Speaker

Bass-reflex design with 8-in paper-cone woofer and 3/4-in ferrofluid-cooled dome tweeter. Audio Note AN-L pure-copper wiring. Imp 6 ohms. Black-ash veneer finish. 14 1/2 x 32 x 11 1/2 in; 43 lb . . . \$2,995/pr  
**Model 3/SPX.** As above with Audio Note AN-SPX pure-silver wiring. Mahogany, ash, or rosewood veneer finish available . . . \$4,795/pr  
**Model 3/SE-Silver.** As Model 3/SPX, with pure-silver voice-coil wiring, pure-silver wire inductors. Bird's-eye maple veneer finish available . . . \$9,750/pr  
**Model 2/L.** As Model 3/L, except 13 x 23 x 9 1/2 in. 28 lb . . . \$1,995/pr

### Model 1/L 2-Way Speaker

Acoustic-suspension design with 8-in paper-cone woofer and 3/4-in ferrofluid-cooled dome tweeter. Audio Note AN-L pure-copper wiring. Imp 8 ohms. Black-ash veneer finish. 10 3/4 x 18 1/2 x 8 1/4 in; 19 lb . . . \$1,295/pr

## AUDIO PHYSIC

*Drivers used in the following are computer-matched to ±0.5 dB tolerance.*

### Medea 2-Way Speaker

Three 8-in woofers and three 8-in midrange/tweeters. Tuned cabinets; patented driver diaphragms. Power handling 400 W; FR 21 Hz-24 kHz -3 dB; sens 91 dB; imp 4 ohms. Gray bird's-eye finish standard; custom finishes available. 9 1/2 x 43 1/4 x 19 1/2 in; 200 lb . . . \$49,995/pr

### Caldera 3-Way Speaker

Two 6-in woofers, two 6 1/2-in midranges, and one 1-in tweeter in 3 separate cabinets. Push-push woofer configuration; pneumatic midrange correction; patented magnet system. Power handling 200 W; FR 32 Hz-22 kHz -3 dB; sens 91 dB; imp 4 ohms. Mahogany finish. 9 x 43 1/4 x 19 1/2 in; 118 lb . . . \$18,995/pr  
 As above, gray bird's-eye finish . . . \$19,995/pr

### Avanti II 3-Way Speaker

Two 6-in woofers, one cast-magnesium midrange, and one 1-in tweeter. Push-push woofer configuration. Power handling 250 W; FR 22 Hz-34 kHz -3 dB; sens 88 dB; imp 4 ohms. Nutbush-root, bird's-eye maple, black ash, or mahogany finish. 6 1/4 x 39 1/4 x 16 1/4 in; 100 lb . . . \$9,495/pr  
 As above, nutbush finish . . . \$10,495/pr

### Rhea Powered Subwoofer

Two 10-in woofers; 300-W amp. Velocity-feedback woofer-impulse control; resonance-free cabinet adjustable for room-size and wall stiffness. Crossover points selectable from 35, 46 or 61 Hz; FR 10-80 Hz -3 dB. Black, cherry, rosenut, bird's-eye maple, or mahogany finish. 29 x 18 1/2 x 18 1/2 in; 88 lb . . . \$5,995

### Virgo 3-Way Speaker

Two 6-in woofers, one 3 1/4-in midrange, and one 3/4-in tweeter. Push-push woofer configuration. Power handling 150 W; FR 34 Hz-21 kHz -3 dB; sens 90 dB; imp 4 ohms. 6 1/4 x 39 1/4 x 16 1/4 in; 57 lb \$5,395/pr  
 As above, anthracite bird's-eye, rosenut, or maple finish . . . \$5,645/pr  
 Metal stand . . . \$225/pr

### Tempo II 2-Way Speaker

6 1/2-in hand-coated paper woofer and 1-in diamond-embossed-aluminum tweeter. Phase-corrected cabinet face; internal diffuser. Power handling 150 W; FR 36 Hz-27 kHz ±3 dB; sens 85 dB; imp 8 ohms. Cherry or anthracite bird's-eye maple finish. 9 x 41 x 18 1/2 in; 56 lb . . . \$3,495/pr

### Luna Powered Subwoofer

Acoustic-suspension design with two 8-in drivers; 150-W amp. Circuitry to reduce ringing in amp. Room EQ adjustment. Crossover point selectable at 32 Hz, 46 Hz, 80 Hz, or 105 Hz; FR 10 Hz-80 Hz. Cherry, black, or anthracite bird's-eye maple finish. 25 x 11 x 16 in; 58 lb . . . \$2,995/pr

### Anniversary Step 2-Way Bookshelf Speaker

Bass-reflex design with 3 1/2-in woofer and 3/4-in plasma-coated tweeter. Low-distortion drive units; woofer directly coupled to inputs; molded tweeter diffusers. Biampable terminals. Power handling 60 W; FR 60 Hz-25 kHz; sens 84 dB; imp 4 ohms. Yew wood or Macassar ebony. 5-yr transferable warranty. 5 1/2 x 13 x 9 in . . . \$2,495/pr

### Spark 2-Way Speaker

Ported 3-chamber design with ceramic-coated woofer and tweeter. Power handling 100 W; FR 38 Hz-25 kHz -3 dB; sens 86 dB; imp 4 ohms. Cherry wood, black-ash veneer, or anthracite bird's-eye maple finish. 5 1/4 x 38 3/4 x 8 1/4 in; 35 lb . . . \$2,495/pr

### Step 2-Way Bookshelf Speaker

3 1/2-in woofer and 3/4-in plasma-coated tweeter. Molded tweeter diffusers; no crossover; woofer directly coupled to inputs; internal diffuser. Power handling 60 W; FR 60 Hz-25 kHz ±3 dB; sens 84 dB; imp 4 ohms. Rosenut, cherry, or black ash finish. 5 1/2 x 13 x 9 in; 11 lb . . . \$1,795/pr

## AUDIOPLEX TECHNOLOGY

### AT-802 2-Way In-Wall Speaker

8-in polypropylene-mica woofer and 1-in neodymium titanium-dome swiveling tweeter. 2nd-order crossovers. Includes mounting brackets. Power handling 90 W max; FR 40 Hz-25 kHz; imp 8 ohms. White. Lifetime warranty. Rectangular frame. Mounting area: 10 x 14 in. Mounting depth 3 1/2 in . . . \$375/pr  
**AT-602.** As above, 6 1/2-in woofer. Power handling 70 W max; FR 50 Hz-25 kHz. Mounting area 8 1/2 x 12 in. Mounting depth 3 in . . . \$330/pr

### AT-6.5 2-Way Ceiling Speaker

6 1/2-in graphite-polycarbonate-cone woofer and 1-in neodymium-dome tweeter. Swivel tweeter. Power handling 80 W rms; FR 55 Hz-20 kHz; imp 8 ohms. White. Lifetime warranty. Round frame. Mounting depth 3 in . . . \$294/pr

### AT-5.25 2-Way In-Wall/Ceiling Speaker

5 1/4-in graphite-polycarbonate-cone woofer and 3/4-in silk-dome tweeter. Swivel tweeter. Spring-clip terminals. Includes mounting brackets. Power handling 60 W rms. White finish. Round frame. Mounting depth 1 1/2 in . . . \$264/pr

### AT-502 2-Way In-Wall Speaker

5-in polypropylene-mica cone woofer and 3/4-in neodymium titanium-dome tweeter. Swivel tweeter; 2nd-order crossovers. Spring-clip terminals. Includes mounting brackets. Power handling 70 W max; FR 60 Hz-22 kHz; imp 8 ohms. White. Lifetime warranty. Rectangular frame. Mounting area: 7 1/2 x 11 in. Mounting depth 2 1/4 in . . . \$255/pr

## AUDIOSOURCE

### SW-Twelve Powered Subwoofer

12-in driver; amp rated at 150 W rms. RCA line-level and spring-loaded speaker inputs and outputs. Phase-reverse switch; auto turn-on/off; input-level control. Crossover point adjustable from 40-180 Hz; FR 30-250 Hz. 16 x 17 x 18 in; 36 lb . . . \$449  
**SW-Eleven.** As above, 10-in driver; 100-W amp. 15 x 15 x 12 in; 32 lb . . . \$399  
**SW-Nine.** As above, 8-in driver; 60-W amp. FR 35 Hz-2.5 kHz. 14 x 15 x 12 in; 31 lb . . . \$299

### Powered System Six/A Home Theater System

6-speaker system featuring SW-Six/A powered subwoofer; 5 satellite speakers, each with 4-in drivers . . . \$399  
**System Six/A.** As above, passive subwoofer \$299

### SW-Two Powered Subwoofer

Tuned-port design with 10-in driver; amp rated at 100 W. RCA and spring-loaded speaker inputs and outputs. Auto turn-on/off; input-level and crossover-point controls. Crossover point variable from 40-180 Hz; FR 20-250 Hz. Black ash woodgrain cabinet. 11 1/2 x 15 x 14 in; 35 lb . . . \$229

### Project One 2-Way Outdoor Speaker

4-in carbon-fiber reinforced-polypropylene woofer and 3/4-in polycarbonate tweeter. Front baffle offset for time/phase alignment; weather-resistant polymer-resin cabinet; magnetic shielding. Integral pivoting bracket doubles as stand. Power handling 100 W; FR 60 Hz-20 kHz; sens 90 dB; imp 8 ohms. White, black, or computer-platinum. 6 1/4 x 9 x 6 1/2 in; 6 lb . . . \$199/pr

### MCSW-One Powered Subwoofer

8-in forward-firing woofer; amp rated at 50 W. Designed for minicomponent systems. RCA and spring-loaded speaker inputs and outputs. Auto on/off; input level control. Crossover point adjustable from 40-180 Hz; FR 30-250 Hz. Black ash woodgrain. 12 x 12 x 12 in . . . \$179

### LS 500 2-Way Bookshelf Speaker

4-in polypropylene woofer and 3/4-in dome tweeter. Power handling 75 W max; FR 80 Hz-20 kHz; sens 91 dB; imp 8 ohms. Black resin enclosure and black metal grille . . . \$139/pr

### LS 300 2-Way Bookshelf Speaker

4-in polypropylene woofer and 3/4-in dome tweeter. Power handling 75 W max; FR 80 Hz-20 kHz; sens 91 dB. Black resin enclosure and black metal grille . . . \$129/pr

### LS 100 3-Way Bookshelf Speaker

4-in polypropylene woofer, 2-in cone midrange, and 1/2-in dome tweeter. Power handling 50 W max; FR 100 Hz-20 kHz; sens 88 dB; imp 8 ohms. Black resin enclosure and black metal grille . . . \$99/pr  
**LS 200.** As above, white . . . \$99/pr

## In-Wall Speakers

### IW-Three 2-Way In-Wall Speaker

8-in woofer and 1-in soft-dome tweeter. Power handling 100 W max; crossover point 2.5 kHz; FR 50 Hz-20 kHz; sens 92 dB; imp 8 ohms. White grille . . . \$250/pr

### IW-Six 2-Way Ceiling Speaker

6 1/2-in woofer and 3/4-in dome tweeter. Power handling 100 W max; sens 91 dB; imp 8 ohms. White grille. Round frame. Mounting depth 3 in . . . \$200/pr

### IW-Two 2-Way In-Wall Speaker

6 1/2-in polycarbonate woofer and 1-in soft-dome tweeter. Power handling 75 W max; crossover point 3 kHz; FR 70 Hz-20 kHz; sens 90 dB; imp 8 ohms. White grille . . . \$200/pr

### IW-Four In-Wall Subwoofer

8-in woofer. Power handling 100 W max; crossover point 120 Hz; FR 30-500 Hz; sens 90 dB; imp 8 ohms. White grille . . . \$150

### IW-Five 2-Way Ceiling Speaker

5 1/4-in graphite-polypropylene woofer and 3/4-in center-mounted dome tweeter. Power handling 75 W max; FR 80 Hz-20 kHz; sens 91 dB; imp 8 ohms. White grille. Mounting depth 3 in . . . \$130/pr

### IW-One 2-Way In-Wall Speaker

5 1/4-in polycarbonate woofer and 1/2-in polyimide tweeter. Power handling 75 W max; crossover point 5 kHz; FR 80 Hz-20 kHz; sens 90 dB; imp 8 ohms. White grille . . . \$130/pr

## AUDIOVECTOR

*The following use a bass-reflex design, have a cherry, black, or rosewood finish, and carry a 5-year warranty.*

### AV3C 2-Way Center-Channel Speaker

Two 6-in carbon-fiber-reinforced woofers and one 1-in dome tweeter. Magnetic shielding. Biampable terminals. Power handling 150 W; FR 55 Hz-22 kHz ±2 dB; sens 92 dB; imp 8 ohms. 19 1/2 x 7 1/4 x 10 1/4 in; 12 lb . . . \$945  
**AV3C Super.** Upgraded version of above. FR 45 Hz-22 kHz ±2 dB . . . \$1,345

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# Speakers

## M Series

The following are upgradable and feature patented low-compression treble systems and NRFB cabinets.

### M3 Signature 2-Way Speaker

Two 6-in carbon-fiber-reinforced woofers and one 1-in soft-dome tweeter. Front/rear sandwich baffle. Triampable terminals. Power handling 330 W; FR 30 Hz-25 kHz  $\pm 2$  dB; sens 90 dB; imp 8 ohms. 7 $\frac{1}{4}$  x 40 x 12 in; 57 lb .....\$4,295/pr  
**M3.** As above, power handling 250 W; sens 90.5 dB. Upgradable to M3 Signature. 7 $\frac{1}{4}$  x 40 x 11 $\frac{1}{2}$  in; 53 lb .....\$3,395/pr

### M2 2-Way Speaker

Two 6-in carbon-fiber-reinforced woofers and one 1-in dome tweeter. Upgradable to M3. Triampable terminals. Power handling 200 W; FR 40 Hz-22 kHz  $\pm 2$  dB; sens 91.5 dB; imp 8 ohms. Rosewood finish. 7 $\frac{1}{4}$  x 40 x 11 $\frac{1}{2}$  in; 46 lb .....\$2,495/pr  
 As above, cherry finish .....\$2,345/pr  
 As above, black ash finish .....\$2,295/pr

### M1 Signature 2-Way Bookshelf Speaker

6-in carbon-fiber-reinforced woofer and 1-in dome tweeter. Front and rear sandwich baffle. Biampable terminals. Power handling 175 W; FR 45 Hz-25 kHz  $\pm 2$  dB; sens 87 dB; imp 8 ohms. 7 $\frac{1}{4}$  x 13 $\frac{1}{4}$  x 11 in; 14 lb .....\$2,345/pr

### M1 Super 2-Way Bookshelf Speaker

6-in carbon-fiber-reinforced woofer and 1-in dome tweeter. Upgradable to M1 Signature. Biampable terminals. Power handling 150 W; FR 50 Hz-22 kHz  $\pm 2$  dB; sens 87 dB; imp 8 ohms. 7 $\frac{1}{4}$  x 13 $\frac{1}{4}$  x 10 $\frac{1}{2}$  in; 13 lb .....\$1,645/pr

### M1 2-Way Bookshelf Speaker

6-in carbon-fiber-reinforced woofer and 1-in dome tweeter. Upgradable to M1 Super. Biampable terminals. Power handling 100 W; FR 55 Hz-22 kHz  $\pm 2$  dB; sens 87 dB; imp 8 ohms. 7 $\frac{1}{4}$  x 13 $\frac{1}{4}$  x 10 in; 11 lb .....\$1,245/pr

## AURA

The following have magnetic shielding and a woodgrain vinyl finish.

### LSCP-2 Home Theater System

6-speaker system featuring with subwoofer with 10-in polypropylene-cone driver and 100-W amp; center speaker with two 5 $\frac{1}{4}$ -in polypropylene woofers and monopole tweeter; four satellite speakers, each with 5 $\frac{1}{4}$ -in polypropylene woofer and monopole tweeter. Proprietary tweeter technology; wood cabinets. 5-way binding posts for each speaker. Power handling 100 W; crossover point 2.8 kHz; FR 55 Hz-17.5 kHz satellite, 48 Hz-17.5 kHz center; sens 88 dB; imp 6 ohms. 5-yr warranty. Subwoofer: 15 $\frac{1}{2}$  x 16 x 15 $\frac{1}{2}$  in. Center: 16 x 6 $\frac{1}{4}$  x 10 $\frac{1}{4}$  in. Satellite 6 $\frac{1}{4}$  x 11 $\frac{1}{2}$  x 8 $\frac{1}{2}$  in .....\$950

### LST-837D 3-Way Speaker

Bass-reflex design with 8-in polypropylene woofer with butyl-rubber surround; 5 $\frac{1}{4}$ -in polypropylene-cone midrange; dipole tweeter. Wood cabinet. 5-way binding posts. Power handling 150 W; crossover points 350 Hz and 2.8 kHz; FR 37 Hz-17.5 kHz  $\pm 3$  dB; sens 88 dB; imp 6 ohms. 5-yr warranty. 10 x 33 x 15 $\frac{1}{2}$  in; 36 lb .....\$700/pr

### LST-827D 2-Way Speaker

Bass-reflex design with 8-in polypropylene woofer with butyl-rubber surround; dipole tweeter. Wood cabinet. 5-way binding posts. Power handling 150 W; crossover point 2.0 kHz; FR 37 Hz-17.5 kHz  $\pm 3$  dB; sens 88 dB; imp 6 ohms. 5-yr warranty. 10 x 30 x 14 $\frac{1}{2}$  in; 29 lb .....\$480/pr  
**LST-627M.** As above with 6 $\frac{1}{4}$ -in polypropylene woofer with butyl-rubber surround; monopole tweeter. Power handling 125 W; crossover point 2.2 kHz; FR 38 Hz-17.5 kHz  $\pm 3$  dB; sens 88 dB; imp 6 ohms. 8 x 34 x 10 $\frac{1}{4}$  in; 26 lb .....\$400/pr

### LSS-107a Powered Subwoofer

10-in polypropylene woofer with butyl-rubber surround; 100-W amp. Wood cabinet. 5-way binding posts. Sens 90 dB. 15 $\frac{1}{2}$  x 16 x 15 $\frac{1}{2}$  in; 33 lb ...\$370

### LSB-627M 2-Way Bookshelf Speaker

Bass-reflex design with 6 $\frac{1}{4}$ -in polypropylene woofer and monopole tweeter. Proprietary tweeter technology; low-frequency alignment. 5-way binding posts. Power handling 125 W; crossover point 2.2 kHz; FR 48 Hz-17.5 kHz  $\pm 3$  dB; sens 88 dB; imp 6 ohms. 5-yr warranty. 8 x 14 x 11 $\frac{1}{4}$  in; 13 lb .....\$270/pr

### LSB-527M 2-Way Bookshelf Speaker

Bass-reflex design with 5 $\frac{1}{4}$ -in polypropylene woofer and monopole tweeter. Proprietary tweeter technology; wood cabinet. 5-way binding posts. Power handling 100 W; crossover point 2.8 kHz; FR 55 Hz-17.5 kHz  $\pm 3$  dB; sens 88 dB; imp 6 ohms. 5-yr warranty. 6 $\frac{1}{4}$  x 11 $\frac{1}{2}$  x 8 $\frac{1}{2}$  in; 8 lb .....\$200/pr

### LSC-537M 2-Way Center-Channel Speaker

Bass-reflex design with two 5 $\frac{1}{4}$ -in polypropylene woofers with butyl-rubber surrounds; monopole tweeter. Wood cabinet. 5-way binding posts. Power handling 100 W; crossover point 2.8 kHz; FR 48 Hz-17.5 kHz  $\pm 3$  dB; sens 88 dB; imp 6 ohms. 5-yr warranty. 16 x 6 $\frac{1}{4}$  x 10 $\frac{1}{4}$  in; 12 lb .....\$180

## AVALON ACOUSTICS

The following have an ash, cherry, or walnut hardwood finish and, unless indicated otherwise, carry a limited 5-year warranty.

### Osiris Reference Transducer Speaker System

Two 13-in polypropylene-Kevlar-composite cone subwoofers, one 9-in Nomex-Kevlar-composite cone woofer, one 2-in aluminum-magnesium dome midrange, one 1-in titanium-dome tweeter, and one 1-in concave ceramic-dome supertweeter. Two speaker cabinets and two crossover cabinets per channel. Power handling 1,000 W; FR 20 Hz-40 kHz system; sens 88 dB; imp 4 ohms. 17 x 75 x 48 in; 2,200 lb .....\$72,000

### Eidolon Dynamic Transducer 3-Way Speaker

11-in Nomex-Kevlar woofer, 3 $\frac{1}{2}$ -in concave ceramic-dome midrange, and 1-in ceramic-dome tweeter. Power handling 500 W; sens 87 dB; imp 4 ohms. 12 x 44 x 17 in; 150 lb .....\$19,500/pr

### Radian HC 3-Way Speaker

Two 9-in Nomex-Kevlar woofers, one 3 $\frac{1}{2}$ -in Nomex-Kevlar-composite midrange, and one 1-in titanium-dome tweeter. Power handling 500 W; FR 20 Hz-24 kHz; sens 88 dB; imp 4 ohms. 12 x 48 x 19 in; 170 lb .....\$12,995/pr

### Eclipse 2-Way Speaker

9-in Nomex-Kevlar-composite woofer and 1-in titanium-dome tweeter. Power handling 300 W; FR 35 Hz-24 kHz; sens 86 dB; imp 6 ohms. 11 x 39 x 15 in; 95 lb .....\$7,900/pr

### Arcus 2-Way Speaker

8 $\frac{1}{2}$ -in Nomex-Kevlar-composite woofer and 1-in titanium inverted-dome tweeter. Power handling 150 W; FR 35 Hz-24 kHz; imp 5 ohms. 3-yr warranty. 9 $\frac{1}{2}$  x 37 x 13 in; 70 lb .....\$6,995/pr

### Avatar 2-Way Speaker

8-in Nomex-Kevlar-composite woofer and 1-in titanium-dome tweeter. Power handling 200 W; Sens 85 dB; imp 6 ohms. 10 x 34 x 13 in; 65 lb ...\$5,395/pr

### Monitor 2-Way Bookshelf Speaker

7-in Nomex-Kevlar-composite woofer and 1-in titanium-dome tweeter. Power handling 150 W; Sens 87 dB; imp 6 ohms. Ash, cherry, or walnut hardwood finish. 9 x 18 x 11 in; 31 lb ...\$3,295/pr

## AVANTGARDE ACOUSTIC

The following are imported from Germany. They have 80-W amps and a bass-level control and

phase switch. Custom colors are available for an extra \$1,000. Enhanced subwoofers are an additional \$800.

### Trio System 4-Way Speaker/Powered Subwoofer

Built-in powered subwoofer with four 7-in woofers; speaker section with 38-in horn midrange, 23-in horn midrange, and 7 $\frac{1}{4}$ -in horn tweeter. Crossover point selectable at 100 Hz, 600 Hz, and 4 kHz; FR 22 Hz-20 kHz; sens 106 dB; imp 8 ohms. 52 x 67 x 33 in; 267 lb .....\$38,900  
**Trio Compact.** As above, compact design. 38 x 67 x 33 in; 227 lb .....\$36,900

### Duo 3-Way Speaker/Powered Subwoofer

Built-in powered subwoofer with two 7-in woofers; speaker section with 27-in horn midrange and 7 $\frac{1}{4}$ -in horn tweeter. Crossover points 170 Hz and 2 kHz; FR 22 Hz-20 kHz; sens 103 dB; imp 8 ohms. 27 x 68 x 28 in; 140 lb .....\$13,900

### Uno 3-Way Speaker/Powered Subwoofer

Built-in powered subwoofer with two 7-in woofers; speaker section with 23-in horn midrange and 7 $\frac{1}{4}$ -in horn tweeter. Crossover points 220 Hz and 3.5 kHz; FR 22 Hz-20 kHz; sens 99 dB; imp 8 ohms. 23 x 60 x 27 in; 106 lb .....\$9,100

## AVID DYNAMICS

### Home Video Series

The following are finished in black ash or oak vinyl with matching grilles and carry a 5-year parts-and-labor warranty.

### Tower 3-Way Speaker

8-in polypropylene woofer, 4 $\frac{1}{2}$ -in polypropylene midrange, and 1-in dome tweeter. FR 34 Hz-22 kHz; imp 8 ohms. 10 x 33 x 10 in .....\$600/pr

### The Ideal 2-Way Speaker

9-in polypropylene-cone woofer and 1-in soft-dome tweeter. Crossover point 2.8 kHz; FR 40 Hz-25 kHz; sens 92 dB; imp 8 ohms. 11 $\frac{1}{2}$  x 18 $\frac{1}{2}$  x 7 $\frac{1}{4}$  in .....\$400/pr

### The Neat 2-Way Bookshelf Speaker

Bass-reflex design with 7-in polypropylene woofer and 3 $\frac{1}{4}$ -in ferrofluid-cooled hard-dome tweeter. Crossover point 5.5 kHz; FR 53 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. 11 x 18 x 8 in ...\$290/pr  
**The Peanut.** As above, 5 $\frac{1}{4}$ -in polypropylene woofer. Crossover point 8 kHz; FR 65 Hz-20 kHz  $\pm 3$  dB; sens 89 dB. 6 $\frac{1}{2}$  x 10 x 7 in .....\$220/pr

### Sterling Series

The following are finished in walnut vinyl with a brown double-knit grille and carry a 5-year parts-and-labor warranty.

### 102 2-Way Speaker

10-in polypropylene woofer and 1-in soft-dome tweeter. Sens 90 dB; imp 8 ohms. 13 x 27 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in .....\$520/pr

### 80 2-Way Bookshelf Speaker

8-in polypropylene woofer and 1-in dome tweeter. Sens 90 dB; imp 8 ohms. 11 x 17 $\frac{1}{2}$  x 9 in ...\$380/pr

### 60 2-Way Bookshelf Speaker

6 $\frac{1}{2}$ -in polypropylene woofer and 3 $\frac{1}{4}$ -in hard-dome tweeter. Crossover point 3.5 kHz; FR 65 Hz-20 kHz; sens 90 dB; imp 8 ohms. 9 $\frac{1}{4}$  x 15 $\frac{1}{2}$  x 7 $\frac{1}{2}$  in .\$.275/pr

### Linear K Series

The following feature a black Bahi finish and black grilles and carry a 5-year warranty.

### K-90 2-Way Speaker

9-in polypropylene-cone woofer and 1-in dome tweeter. Crossover point 3.5 kHz; FR 42 Hz-27 kHz; sens 98 dB; imp 8 ohms. 12 $\frac{1}{2}$  x 23 x 9 $\frac{1}{2}$  in .\$.400/pr

### K-70 2-Way Speaker

7-in polypropylene-cone woofer and 3 $\frac{1}{4}$ -in polypropylene-carbon tweeter. Crossover point 5 kHz; FR

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# Speakers

45 Hz-25 kHz; sens 94 dB; imp 8 ohms. 8 1/4 x 13 1/2 x 7 1/2 in .....\$300/pr

## Continental Series

### Model 80/2 2-Way Bookshelf Speaker

8-in woofer and 3/4-in dome tweeter. Light walnut-grain finish with black double-knit grille. 9 1/2 x 14 1/2 x 6 in .....\$340/pr

Model 60/2. As above, 6 1/2-in woofer .....\$250/pr

## AVLAR RESEARCH TECHNOLOGY

### TFT-1 2-Way Speaker

Bass-reflex design with 6 1/2-in trilaminate woofer with rubber surround and 10 1/2 square-in Avlar thin-film transducer midrange/tweeter. Accelerated-velocity linear-amplitude response; phase-coherent crossover; low-diffraction cabinet design. Dual gold-plated binding posts for biamping. Power handling 250 W; crossover point 1.5 kHz; FR 45 Hz-23 kHz  $\pm 3$  dB; sens 92 dB; imp 8 ohms. Black oak vinyl finish. 5-yr parts-and-labor warranty. 9 3/4 x 15 x 14 1/4 in; 20 lb .....\$899/pr

## A.W.H.

### AWH180A Bipolar Speaker

Bipolar design with two full-range Mylar drivers. Magnetic shielding. Power handling 100 W max; FR 20 Hz-20 kHz  $\pm 3$  dB; sens 96 dB; imp 8 ohms. Black. 12 1/2 x 60 x 2 1/2 in; 60 lb .....\$1,100/pr

AWH90A. As above, power handling 75 W max; FR 40 Hz-20 kHz  $\pm 3$  dB; sens 91 dB. 12 x 24 x 2 1/2 in; 15 lb .....\$416/pr

## AXIOM

The following are available in black or rosewood.

### AX 5 3-Way Speaker

Dual-enclosure design with 10-in woofer, 5-in woofer, and 1-in dome tweeter. Power handling 400 W; crossover point 300 Hz; FR 29 Hz-22 kHz  $\pm 2$  dB; sens 87 dB; imp 6 ohms. 36 x 12 x 12 in; 104 lb .....\$1,499/pr

### AX 500A Powered Subwoofer

10-in woofer; 180-W amp. Crossover point 120 Hz; FR 20-120 Hz  $\pm 3$  dB; sens 88 dB. 30 x 12 x 14 in; 56 lb .....\$999

### AX 3 3-Way Speaker

Dual-enclosure design with 8-in woofer, 5-in woofer, and 1-in dome tweeter. Power handling 300 W; crossover point 300 Hz; FR 36 Hz-22 kHz  $\pm 2$  dB; sens 88 dB; imp 6 ohms. 36 x 10 x 10 in; 84 lb .....\$849/pr

### AX 2+2 2-Way Speaker

Tuned-port design with two 8-in woofers and one 1-in dome tweeter. Power handling 250 W; crossover point 2.5 kHz; FR 40 Hz-22 kHz  $\pm 3$  dB; sens 93 dB; imp 6 ohms. 31 x 10 x 11 in; 84 lb .....\$699/pr

### AX 150A Powered Subwoofer

10-in woofer; 100-W amp. Crossover point 120 Hz; FR 25-120 Hz  $\pm 3$  dB; sens 89 dB. 30 x 12 x 14 in; 48 lb .....\$649

### AX 500 Subwoofer

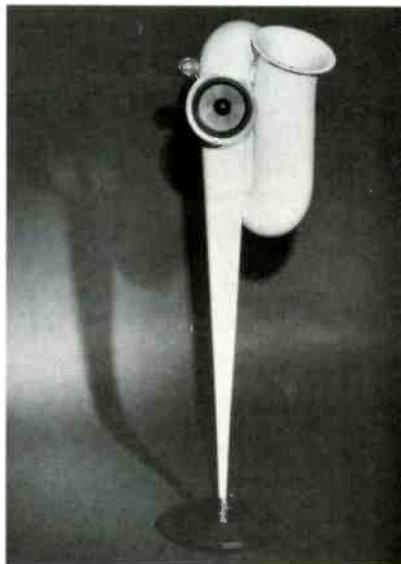
Tuned-port design with 10-in woofer. Power handling 400 W; crossover point 120 Hz; FR 29-120 Hz; sens 91 dB; imp 8 ohms. 24 x 12 x 14 in; 38 lb .....\$599

### AX 1 2-Way Speaker

Tuned-port design with 5-in woofer and 1-in dome tweeter. Power handling 150 W; crossover point 300 Hz; FR 70 Hz-22 kHz  $\pm 2$  dB; sens 87 dB; imp 6 ohms. 11 x 6 x 6 in; 23 lb .....\$549/pr

### AX 2 2-Way Speaker

Tuned-port design with 8-in woofer and 1-in dome tweeter. Power handling 250 W; crossover point 3.2 kHz; FR 40 Hz-22 kHz  $\pm 2$  dB; sens 89 dB; imp 8 ohms. 24 x 10 x 10 in; 56 lb .....\$549/pr



B&W Emphasis

AX 2 2-Way Bookshelf Speaker. As above, FR 43 Hz-22 kHz  $\pm 2$  dB. 19 x 10 x 10 in; 48 lb .....\$449/pr

### AX 120A Powered Subwoofer

8-in woofer; 80-W amp. Crossover point 120 Hz; FR 30-120 Hz  $\pm 3$  dB; sens 89 dB; imp ohms. 19 x 10 x 11 in; 24 lb .....\$399

### AX 1.5 2-Way Speaker

Tuned-port design with 6 1/2-in woofer and 3/4-in dome tweeter. Power handling 150 W; crossover point 3.5 kHz; FR 45 Hz-22 kHz  $\pm 2$  dB; sens 89 dB; imp 8 ohms. 19 x 8 x 8 in; 36 lb .....\$299/pr

AX 1.5 2-Way Bookshelf Speaker. As above, FR 50 Hz-22 kHz  $\pm 2$  dB. 15 x 8 x 8 in; 23 lb .....\$249/pr

### AX 150 Subwoofer

Tuned-port design with 10-in woofer. Power handling 250 W; crossover point 120 Hz; FR 35-120 Hz; sens 91 dB; imp 8 ohms. 24 x 12 x 14 in; 36 lb .....\$299

### AX 1.2 2-Way Speaker

Tuned-port design with 5-in woofer and 3/4-in dome tweeter. Power handling 125 W; crossover point 3.5 kHz; FR 70 Hz-22 kHz; sens 91 dB; imp 8 ohms. 11 x 6 x 8 in; 15 lb .....\$199/pr

### AX 120 Subwoofer

Tuned-port design with 8-in woofer. Power handling 200 W; crossover point 120 Hz; FR 40-120 Hz; sens 91 dB; imp 8 ohms. 10 x 12 x 12 in; 15 lb .....\$199

### AX 1.2CC 2-Way Speaker

Acoustic-suspension design with two 5-in woofers and one 3/4-in dome tweeter. Power handling 150 W; crossover point 120 Hz; FR 90 Hz-22 kHz  $\pm 3$  dB; sens 92 dB; imp 8 ohms. 16 x 6 x 7 in; 11 lb .....\$129

## BAG END

The following carry a 6-year warranty. All 2-way speakers have time-aligned drivers; unless otherwise noted, all subwoofers are designed to be used with Bag End's patented ELF (Extended Low Frequency) processor.

### MM-8H 2-Way Speaker

Bass-reflex design with 8-in cone woofer and 1 1/4-in aluminum tweeter. Power handling 100 W; FR 70 Hz-19 kHz; sens 84 dB; imp 8 ohms. Walnut and black enclosure with removable black-cloth grille. 12 1/4 x 17 1/2 x 8 in .....\$2,264/pr

### Infrasub Powered Subwoofer

Acoustic-suspension design with 18-in driver; amp

rated at 400 W. Fiberboard enclosure; built-in ELF integrator. FR 8-90 Hz with ELF engaged; sens 92 dB; imp 4 ohms. Black finish. 22 x 22 x 18 in .....\$1,495

Infra-18/R. As above, rosewood finish .....\$2,895

Infra-18/M. As above, bird's-eye maple finish .....\$2,795

Infra-18/W. As above, black walnut finish .....\$2,495

Infra-18/O. As above, red oak .....\$2,395

## S18E-I Subwoofer

Acoustic-suspension design with 18-in driver; requires outboard ELF processor. Fiberboard enclosure. Power handling 400 W with ELF engaged; FR 8-70 Hz with ELF engaged; sens 92 dB; imp 8 ohms. Black. 22 x 22 x 18 in; 80 lb .....\$820

D10E-I. As above, two 10-in drivers. Imp 4 ohms. Oak veneer finish. 22 x 13 x 13 in; 54 lb .....\$710

S10E-I. As above, black .....\$420

## S12E-I Subwoofer

Acoustic-suspension design with 12-in driver; requires outboard ELF processor. Power handling 150 W with ELF engaged; FR 8-70 Hz with ELF engaged; sens 92 dB; imp 8 ohms. Black finish. 14 1/2 x 13 x 11 1/2 in; 26 lb .....\$520

D12E-I. As above, two 12-in subwoofers .....\$790

## B&W

### Signature 30 3-Way Speaker

Bass-reflex design with 7-in aluminum-cone woofer, 7-in Kevlar midrange, and 1-in metal-dome tweeter. Silver wiring, matrix enclosure; acoustically isolated crossover. Biampable terminals. Includes floor spikes. Power handling 200 W; crossover points 150 Hz and 3 kHz; FR 38 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. Gray tiger's-eye or red bird's-eye maple. 5-yr warranty. 10 3/4 x 40 1/2 x 15 in; 82 lb .....\$12,000/pr

### Emphasis 2-Way Speaker

Bass-reflex design with 6 1/2-in Kevlar woofer and 1-in metal-dome tweeter. Saxophone-shaped enclosure. One set of 5-way binding posts. Includes pedestal stands. Power handling 120 W; crossover point 3 kHz; FR 45 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. Black or white. 5-yr warranty. 16 1/2 x 54 x 14 in; 77 lb .....\$9,000/pr

### Silver Signature 2-Way Speaker

Bass-reflex design with 6 1/2-in Kevlar woofer and 1-in metal-dome tweeter. Biampable binding posts. Includes stands and cables. Power handling 120 W; crossover point 3 kHz; FR 35 Hz-22 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. Bird's-eye maple or Bobbing root. 5-yr warranty. 10 x 17 1/4 x 9 1/2 in; 30 lb .....\$8,000/pr

### NHTM 1 3-Way Center-Channel Speaker

Flared-port bass-reflex design with two 6 1/2-in paper/Kevlar woofers, one 6-in Kevlar midrange, and one 1-in metal-dome tweeter. Matrix bass enclosure; waveguide tweeter enclosure; time-aligned driver configuration. 2 sets of biampable 5-way binding posts. Includes rubber feet. Power handling 250 W; crossover points 350 Hz and 4 kHz; FR 42 Hz-22 kHz; sens 90 dB; imp 8 ohms. Round cabinet corners; black ash, red cherry, or natural cherry real-wood veneer. 5-yr warranty. 31 x 13 x 12 in; 36 lb .....\$2,000

### ASW-3000 Powered Subwoofer

Vented design with 15-in forward-firing driver; amp rated at 300 W. Magnetic shielding. Line- and speaker-level inputs and outputs. Level and phase controls. Includes floor spikes. Crossover point variable from 40-140 Hz; FR 18-140 Hz. Black ash vinyl. 5-yr warranty. 24 x 22 1/4 x 23 1/2 in; 110 lb .....\$1,500

ASW-2000. As above, 12-in driver and 175-W amplifier. FR 22-140 Hz. 21 1/2 x 19 1/4 x 19 1/4 in; 77 lb .....\$1,000

ASW-1000. As above, 120 W-amp. FR 25-140 Hz. 21 1/4 x 18 x 19 1/4 in; 66 lb .....\$700

### SCM-8 2-Way THX Dipolar Surround Speaker

Acoustic-suspension dipolar design with two 6 1/2-in

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- Andrew Marshall, Audio Ideas Guide, on the Monitor 90P

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# Speakers

Kevlar woofers and two 1½-in fluid-cooled metal-dome tweeters. THX-certified; magnetic shielding. Power handling 200 W; crossover point 3 kHz; FR 105 Hz-25 kHz -6 dB; sens 87 dB; imp 4 ohms. Black ash finish. 14¼ x 14 x 9½ in; 24 lb . \$1,500/pr

## PCS-8 THX Subwoofer

Bass-reflex design with 12-in woofer. THX-certified; magnetic shielding. Power handling 200 W; FR 35-150 Hz; sens 89 dB; imp 8 ohms. Black ash finish. 22½ x 23½ x 23½ in; 70 lb . \$1,250

## FCM-8 2-Way THX Speaker

Acoustic-suspension design with two 6½-in Kevlar woofers and three 1-in fluid-cooled metal-dome tweeters. THX-certified; magnetic shielding. Power handling 200 W; crossover point 3 kHz; FR 80 Hz-22 kHz -3 dB; sens 90 dB; imp 6 ohms. Black ash finish. 10¼ x 23½ x 9 in; 28 lb . \$1,000

## NHTM 2 2-Way Center-Channel Speaker

Flared-port bass-reflex design with 6½-in woofer and 1-in metal-dome tweeter. Matrix bass enclosure; waveguide tweeter enclosure; time aligned driver configuration. 2 sets of biampable 5-way binding posts. Includes rubber feet. Power handling 120 W; crossover point 4 kHz; FR 50 Hz-22 kHz; sens 88 dB; imp 8 ohms. Round cabinet corners; black-ash, red-cherry, or natural-cherry real wood veneer. 5-yr warranty. 19 x 11 x 11 in; 20 lb . \$1,000

## Nautilus 800 Series

The following use a flared-port bass-reflex design with a matrix bass enclosure, waveguide midrange and tweeter enclosures, and a time-aligned driver configuration. All have 2 sets of biampable 5-way binding posts. The cabinets have rounded corners and come in black ash, red cherry, and natural cherry real-wood veneers. All have a 5-year warranty.

## N801 3-Way Speaker

15-in paper/Kevlar woofer, 6-in Kevlar midrange, and 1-in metal-dome tweeter. Includes rolling casters and metal plinth. Power handling 1000 W; crossover points 350 Hz and 4 kHz; FR 29 Hz-22 kHz ±3 dB; sens 91 dB; imp 8 ohms. 21 x 44 x 27 in; 229 lb . \$11,000/pr

**N802.** As above, two 8-in paper/Kevlar woofer. Power handling 500 W; FR 34 Hz-22 kHz ±3 dB. 15 x 44 x 22 in; 154 lb . \$8,000/pr

## N803 3-Way Speaker

Two 7-in paper/Kevlar woofer, one 6-in Kevlar midrange, and one 1-in metal-dome tweeter. Includes floor spikes. Power handling 250 W; crossover points 350 Hz and 4 kHz; FR 35 Hz-22 kHz ±3 dB; sens 90 dB; imp 8 ohms. 11 x 42 x 17 in; 66 lb . \$5,000/pr

**N804.** As above, two 6½-in paper/Kevlar woofers. Power handling 200 W; FR 38 Hz-22 kHz ±3 dB; sens 89 dB. 9 x 40 x 14 in; 54 lb . \$3,500/pr

## N805 2-Way Bookshelf Speaker

6½-in Kevlar woofer and 1-in metal-dome tweeter. Includes rubber feet. Power handling 120 W; crossover point 4 kHz; FR 49 Hz-22 kHz ±3 dB; sens 88 dB; imp 8 ohms. 9 x 16 x 14 in; 20 lb . \$2,000/pr

## CDM Series

### CDM-7SE 3-Way Speaker

Vented design with 6½-in paper/Kevlar woofer, 6½-in Kevlar midrange, and 1-in alloy free-field tweeter. Biampable terminals. Includes floor spikes. Power handling 30-150 W; crossover points 150 Hz and 3 kHz; FR 40 Hz-20 kHz ±3 dB; sens 90 dB; imp 8 ohms. Black ash, red ash, or cherry wood veneer. 5-yr warranty. 8¼ x 37¼ x 11¼ in; 41 lb . \$1,800/pr

### CDM-1SE 2-Way Speaker

Bass-reflex design with 6½-in Kevlar woofer and 1-in fluid-cooled metal-dome tweeter. Biampable terminals. Power handling 120 W; crossover point 3 kHz; FR 58 Hz-20 kHz ±3 dB; sens 88 dB; imp 8

ohms. Red ash, black, or cherry veneer finish. 8¼ x 14¼ x 10¼ in; 18 lb . \$1,100/pr  
**CDM-2SE.** As above, FR 70 Hz-20 kHz ±2 dB; sens 87 dB. 8¼ x 12¼ x 9½ in; 16 lb . \$800/pr

### CDM-CSE 2-Way Center-Channel Speaker

Bass-reflex design with 6½-in Kevlar woofer and 1-in alloy-dome free-field tweeter. Magnetic shielding. 2 sets of biampable 5-way binding posts. Power handling 120 W; crossover point 3 kHz; FR 50 Hz-20 kHz ±3 dB; sens 90 dB; imp 8 ohms. Black ash veneer finish. 5-yr warranty. 18¼ x 10¼ x 10¼ in; 23 lb . \$550

## Digital Monitor 600 Series

The following have biwireable terminals and a black ash vinyl finish.

### DM 604 3-Way Speaker

Bass-reflex design with two 7-in Cobex woofers, one 7-in Kevlar midrange, and one 1-in fluid-cooled metal-dome tweeter. Power handling 200 W; crossover points 450 Hz and 3 kHz; FR 44 Hz-20 kHz ±3 dB; sens 90 dB; imp 8 ohms. 9¼ x 39¼ x 16¼ in; 62 lb . \$1,600/pr

### DM 603 2-Way Speaker

Bass-reflex design with 7-in Kevlar woofer, 7-in passive radiator, and 1-in fluid-cooled metal-dome tweeter. Power handling 120 W; crossover point 3 kHz; FR 47 Hz-20 kHz ±3 dB; sens 90 dB; imp 8 ohms. 9¼ x 33½ x 12 in; 38 lb . \$1,000/pr

### DS 6 2-Way THX Dipolar Surround Speaker

Dipolar acoustic-suspension design with one 5-in Kevlar woofer and two 3-in paper high-frequency drivers. Power handling 100 W; crossover point 250 Hz; FR 85 Hz-12 kHz ±3 dB; sens 89 dB; imp 8 ohms. Black or white finish. 15 x 9¼ x 6 in; 13 lb . \$600/pr  
**CDS 6.** In-wall version of DS 6. Includes mounting kit. White finish. 11¼ x 14¼ x 2¼ in . \$600/pr

### DM 602 2-Way Speaker

Bass-reflex design with 7-in Kevlar woofer and 1-in fluid-cooled metal-dome tweeter. Power handling 120 W; crossover point 3 kHz; FR 52 Hz-20 kHz ±3 dB; sens 90 dB; imp 8 ohms. 9¼ x 19¼ x 12 in; 22 lb . \$550/pr

### DM 601 2-Way Speaker

Bass-reflex design with 6½-in Kevlar woofer and 1-in fluid-cooled metal-dome tweeter. Power handling 100 W; crossover point 3 kHz; FR 70 Hz-20 kHz ±3 dB; sens 88 dB; imp 8 ohms. 8 x 14 x 9½ in; 13 lb . \$400/pr

### CC 6 2-Way Center-Channel Speaker

Bass-reflex design with two 5-in Kevlar woofers and one 1-in fluid-cooled metal-dome tweeter. Magnetic shielding. Power handling 120 W; crossover point 3 kHz; FR 78 Hz-20 kHz ±3 dB; sens 89 dB; imp 8 ohms. Black ash vinyl finish. 17¼ x 6 x 10½ in; 14 lb . \$350

## In-Wall Series

The following have a semi-matte white finish.

### Signature Seven 2-Way In-Wall Speaker

7-in Kevlar woofer and 1-in metal-dome tweeter. Overload-protection circuitry. Power handling 150 W; crossover point 3 kHz; FR 40 Hz-20 kHz ±3 dB; sens 88 dB; imp 8 ohms. 11¼ x 14¼ x 4 in \$1,000/pr

### CWM-8i 2-Way In-Wall Speaker

8-in polypropylene woofer and 1-in metal-dome tweeter. Overload protection circuitry. Power handling 100 W; crossover point 3 kHz; FR 40 Hz-20 kHz ±3 dB; sens 90 dB; imp 4 ohms. 11¼ x 14¼ x 3¼ in . \$650/pr  
**CWM-6i.** As above, 6½-in woofer. Power handling 70 W; FR 55 Hz-20 kHz ±3 dB; sens 89 dB; imp 6 ohms. 9¼ x 13¼ x 3 in . \$450/pr  
**CWM-5.** As above, 5-in woofer. Power handling 70 W; crossover point 3.5 kHz; FR 75 Hz-20 kHz ±3 dB; sens 87 dB; imp 8 ohms. 6¼ x 9 x 3 in . \$300/pr

## CCM 60 2-Way In-Wall Speaker

Coaxial design with 6½-in polypropylene woofer and 1-in polyester-film tweeter. Can be mounted flush with wall or ceiling. Power handling 80 W; crossover point 5 kHz; FR 60 Hz-20 kHz ±3 dB; sens 90 dB; imp 4 ohms. Round frame. Mounting diameter: 9 in. Mounting depth 3¼ in . . \$200/pr

## 300 Series

The following have a 1-in soft-dome tweeter and proprietary Prism enclosure.

### DM 305 2-Way Speaker

Vented design with 6½-in doped-paper woofer. 4th-order Butterworth filters; rear and front vents. Includes floor spikes. Power handling 25-120 W; crossover point 3 kHz; FR 55 Hz-20 kHz; sens 91 dB; imp 8 ohms. Black ash. 5-yr warranty. 8¼ x 33¼ x 12¼ in; 24 lb . \$450/pr

### DM 302 2-Way Speaker

Bass-reflex design with 5-in doped-paper cone woofer. Power handling 100 W; crossover point 3 kHz; FR 72 Hz-20 kHz ±3 dB; sens 91 dB; imp 8 ohms. Black ash vinyl finish. 7¼ x 12¼ x 8¼ in; 9 lb . \$250/pr

### CC 3 2-Way Center-Channel Speaker

Bass-reflex design with two 4-in fiber woofers. Magnetic shielding. Power handling 100 W; crossover point 3 kHz; FR 80 Hz-20 kHz ±3 dB; sens 91 dB; imp 8 ohms. Black ash vinyl finish. 15¼ x 5¼ x 8¼ in; 10 lb . \$180

## BANG & OLUFSEN

### Beolab Penta 3-Way Powered Speaker

Bass-reflex design with four 5-in woofers, four 3-in midranges, and one 1-in dome tweeter; amp rated at 281 W rms. 5-sided cabinet finished in stainless steel; dynamic clipping-attenuator circuit. Alpha-numeric display for Bang & Olufsen system information; 3-position bass-compensation switch; auto turn-on/off. Crossover points 700 Hz and 5 kHz; FR 40 Hz-20 kHz +4, -8 dB; sens 94 dB. 8¼ x 65 x 13¼ in; 53 lb . \$5,000/pr

### Beolab 8000 2-Way Powered Speaker

Bass-reflex design with two 4-in long-throw woofers and one ¾-in ferrofluid-cooled tweeter; amp rated at 145 W rms. Tubular aluminum cabinet with conical tip and mirror finish; biamplified drivers; cast-iron base; 24-dB/oct Linkwitz-Riley active crossover; dynamic treble-balancing circuitry; 30-dB/oct high-pass filter at 40 kHz; polystyrene front baffle; magnetic shielding. Line-level input; Power Link input for Bang & Olufsen systems. Auto turn-on. Crossover point 4.2 kHz; FR 52 Hz-20 kHz +4, -8 dB. 6¼ x 52 x 6¼ in; 44 lb . \$3,000/pr

### Beolab 6000 2-Way Powered Speaker

Bass-reflex design with two 3½-in woofers and one ¾-in dome tweeter; amp rated at 59 W rms. Extruded one-piece ¾-in thick aluminum oval-column cabinet; proprietary dynamic bass-optimization circuitry; active filtering with 30-dB/oct slope at resonant frequency and 24-dB/oct slopes elsewhere; biamplified drivers; magnetic shielding. Line- and speaker-level inputs; Power Link input for Bang & Olufsen systems. Auto turn-on/off. Crossover point 3 kHz; FR 55 Hz-22 kHz +4, -8 dB. Polished and anodized silver finish. 8 x 43¼ x 8¼ in; 24 lb . \$2,200/pr

### Beolab 4000 2-Way Bookshelf Speaker

Bass-reflex design with 4½-in long-throw woofer and ¾-in ferrofluid-cooled neodymium tweeter. Elliptical-shaped aluminum cabinet; Adaptive Bass Linearization (ABL) automatically controls bass response; magnetic shielding. 2 Power Link inputs; 1 RCA line-level input. Signal-sensitive turn-on from line input. Includes two 16-ft Power Link cables, two 6-ft AC cords, and 2 wall brackets. Floor stand optional. Power handling 59 W; FR 55 Hz-20 kHz. Natural, green, or black anodized aluminum. 11¼ x 12¼ x 5¼ in; 14 lb . \$1,800/pr

# "To say this system is great is a gross understatement."\*

Atlantic Technology has done more research on home theater speaker design than any other company around. *Total System Integration Design* ensures precise matching between the speakers, the environment, and the associated electronics. It's no wonder Atlantic Technology is regarded as a world leader in developing innovative home theater speaker systems.



The new System 270 offers amazing performance on both music and movies. And it's perfect for use with the latest digital formats, including Dolby Digital® and DTS®. *Home Theater* magazine loved this system, and so will you.

For a copy of the *Home Theater* review, information

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 **Atlantic Technology**  
INNOVATIVE HOME THEATER

\**Home Theater Magazine*, October, 1998

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Dolby Digital is a registered trademark of Dolby Laboratories Licensing Corp. DTS is a registered trademark of DTS Technology.

# Speakers

## CX-100 2-Way Bookshelf Speaker

Two 4-in woofers and one 1-in tweeter. Pressure-chamber cabinet. Includes wall bracket. Power handling 100 W; FR 64 Hz-20 kHz +4, -8 dB; sens 89 dB; imp 6 ohms. 4 1/4 x 12 1/4 x 8 1/4 in; 11 lb . . . \$600/pr

## CX-50 2-Way Bookshelf Speaker

4-in woofer and 1-in tweeter. Pressure-chamber cabinet. Includes wall bracket. Power handling 50 W; FR 84 Hz-20 kHz +4, -8 dB; sens 89 dB; imp 6 ohms. 4 1/4 x 8 1/4 x 8 1/4 in; 8 lb . . . \$400/pr

## BGW SYSTEMS

### M2200 THX Powered Subwoofer

Bass-reflex design with four 15-in drivers; output board 2,800-W amp. THX-certified; clipping, speaker excursion, and filter input limiters; speed-controlled cooling fan; overheat protection; separate signal-processor module and power-output modules; 3/4-in plywood enclosure with carpet wrapped cover. XLR inputs; high-pass output on barrier strip. Level control; electronic crossover; remote power-on/off control. Caster plate and covers optional. Crossover point selectable at 63, 71, 80, 100, 112, 125, 140, 160, and 180 Hz; FR 25 Hz-180 Hz. 33 3/4 x 42 3/4 x 31 in; 454 lb . . . \$4,999

**M1100.** As above with two 15-in drivers; onboard 1,400-W amp. 31 1/2 x 26 3/4 x 28 in; 192 lb . . . \$2,995

## B-I-C AMERICA

### Venturi Series

#### Forza 3-Way Speaker/Powered Subwoofer

Built-in 170-W powered subwoofer with 12-in driver; speaker section with 6-in polypropylene-graphite midrange and 3/4-in polypropylene-dome tweeter. Crossover point variable from 50-150 Hz subwoofer, 3.5 kHz speaker; FR 22 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black or oak laminate finish. 7-yr driver, 1-yr amp parts-and-labor warranty. 9 x 38 x 17 in . . . \$999/pr

#### V-1200R Powered Subwoofer

Tuned-port design with down-firing 12-in long-throw woofer; 170-W amp. FR 25-180 Hz. Black laminate finish. 7-yr woofer, 1-yr amp parts-and-labor warranty. 14 1/2 x 18 1/2 x 22 1/2 in . . . \$589

**V-1000R.** As above, down-firing 10-in long-throw woofer; 150-W amp. FR 20-180 Hz. 13 x 18 1/2 x 17 1/2 in . . . \$459

**V-800R.** As above, 70-W amp. FR 33-120 Hz. 12 1/2 x 16 x 16 1/2 in . . . \$349

**V-8.** As above, down-firing 8-in long-throw woofer; 60-W amp. FR 37-120 Hz. 11 1/4 x 11 1/4 x 11 in \$299

#### V-535 2-Way Speaker

Vented design with two 5 1/4-in polymer-coated woofers and one 1/2-in polypropylene-dome tweeter. Magnetic shielding. Power handling 10 W min, 150 W max; crossover point 5 kHz; FR 38 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black or oak finish. 7-yr parts-and-labor warranty. 7 x 35 3/4 x 13 in . . . \$499/pr

**V-636.** As above, two 6-in polypropylene-graphite woofers and one 3/4-in polypropylene-dome tweeter. Power handling 10 W min, 175 W max; crossover point 3 kHz; FR 32 Hz-20 kHz. 9 x 38 x 15 in . . . \$299

#### V1-32-3-Way In-Wall Speaker

8-in polypropylene-graphite woofer and 2 1/2-in polypropylene midrange with coaxially mounted 3/4-in polypropylene-dome tweeter. Power handling 10 W min, 120 W max; crossover points 600 Hz and 3 kHz; FR 36 Hz-23 kHz; sens 90 dB; imp 8 ohms. White ABS plastic with white metal grille. 7-yr parts-and-labor warranty . . . \$450/pr

#### DV-62 2-Way Bookshelf Speaker

6-in woofer and 3/4-in dome tweeter. Crossover point 3.5 kHz; FR 43 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black or oak finish with black knit cloth. 8 1/4 x 14 3/4 x 9 1/4 in; 12 lb . . . \$275/pr

#### DV-52 2-Way Bookshelf Speaker

5 1/4-in woofer and 1/2-in dome tweeter. Magnetic shielding. Crossover point 5 kHz; FR 55 Hz-20 kHz;

sens 90 dB; imp 8 ohms. Oak or black finish with black knit cloth. 7 x 11 1/4 x 7 1/4 in; 9 lb . . . \$219/pr

#### DV-32 2-Way Minispeaker

3 1/2-in woofer and 1/2-in dome tweeter. Magnetic shielding. Crossover point 5 kHz; FR 80 Hz-20 kHz; imp 8 ohms. White or black finish. 5 x 7 x 4 in; 5 lb . . . \$149/pr

#### Muro Series

*The following have white ABS plastic enclosures with white metal grilles.*

#### M-8.3-3-Way In-Wall Speaker

8-in polypropylene-graphite woofer, 2 1/2-in polypropylene midrange, and 3/4-in polypropylene-dome tweeter. Power handling 100 W rms; crossover point 3.5 kHz; FR 38 Hz-22 kHz; sens 90 dB; imp 8 ohms. 3-yr parts-and-labor warranty . . . \$349/pr

#### M-80 2-Way In-Wall Speaker

8-in polypropylene-graphite woofer and 1-in polypropylene-dome tweeter. Power handling 100 W rms; crossover point 3.5 kHz; FR 40 Hz-22 kHz; sens 90 dB; imp 8 ohms. 3-yr parts-and-labor warranty . . . \$299/pr

**M-60.** As above, power handling 80 W rms; FR 50 Hz-22 kHz . . . \$249/pr

**M-50 2-Way Ceiling Speaker.** 5 1/4-in polypropylene-graphite woofer and 1/2-in polypropylene-dome tweeter. Power handling 60 W rms; crossover point 5 kHz; FR 60 Hz-21 kHz; sens 90 dB; imp 8 ohms. 3-yr parts-and-labor warranty . . . \$199/pr

**M-SR5.** As above, 8 1/2-in polycarbonate-cone woofer; FR 55 Hz-21 kHz. Round frame. Mounting diameter 9 in . . . \$225/pr

**M-5R5.** As above, 5-in polycarbonate-cone woofer. FR 85 Hz-21 kHz. Mounting diameter 8 in . . . \$169/pr

#### Concept-5 2-Way In-Wall Speaker

6-in polycarbonate-cone woofer and 1/2-in polypropylene-dome tweeter. Power handling 50 W rms; crossover point 5 kHz; FR 62 Hz-20 kHz; sens 90 dB; imp 8 ohms . . . \$159/pr

## BOSE

*Direct/Reflecting refers to a proprietary design in which drivers are positioned to provide both direct and reflected sound.*

#### Lifestyle 30 Home Theater System

6-speaker system with Acoustimass bass module with two 5 1/4-in drivers; five dual-cube satellites, each with 2-in drivers; music center with 6-disc CD changer, AM/FM tuner, and two-zone preamp. Videostage steering logic provides 2- and 3-channel stereo and 5-speaker surround sound; active electronic EQ; auto tone adjustment; magnetic shielding; patented bass-response enhancement circuitry. RF remote control. Includes setup CD, AM/FM antennas, system and speaker cables. Subwoofer and speakers available in black or white, music center in brushed aluminum. Music center: 15 1/2 x 2 1/2 x 8 in; 6 lb. Bass module: 23 3/4 x 14 x 7 1/2 in; 33 lb. Satellite: 4 1/2 x 2 1/4 x 3 1/4 in; 1 lb . . . \$3,500

**Lifestyle 8.** As above with single CD player and five single-cube satellites. Music center: 15 x 2 1/2 x 7 1/4 in; 4 lb. Bass module: 20 1/4 x 14 x 7 1/2 in; 28 lb. Satellite: 3 x 3 1/4 x 4 1/4 in; 1 lb . . . \$1,500

#### Lifestyle 25 Powered Home Theater System

Complete system with 6-disc CD changer; AM/FM tuner with 50 presets; subwoofer with two 5 1/4-in drivers; five dual-cube satellites with one magnetically-shielded 2 1/2-in wide-range driver per cube. Amp rated at 80 W x 1 (subwoofer) + 40 x 5 (satellites); Videostage surround decoding circuitry; two-zone expansion capability. RF remote control. Brushed aluminum CD/tuner module; subwoofer and satellites available in black or white. Subwoofer: 23 3/4 x 14 x 7 1/2 in. Satellite: 3 x 6 1/4 x 4 1/4 in . . . \$2,600

#### Lifestyle 12 Powered Home Theater System

Complete system with CD player; AM/FM tuner

with 20 presets; amp rated at 80 W x 1 (subwoofer) + 40 x 5 (satellites); subwoofer with two 5 1/4-in drivers; 5 dual-cube satellites with 1 magnetically shielded 2 1/2-in wide-range driver per cube. Videostage surround decoding circuitry. RF remote control. Black veneer subwoofer, black or white satellites. Subwoofer 7 1/2 x 23 x 14 in. Satellite 3 x 6 1/4 x 4 1/4 in . . . \$2,200

#### Model 901 Classic Series VI Speaker System

2 speakers, each with nine 4 1/2-in drivers; 1 front-board active EQ. Direct/Reflecting design; 1 front-firing driver, 4 drivers on each of 2 angled rear baffles; injection-molded enclosure. Bass and treble controls. Power handling 450 W/ch; imp 4 or 8 ohms. Hardwood veneer with black-ash or walnut finish. 5-yr transferable warranty. 12 1/2 x 21 x 12 1/2 in; 32 lb . . . \$1,499

#### Model 701 3-Way Speaker

Two 8-in woofers, one 6 1/2-in side-firing midrange, and two 2 1/4-in ferrofluid-cooled tweeters. Direct/Reflecting design; 2 tuned ports; multiple-chamber bass enclosure with 3 acoustic masses; tweeters spaced and angled to enhance imaging; protection circuit. Power handling 400 W; imp 4 or 8 ohms. Black ash vinyl finish. 5-yr transferable warranty. 10 1/2 x 32 1/2 x 12 1/2 in; 28 lb . . . \$899/pr

#### Model 501 Series V 2-Way Speaker

One 5 1/4-in woofer and two 2 1/2-in tweeters. Direct/Reflecting design; multiple-chamber bass enclosure with 3 acoustic masses; two tuned ports; protection circuit. Magnetic tweeter shielding. Power handling 200 W; imp 4 or 8 ohms. Black ash vinyl finish. 7 1/2 x 31 x 7 1/2 in; 20 lb . . . \$599/pr

#### VCS-30 Center/Surround System

3-piece system with one VCS-10 center-channel speaker and two surround speakers, each with one 4 1/2-in full-range driver. Proprietary system to improve dialog coverage; magnetic shielding. Electronic-protection circuitry. Includes mounting brackets and hardware; rubber feet; speaker wire. Power handling 100 W front channel, 80 W surround channel; imp 4 or 8 ohms. Black polypropylene. 5-yr limited warranty. Center-channel: 21 1/2 x 6 x 3 1/4 in; 6 lb. Surround: 11 x 5 1/4 x 6 1/2 in; 3 lb . . . \$399

#### Model 301 Series IV 2-Way Bookshelf Speaker

8-in woofer, 3-in tweeter, and 2-in tweeter. Direct/Reflecting design; rear-firing tweeter to create reflections off side wall; 2nd tweeter aimed inward; flared port; multiple frequency crossover. Power handling 150 W; imp 4 or 8 ohms. Black or rosewood finish. 17 x 16 1/2 x 10 1/4 in; 12 lb . . . \$369/pr

#### RoomMate II Powered Speaker

4 1/2-in driver. Integral amp; aerodynamically-tuned port; distortion-limiting circuitry; polypropylene cabinet; AC power plug. Active EQ; portable. Carrying case with rechargeable-battery pack for 12-hr play on one charge, cigarette-lighter adapter, and mounting accessories optional. 9 1/2 x 6 1/2 x 6 1/2 in; 4 lb . . . \$339

#### Model 151 Outdoor Speaker

4 1/2-in Kevlar-cone driver. Resists heat, cold, moisture, and salt; stainless-steel hardware; aluminum grille. Power handling 80 W; imp 4 or 8 ohms. Black or white finish. 5-yr transferable warranty. 9 x 6 x 6 in; 4 lb . . . \$299/pr

#### Model 201 Series IV 2-Way Bookshelf Speaker

6 1/2-in slot-loaded forward-firing woofer and 2-in ferrofluid-cooled tweeter. Direct/Reflecting design; tweeter lens to widen soundstage; flared slot port; dual-frequency crossover. Power handling 120 W; imp 4 or 8 ohms. Black or rosewood finish. 14 1/2 x 7 1/4 x 9 in; 11 lb . . . \$229/pr

#### VCS-10 2-Way Center-Channel Speaker

Bass-reflex design with two 2 1/2-in drivers and two 2 1/2-in compound-loaded drivers in a dual chambered enclosure. Magnetic shielding. Electronic-protection circuitry. Includes rubber feet. Power

# See Bob Rock.

The new Sunfire *True Subwoofer* by Bob Carver has received reviews that are redefining the subwoofer industry.

*There has never been a subwoofer like it!*

There will never be a subwoofer like it!\*

*It's a small eleven inch square  
bass cube, and it shakes the  
walls and rattles the  
ceffers. It has its  
own built-in two  
thousand, seven  
hundred watt amp!*

**Trust Bob.  
It Rocks!**

SUB REVIEWS



"The True Subwoofer is an achievement on par with the space shuttle and the twinkie."

— Al Griffin

Home Theater, Feb. 97



"Talk about floor shaking bass...turned up to maximum level, I don't think there was anything in the house that wasn't shaking, including the concrete foundation!"

"Don't, I repeat, don't even think about purchasing another subwoofer without giving the Astonishing True subwoofer a listen"

— Joseph M. Cierniak

The Sensible Sound, Issue # 60



"The lowest, flattest, deepest bass I have EVER heard or measured."

— Julian Hirsh

Stereo Review, Dec. 96



<http://www.sunfirelabs.com>

Bob Carver's  
**Sunfire**  
from his mind ... and soul

\*Strictly speaking: for 20 years or until patent expires.

# Speakers

handling 100 W/ch; imp 4 or 8 ohms. Black polypropylene. 5-yr limited warranty. 2 1/2 x 3 3/4 x 6 in; 6 lb .....\$229

## MediaMate Powered Computer Speaker

2 1/2-in driver. Thermoplastic-alloy enclosure. Dual-source input; headphone jack. Magnetic shielding; source-mixing capability; volume control. Includes fastener strips for mounting to side of computer monitor. Gray. 7 3/4 x 3 x 8 1/2 in; 4 lb .....\$219/pr

## Model 100 Bookshelf Speaker

4 1/2-in mica-impregnated cone driver. Includes wall-mounting hardware. Power handling 80 W; imp 8 ohms. Black or white. 5-yr transferable warranty. 11 x 6 x 6 in; 4 lb .....\$199/pr

## Model 141 Bookshelf Speaker

4 1/2-in driver. Power handling 80 W; imp 4 or 8 ohms. Gray. 5-yr limited transferable warranty. 10 x 6 x 6 1/2 in; 4 lb .....\$139/pr

## Acoustimass Systems

### Acoustimass 15 Home Theater System

6-piece system with powered subwoofer with two 5 1/4-in long-throw drivers; 5 dual-cube rotating-speaker arrays, each cube with one 2 1/2-in driver. Direct/Reflecting design; magnetic shielding. Floor stands, table stands, and wall brackets optional. Power handling 200 W; imp 4 or 8 ohms. Black or white .....\$1,399

### Acoustimass 10 Series II Home Theater System

6-speaker system with subwoofer with three 5 1/4-in dual voice-coil drivers; 5 dual-cube magnetically-shielded rotating-speaker arrays, each cube with one 2 1/2-in driver. Direct/Reflecting design. Floor stands, table stands, and wall brackets optional. Power handling 200 W front, imp 4 or 8 ohms. Black or white. 5-yr limited transferable warranty. Subwoofer: 22 x 14 x 7 1/2 in. Satellite 3 x 6 1/4 x 4 in .....\$1,099

### Acoustimass 6 Home Theater System

6-piece system with subwoofer with two 5 1/4-in low-frequency drivers; five matched surround cube speakers, each with one 2 1/2-in wide-range driver. Proprietary speaker design for front and surround channel; auto protection circuitry; magnetic shielding. Banded cables and color-coded connectors with all cables preconnected to subwoofer. Power handling 100 W/ch; imp 4 or 8 ohms. Black or white. 5-yr limited transferable warranty .....\$699

### Acoustimass 5 Series III Subwoofer/Satellite System

3-speaker with featuring subwoofer with two 5 1/4-in dual voice-coil drivers; two dual-cube magnetically-shielded rotating-speaker arrays, each cube with one 2 1/2-in driver. Direct/Reflection design. Floor stands, table stands, and wall brackets optional. Power handling 200 W; imp 4 or 8 ohms. Black or white finish. 5-yr limited transferable warranty. Acoustimass module: 19 x 14 x 7 1/2 in. Satellite: 3 x 6 1/4 x 4 in .....\$699

### Acoustimass Multimedia Subwoofer/Satellite System

Designed for multimedia computers. 3-speaker system with subwoofer with 5 1/4-in driver; two magnetically-shielded satellites, each with 2 1/2-in driver. System-protection circuitry. Dual inputs. Volume control. Includes mono and stereo mini-plug adapters. Power handling 50 W subwoofer, 25 W satellite. Black-satin vinyl subwoofer finish; platinum-painted polymer satellites. Subwoofer: 18 1/2 x 7 1/2 x 8 1/2 in. Satellite: 3 x 3 x 4 1/4 in .....\$599

### Acoustimass 3 Subwoofer/Satellite System

3-speaker system with subwoofer with 5 1/4-in driver; two magnetically-shielded satellites, each with one 2 1/2-in driver. System protection circuit; two acoustic-compression subwoofer chambers. Mounting accessories optional. Power handling 100 W/ch; imp 4 or 8 ohms. Black- or white-satin subwoofer

finish; black- or white-polymer satellite finish. Subwoofer: 14 1/4 x 7 1/2 x 8 in; 11 lb. Satellite: 3 x 3 x 4 1/4 in; 1 lb .....\$469

## BOSTON ACOUSTICS

### Boston SoundBar Cinema Powered Home Theater System

Integrated system with TV-top SoundBar module housing three front speakers, 5-channel amp, Dolby Pro Logic decoder, and control panel. Includes separate bass module, wall-mountable surround speaker, and universal remote control. FR 45 Hz-20 kHz  $\pm 3$  dB system. Black. SoundBar 25 1/4 x 4 1/4 x 5 1/4 in. Bass module: 6 1/4 x 9 1/4 x 14 1/4 in. Surround speaker: 4 1/4 x 7 1/4 x 5 1/4 in .....\$800

### Boston DigitalTheater 6000 Home Theater System

6-speaker system with subwoofer with 6 1/2-in woofer, center-channel speaker with infrared receiver; front and surround satellite speakers, each with 3 1/2-in full-range driver; Dolby Pro Logic decoder. LED power indicators; remote control. FR 50 Hz-20 kHz  $\pm 3$  dB system. Gray finish. Subwoofer: 11 1/4 x 7 x 14 1/4 in. Center: 4 1/4 x 6 1/4 x 4 1/4 in. Satellites: 4 1/4 x 4 1/4 x 4 1/4 in .....\$600

### BA635 Subwoofer/Satellite System

3-speaker system with subwoofer with 4 1/2-in driver in bandpass enclosure; two satellite speakers, each with proprietary 2-in wide-range driver. Line-level input; headphone jacks. Master volume control under satellites. Includes pedestal desk stands. FR 50 Hz-20 kHz  $\pm 3$  dB system. Black or gray finish. Subwoofer: 7 1/4 x 6 x 6 1/4 in. Satellites: 2 1/2 x 2 1/4 x 2 1/4 in .....\$100

## Home THX Series

### VR2000 THX Powered Subwoofer

Bass-reflex design with 12-in woofer; 350-W amp. Fixed THX input; Dolby Pro Logic variable with 24-dB/oct low-pass filter adjustable from 40-100 Hz. Line- and speaker-level inputs. Auto turn-on/off; polarity switch. FR 21-100 Hz  $\pm 3$  dB. Black ash vinyl finish. 18 x 18 1/4 x 21 in; 73 lb .....\$1,200

### VR35 3-Way THX Speaker

Two 6 1/2-in woofers, two sub-enclosed 2 1/2-in midranges, and one 1-in aluminum-dome tweeter. Braced cabinet; point-source mounting configuration; magnetic shielding. Power handling 250 W; FR 65 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. Black ash vinyl. 38 1/2 x 8 1/4 x 10 in .....\$650  
**VR14.** As above. 8 1/4 x 25 x 10 1/4 in .....\$600

### VRS Pro 2-Way THX Surround Speaker

Diffuse-field design with one 5 1/4-in woofer and two 2 1/2-in tweeters. Includes wall/ceiling bracket. Power handling 150 W; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 86 dB; imp 8 ohms. Black or white. 14 1/4 x 4 1/2 x 6 1/2 in; 8 lb .....\$500/pr

## Micro Reference Series

### Micro System 9000 Home Theater System

6-speaker system with powered subwoofer with 8-in woofer and 75-W amp; center speaker with two 3 1/2-in midranges and 1-in aluminum-dome tweeter; 2 front speakers, each with 3 1/2-in midrange and 1-in aluminum-dome tweeter; 2 VRS Micro surround speakers. Die-cast aluminum satellite and center cabinets; magnetic shielding. Includes satellite and surround wall-mount brackets. FR 35 Hz-20 kHz  $\pm 3$  dB system. Black or white .....\$1,100  
**Micro90.** As above without center-channel speaker or surrounds .....\$800

### Micro80 Subwoofer/Satellite System

3-speaker system with subwoofer with 7-in dual voice-coil driver in dual-chamber bandpass enclosure; 2 satellites, each with 3 1/2-in midrange and 3/4-in dome tweeter. Magnetic shielding on all speakers. Includes satellite wall-mount brackets. Power handling 125 W; FR 46 Hz-20 kHz  $\pm 3$  dB system; sens 89 dB; imp 8 ohms. Black or white. Subwoofer: 18 1/2 x 10 x 10. Satellite: 6 1/4 x 1 1/4 x 5 1/4 .....\$400

### Micro90c 2-Way Center-Channel Speaker

Two 3 1/2-in woofers and one 1-in aluminum-dome tweeter. Point-source driver mounting; die-cast aluminum cabinet; magnetic shielding. Power handling 125 W; FR 100 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black. 4 1/4 x 12 x 5 1/4 in .....\$250  
**Micro90x.** As above, but designed for use as center or surround speaker. Includes wall-mount brackets. FR 120 Hz-20 kHz  $\pm 3$  dB; sens 89 dB. 6 1/4 x 4 1/4 x 5 1/4 in .....\$200

### VRS Micro 2-Way Surround Speaker

3 1/2-in woofer and 2 1/2-in tweeter. Includes wall-mount bracket. Power handling 100 W; FR 120 Hz-20 kHz  $\pm 3$  dB; sens 85 dB; imp 8 ohms. Black or white. 7 1/4 x 3 1/4 x 5 1/4 in .....\$200/pr

### Micro80x 2-Way Surround/Center Speaker

3 1/2-in woofer and 3/4-in tweeter. Point-source driver mounting for uniform dispersion; magnetic shielding. Includes wall-mount brackets. Power handling 125 W; FR 120 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. Black. 6 1/4 x 4 1/4 x 5 1/4 in .....\$100

## Lynnfield VR Series

The following use a patented amplitude modification device designed to improve response past 25 kHz.

### VR970 3-Way Speaker/Powered Subwoofer

Built-in powered subwoofer with 10-in driver, 12-in passive radiator, and 100-W amp; speaker section with two 4 1/2-in midranges and one 1-in aluminum tweeter. Braced cabinet; point-source driver configuration; magnetic shielding. FR 25 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. Black cloth with gloss-black cap. 6 1/2 x 48 1/4 x 15 in .....\$800/pr  
**VR960.** As above, subwoofer section with 8-in driver and 75-W amp; 4 1/2-in midrange and 1-in aluminum tweeter. FR 29 Hz-20 kHz  $\pm 3$  dB; sens 90 dB. 6 1/2 x 42 1/4 x 14 in .....\$500/pr

### VR500 Powered Subwoofer

Bass-reflex design with 10-in woofer; 100-W amp. Overload protection; 24-dB/oct low-pass filter. Line- and speaker-level inputs. Auto turn-on/off; polarity switch. Crossover point variable from 50-100 Hz; FR 27 Hz-100 Hz  $\pm 3$  dB. Black ash vinyl finish. 15 1/2 x 15 1/2 x 18 1/2 in; 40 lb .....\$600

### VR12 3-Way Center-Channel Speaker

Two 6 1/2-in woofers, one 4 1/2-in midrange, and one 1-in aluminum tweeter. Braced cabinet; point-source driver configuration; magnetic shielding. Power handling 250 W; FR 58 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. Black ash vinyl finish. 8 1/4 x 25 x 8 1/2 in; 30 lb .....\$400

### VR950 2-Way Speaker

Dual 5 1/4-in woofers and one 1-in aluminum tweeter. Braced cabinet; point-source mounting configuration; magnetic shielding. Power handling 125 W; FR 45 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black cloth with gloss black cap. 6 1/2 x 38 1/4 x 12 in .....\$350

### VRS 2-Way Surround Speaker

Diffuse-field design with one 4 1/2-in woofer and two 2 1/2-in drivers. Includes wall/ceiling bracket. Power handling 100 W; FR 95 Hz-20 kHz  $\pm 3$  dB; sens 85 dB; imp 8 ohms. Black or white. 10 3/4 x 4 1/2 x 6 in; 6 lb .....\$350/pr

### VR10 3-Way Center-Channel Speaker

5 1/4-in woofer, 5 1/4-in passive radiator, 3 1/2-in midrange, and 1-in aluminum tweeter. Point-source driver configuration; magnetic shielding. Power handling 150 W; FR 65 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black ash vinyl finish. 6 1/2 x 17 x 6 1/2 in; 15 lb .....\$300

### VR940 2-Way Speaker

5 1/4-woofer and 1-in aluminum tweeter. Braced cabinet; point-source mounting configuration; magnetic shielding. Power handling 125 W; FR 51 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black cloth with gloss black cap. 6 1/2 x 34 1/4 x 9 1/4 in .....\$250

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*"The midrange was clean and uncolored, the stereo imaging well defined and stable, and the bass generous without being boomy... This is one fine design.... The Gold<sup>2</sup> is going to put a serious crimp in the sales of its more expensive competitors. Enthusiastically recommended."*

John Atkinson, *Stereophile*, Vol.20 No.10



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# Speakers

## Designer In-Wall Speaker Series

The following are designed for flush mounting in walls or ceilings, have a paintable matte-white finish, and include mounting hardware. New-construction brackets are also available.

### Model 522 2-Way In-Wall Speaker

Diffuse-field design with one 5/4-in woofer and two 2 1/2-in tweeters. Includes retrofit mounting bracket. Power handling 150 W; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 86 dB; imp 8 ohms. Paintable grille. Rectangular frame. Mounting area: 7 1/4 x 14 1/4 in. Mounting depth 3 3/4 in .....\$500/pr

### Model 381 2-Way In-Wall Speaker

8-in copolymer woofer and 1-in ferrofluid-cooled tweeter. Point-source driver configuration; moisture-resistant design. Includes retrofit mounting bracket. Power handling 100 W; FR 48 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. 12 1/2 x 9 3/4 x 3 1/4 in .....\$500/pr

### Model 336PT 2-Way Ceiling Speaker

6-in composite-polymer woofer and 3/4-in pivoting tweeter. Includes mounting hardware. Power handling 75 W; FR 62 Hz-20 kHz  $\pm 3$  dB. Paintable grille. Round frame. Mounting diameter 6 1/4 in. Mounting depth 3 3/4 in .....\$400/pr

**Model 351 2-Way In-Wall Speaker** 5/4-in copolymer woofer and 1-in ferrofluid-cooled tweeter. Point-source driver configuration; moisture-resistant design. Includes retrofit mounting bracket. Power handling 100 W; FR 65 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. 9 1/2 x 6 3/4 x 2 1/2 in. \$300/pr  
**Model 361.** As above, 6 1/2-in copolymer woofer. FR 58 Hz-20 kHz  $\pm 3$  dB. Paintable grille. 10 1/2 x 7 3/4 x 2 1/2 in .....\$400/pr

### Model 335 2-Way Ceiling Speaker

5 1/4-in copolymer woofer and 3/4-in dome tweeter. Includes white perforated-metal grille and black recessed-lighting grille. Power handling 50 W; FR 68 Hz-20 kHz  $\pm 2$  dB. White. Round frame. Mounting diameter 6 1/4 in. Mounting depth 3 3/4 in .....\$250/pr

### Model 325 2-Way In-Wall Speaker

5 1/4-in woofer and 3/4-in dome tweeter. Power handling 25 W rms; sens 90 dB; imp 4 ohms. 5 1/4 x 5 1/2 x 2 1/2 in .....\$200/pr

### Model 305 In-Wall Speaker

5 1/4-in dual-cone driver. Power handling 50 W rms; FR 70 Hz-16 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Matte-white finish .....\$130/pr

## Compact Reference Series

### CR9 2-Way Speaker

Vented braced design with 8-in copolymer woofer and 1-in ferrofluid-cooled tweeter. Point-source driver configuration; magnetic shielding. Power handling 150 W; FR 42 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black ash vinyl or woodgrain vinyl finish. 19 1/2 x 9 3/4 x 11 1/2 in; 21 lb .....\$420/pr

### CR400 Powered Subwoofer

Bass-reflex design with 8-in woofer; 75-W amp. 24 dB/oct low-pass filter adjustable from 50-150 Hz. Line- and speaker-level inputs. Auto turn-on/off; polarity switch. Black ash vinyl finish. 13 1/2 x 14 x 16 in; 43 lb .....\$400

### CR8 2-Way Bookshelf Speaker

Bass-reflex design with 7-in copolymer woofer and 1-in ferrofluid-cooled tweeter. Point-source driver configuration; braced cabinet; magnetic shielding. Power handling 125 W; FR 48 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black ash vinyl finish. 15 x 8 1/2 x 10 1/2 in; 16 lb .....\$340/pr

### CR7 2-Way Bookshelf Speaker

Bass-reflex design with 6 1/2-in copolymer woofer and 3/4-in ferrofluid-cooled tweeter. Point-source driver configuration; braced cabinet; magnetic shielding. Wall mountable. Power handling 100 W; FR 52 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp

8 ohms. Black ash vinyl finish. 12 1/4 x 7 1/2 x 9 1/4 in; 11 lb .....\$260/pr  
**CR6.** As above, 5 1/4-in copolymer woofer. FR 65 Hz-20 kHz  $\pm 3$  dB. Black ash, woodgrain, or white vinyl finish. 10 1/2 x 5 1/2 x 7 1/2 in; 8 lb .....\$200/pr

### CR2 2-Way Center-Channel Speaker

4 1/2-in copolymer woofer, 4 1/2-in passive radiator, and 1-in ferrofluid-cooled tweeter. Enclosure bracing; magnetic shielding. Power handling 100 W; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black. 5 1/2 x 15 x 5 1/2 in; 6 lb .....\$200

### CR5 2-Way Bookshelf Speaker

Acoustic-suspension design with 4 1/2-in copolymer woofer and 3/4-in ferrofluid-cooled tweeter. Point-source driver configuration. Wall-mountable. Power handling 75 W; FR 80 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black ash or white vinyl finish. 9 1/4 x 5 1/2 x 5 1/2 in; 5 lb .....\$150/pr

### CR1 2-Way Center-Channel Speaker

4 1/2-in copolymer woofer and 3/4-in ferrofluid-cooled tweeter. Enclosure bracing; magnetic shielding. Power handling 100 W; FR 95 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black. 5 1/2 x 12 1/4 x 5 1/2 in; 6 lb .....\$130

### CR4 Bookshelf Speaker

Acoustic-suspension design with 4 1/2-in copolymer woofer. Power handling 75 W; FR 80 Hz-15 kHz; sens 90 dB; imp 8 ohms. Black ash or white vinyl finish. 9 1/4 x 5 1/2 x 5 1/2 in; 5 lb .....\$120/pr

## Indoor/Outdoor Series

### Voyager 2-Way Outdoor Speaker

5 1/4-in copolymer woofer and 1-in ferrofluid-cooled soft-dome tweeter. Lexan cabinet. Includes stainless-steel mounting bracket. Power handling 125 W; crossover point 3 kHz; FR 65 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. Paintable white finish. 10 1/2 x 6 1/2 x 6 1/4 in; 6 lb .....\$400/pr

### RunAbout II 2-Way Outdoor Speaker

4 1/2-in copolymer woofer and 3/4-in soft-dome tweeter. Polypropylene cabinet. Includes mounting bracket. Power handling 100 W; crossover point 3 kHz; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. 8 1/2 x 5 1/2 x 6 1/2 in; 6 lb .....\$250/pr

### RunAbout I Outdoor Speaker

4 1/2-in full-range copolymer driver. Polypropylene cabinet. Includes brackets. Power handling 75 W; FR 80 Hz-15 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. 8 1/2 x 5 1/2 x 6 1/4 in; 6 lb .....\$200/pr

## Desktop Audio Series

### MicroMedia Powered Subwoofer/Satellite System

3-speaker system featuring subwoofer with 5 1/4-in woofer in bandpass enclosure; two satellites, each with proprietary wide-range 2 1/2-in drivers. Master volume control mounts under satellite. Includes pedestal stands. FR 50 Hz-20 kHz  $\pm 3$  dB system. Black or gray finish .....\$200

## BOZAK

### Classic Series

The following are available finished in dark, light, black, or white oak satin hardwood.

### Grand 3-Way Speaker

Patented Acoustic-isolation design with four 6-in polypropylene woofers, two 5-in polypropylene midranges, one 1-in titanium-dome tweeter, and two 12-in passive radiators. Biampable terminals. Power handling 40-400 W; crossover points 200 Hz and 2 kHz; FR 28 Hz-20 kHz +1, -2 dB; sens 93 dB; imp 8 ohms. 31 x 48 x 16 in; 180 lb .....\$6,000/pr

### Symphony II 3-Way Speaker

Patented Acoustic-isolation design with two 8-in polypropylene woofers, two 5-in polypropylene midranges, one 1-in titanium-dome tweeter, and one 10-in passive radiator. Biampable terminals.

Power handling 20-250 W; crossover points 225 Hz and 2 kHz; FR 31 Hz-20 kHz +1, -2 dB; sens 92 dB; imp 6 ohms .....\$4,000/pr

### Concerto II 3-Way Speaker

Patented Acoustic-isolation design with two 6-in polypropylene woofers, one 5-in polypropylene midrange, one 1-in aluminum-dome tweeter, and one 10-in passive radiator. Biampable terminals. Power handling 20-200 W; crossover points 250 Hz and 2.5 kHz; FR 35 Hz-20 kHz +1, -2 dB; sens 91 dB; imp 6 ohms .....\$3,000/pr

### Rhapsody II 3-Way Speaker

Patented Acoustic-isolation design with 8-in polypropylene woofer, 5-in polypropylene midrange, and 1-in aluminum-dome tweeter. Biampable terminals. Power handling 10-150 W; crossover points 300 Hz and 3 kHz; FR 38 Hz-20 kHz +1, -2 dB; sens 90 dB; imp 8 ohms. 19 x 38 x 12 in; 80 lb .....\$2,000/pr

### Sonata 3-Way Speaker

Dual-ported bass-reflex design with 8-in polypropylene woofer, 5-in polypropylene midrange, and 1-in aluminum-dome tweeter. Polygon-shaped enclosure. Stand optional. Power handling 10-150 W; crossover points 300 Hz and 3 kHz; FR 40 Hz-20 kHz +1, -2 dB; sens 90 dB; imp 8 ohms. 19 x 26 x 11 in; 55 lb .....\$1,400/pr

## Premiere Series

The following use a tuned-port design and carry a 7-yr warranty.

### Model 4 3-Way Speaker

Two 8-in polypropylene-cone woofers and one 1-in chambered aluminum tweeter. 6- and 18-dB/oct crossovers. Biampable terminals. Power handling 30-250 W; crossover points 400 Hz and 1.7 kHz; FR 35 Hz-20 kHz  $\pm 2$  dB; sens 89 dB; imp 5 ohms. Oak veneer finish. 11 1/2 x 42 1/4 x 15 in .....\$1,999/pr

### Model 3 2-Way Speaker

8-in polypropylene-cone woofer and 1-in chambered textile tweeter. 18-dB/oct crossover. Biampable terminals. Power handling 20-150 W; crossover point 1.7 kHz; FR 40 Hz-20 kHz  $\pm 2$  dB; sens 88 dB; imp 8 ohms. Black oak finish. 11 1/2 x 36 1/2 x 14 in .....\$899/pr

### Model 2 2-Way Speaker

8-in polypropylene-cone woofer and 1-in textile tweeter. 12-dB/oct crossover. Power handling 10-150 W; crossover point 2.2 kHz; FR 45 Hz-18 kHz  $\pm 2$  dB; sens 89 dB; imp 8 ohms. Black oak finish. 11 1/2 x 23 1/4 x 14 in .....\$599/pr

### Model 1 2-Way Bookshelf Speaker

6 1/2-in treated-paper woofer and 1-in textile tweeter. 12-dB/oct crossover. Power handling 10-100 W; crossover point 2.5 kHz; FR 57 Hz-18 kHz  $\pm 2$  dB; sens 87 dB; imp 8 ohms. Black oak vinyl finish. 9 1/2 x 15 x 7 1/4 in .....\$499/pr

## Home Theater Series

The following are available in a high-gloss black finish; real-wood finishes are optional.

### HT95-FT30 3-Way Speaker

Two 6 1/2-in polypropylene woofers and one 1-in cloth-dome tweeter. Biampable terminals. Power handling 10-150 W; crossover point 2.5 kHz; FR 40 Hz-19 kHz  $\pm 2$  dB; sens 90 dB; imp 6 ohms. 7-yr warranty. 8 1/4 x 41 x 14 in .....\$999/pr

### HT95-PSW12 Powered Subwoofer

12-in front-firing woofer; amp rated at 150 W rms. Crossover point variable from 40-180 Hz; FR 22-180 Hz +1, -2dB; imp 8 ohms. 7-yr warranty. 17 x 16 x 19 in .....\$999

### HT95-RC3A 3-Way Surround Speaker

6 1/2-in rear-firing woofer, 4-in side-firing midrange, 4-in rear-firing midrange, and 1-in top-firing dome tweeter. FR 55 Hz-14 kHz  $\pm 2$  dB; sens 90 dB; imp 6 ohms. 7-yr warranty .....\$899/pr



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# Speakers

## HT95-CC3 2-Way Center-Channel Speaker

Two 6-in woofers and one 1-in dome tweeter. Magnetic shielding. Power handling 10-150 W; crossover point 2.4 kHz; FR 50 Hz-20 kHz +1, -2 dB; sens 92 dB; imp 5 ohms. 7-yr warranty. 23 x 8 x 11 in .....\$699

## HT95-SW12 Subwoofer

Two 12-in polypropylene woofers. 24-dB/oct crossover. Crossover point 90 Hz; FR 22-90 Hz  $\pm$  2 dB; sens 90 dB; imp 6 ohms. 7-yr warranty. 15 x 32 x 16 1/2 in .....\$699

## HT95-CC2 2-Way Center-Channel Speaker

Two 5-in woofers and one 3/4-in polypropylene-dome tweeter. Magnetic shielding. Power handling 10-100 W; crossover point 2.4 kHz; FR 50 Hz-20 kHz +1, -2 dB; sens 90 dB; imp 6 ohms. 7-yr warranty. 7 x 19 x 11 in .....\$499

**HT95-CC1.** As above, crossover point 2.5 kHz; FR 55 Hz-20 kHz +1, -2 dB .....\$399

## HT95-RC2A 2-Way Surround Speaker

4-in front-firing woofer, 4-in side-firing woofer, and 3-in top-firing tweeter. Power handling 5-100 W; crossover point 4 kHz; FR 70 Hz-12 kHz  $\pm$  2 dB; sens 90 dB; imp 16 ohms. 7-yr warranty. 6 x 9 1/2 x 6 in .....\$499/pr

## HT95-SW1 Subwoofer

Two 6 1/2-in polypropylene drivers. Crossover point 100 Hz; FR 30-100 Hz  $\pm$  2 dB; sens 90 dB; imp 6 ohms. 7-yr warranty. 8 x 20 x 12 in .....\$399

## HT95-CC-7 2-Way Center-Channel Speaker

4-in polypropylene woofer and 1/2-in polycarbonate tweeter. Magnetic shielding. Crossover point 3.5 kHz; FR 70 Hz-18 kHz  $\pm$  2 dB; sens 90 dB; imp 8 ohms. 7-yr warranty. 5 x 10 1/2 x 5 in .....\$249

## HT95-F1 2-Way Bookshelf Speaker

4-in polypropylene woofer and 1/2-in polycarbonate tweeter. Power handling 10-60 W; crossover point 3.5 kHz; FR 70 Hz-18 kHz  $\pm$  2 dB; sens 90 dB; imp 8 ohms. 5 x 9 x 5 in .....\$249/pr

## BRIGHT STAR AUDIO

### Altair Reference 4-Way Hybrid Ribbon Speaker

Dipolar design with two 8-in ceramic-coated woofers, two 5-in ceramic-coated midranges, one 1-in ceramic-coated metal-dome front tweeter, and one 1 1/2-in circular-ribbon rear tweeter. Sand-filled cabinet; four 2 1/2-in steel spikes. Wood side panels optional. Power handling 500 W; FR 28 Hz-22 kHz; imp 5.5 ohms. 49 x 14 1/4 x 18 in .....\$6,000/pr

### Altair Pro 4-Way Hybrid Ribbon Speaker

Dipolar design with 10-in carbon-polypropylene woofer, 5-in open-back ceramic-coated dipole midrange, 1-in ferrofluid-cooled ceramic-coated aluminum front tweeter, and 1 1/2-in circular-ribbon rear tweeter. Minimum-diffraction ceramic-damped cabinet; tapered/slanted front baffle. Dual gold-plated inputs. Power handling 450 W; FR 32 Hz-21 kHz; imp 4 ohms. Natural-granite finish; other finishes available .....\$2,550/pr

## CADAWAS ACOUSTICS

### TC-1 3-Way Speaker

10-in woofer, 5 1/2-in Kevlar midrange, 1-in soft-dome tweeter, and 8-in auto damper. Proprietary zero phase-error crossover network. 5-way binding-post. 0, -2, -4, treble and midrange controls. Crossover points 350 Hz and 2.5 kHz; FR 20 Hz-20 kHz; sens 90 dB; imp 8 ohms. 5-yr warranty. 12 x 42 x 12 3/4 in; 60 lb .....\$3,000/pr

### Mobile Monitor One B 2-Way Bookshelf Speaker

8-in woofer, 1-in soft-dome tweeter, and 5-in auto damper. Fuse protection. 3-position toggle-switch treble control. Crossover point 2.5 kHz; sens 90 dB; imp 8 ohms. Black-gloss laminate finish. 9 1/4 x 15 1/2 x 12 in; 20 lb .....\$2,000/pr

## TC-2 Subwoofer

12-in woofer and 8-in auto damper. 12-dB/oct filter; fuse protection. 3-position attenuator switch; phase switch. Crossover point 100 Hz; sens 87 dB; imp 8 ohms. Black-gloss laminate finish. 14 1/2 x 24 1/4 x 11 in; 45 lb .....\$2,000/pr

## CAMBRIDGE PHYSICS

*The following carry a 5-year warranty.*

### K Series

#### K-66/2 3-Way Speaker

Two 8-in polypropylene-cone woofers, one 3-in dome midrange, and one 1-in ferrofluid-cooled dome tweeter. 24-dB/oct crossover; oak enclosure. Crossover points 450 Hz and 4 kHz; FR 26 Hz-22.5 kHz; sens 92.5 dB. Black grille with faceted front panel. 18 x 44 x 12 in; 90 lb .....\$1,200

#### K-55/2 3-Way Speaker

8-in polypropylene woofer, 4-in polypropylene midrange, and 1-in ferrofluid-cooled soft-dome tweeter. 18-dB/oct crossover; oak enclosure. FR 40 Hz-20 kHz; sens 90 dB; imp 6 ohms. Available in oak or black finish; faceted front panel. 10 x 32 x 10 in; 40 lb .....\$700/pr

#### K-33/2 2-Way Speaker

10-in polypropylene-cone woofer, 8-in polypropylene-cone woofer, and 1-in ferrofluid-cooled dome tweeter. 18-dB/oct crossover; oak enclosure. Crossover point 1.5 kHz; FR 36 Hz-22.5 kHz; sens 91 dB; imp 6 ohms. Faceted front panel. 16 x 29 1/2 x 9 in; 34 lb .....\$600/pr

#### K-11/2 2-Way Speaker

8-in polypropylene-cone woofer and 1-in ferrofluid-cooled dome tweeter. 12-dB/oct crossover. Power handling 100 W cont; crossover point 1.5 kHz; FR 44 Hz-22.5 kHz; sens 90 dB; imp 6 ohms. Oak-vinyl finish with faceted front panel. 12 x 19 1/2 x 8 1/2 in; 20 lb .....\$450/pr

#### K-7/2 2-Way Bookshelf Speaker

6 1/2-in polypropylene-cone woofer and 3/4-in ferrofluid-cooled metal-dome tweeter. 12-dB/oct crossover. Power handling 60 W cont; sens 90 dB; imp 6 ohms. Oak-vinyl enclosure with faceted front panel. 12 x 16 x 6 in; 15 lb .....\$330/pr

### G Series

*The following have an 8-in long-throw woofer and vinyl enclosures with a birch finish and black grille.*

#### G-30 2-Way Speaker

10-in passive radiator, and 1-in ferrofluid-cooled inverted-dome tweeter. 18-dB/oct crossover. Power handling 220 W; crossover point 1.8 kHz; FR 32 Hz-22 kHz  $\pm$  3 dB; sens 92 dB; imp 6 ohms. 16 x 31 x 10 1/2 in .....\$825/pr

**G-20.** as above, 12-dB/oct crossover. Power handling 150 W; crossover point 2.2 kHz; FR 34 Hz-22 kHz  $\pm$  3 dB. 14 x 24 1/2 x 11 in .....\$700/pr

#### G-10 2-Way Speaker

1-in ferrofluid-cooled inverted-dome tweeter. Power handling 100 W; crossover point 2.2 kHz; FR 38 Hz-20 kHz  $\pm$  3 dB; sens 91 dB; imp 6 ohms. 11 1/4 x 20 x 10 1/2 in; 34 lb .....\$420/pr

**G-1.** As above, vinyl enclosure. Power handling 80 W; FR 40 Hz-20 kHz  $\pm$  3 dB; sens 90 dB. 10 1/2 x 19 x 8 1/2 in; 28 lb .....\$350/pr

## CAMBRIDGE SOUNDWORKS

### Movieworks 5.1 Home Theater System

6-speaker system featuring 150-W powered subwoofer with 12-in long-throw woofer; left and right main speakers, each with 1 1/4-in direct radiating tweeter and 3-in long throw midrange; center-channel speaker with two 5 1/2-in midrange drivers and one 1 1/4 direct radiating tweeter; left and right surrounds, each with one 4-in woofer and two 2-in tweeters. Magnetic shielding. Surround speakers operate in dipole or bipole modes. Black. 7-yr war-

ranty on front, center, and surround speakers, 2 yr on subwoofer. Main: 8 1/4 x 5 1/4 x 4 1/4 in. Center: 25 x 11 x 6 1/4 in. Subwoofer: 26 1/2 x 15 1/2 x 11 in. Surround: 8 x 5 x 6 in .....\$1,799

### MovieWorks II 5.1 Home Theater System

6-speaker system featuring 70-W powered subwoofer with 10-in long-throw woofer; left and right main speakers, each with 1 1/4-in direct-radiating tweeter and 3-in long-throw midrange; center speaker with two 3-in midranges and one 1 1/4-in direct-radiating tweeter; two surround speakers, each with two 3-in midranges and one 1 1/4-in direct-radiating tweeter. Acoustic-suspension design for each speaker. Line- and speaker-level inputs; banana-plug jacks. Dipole/bipole selector switch for satellites; standby mode with LED indicator; phase switch; volume control. Crossover point selectable at 120 Hz. Charcoal gray Nextel finish. 10-yr speaker, 2-yr subwoofer warranty. Subwoofer: 14 x 14 x 14 in. Front: 8 1/4 x 5 1/4 x 4 1/4 in. Center: 14 x 4 x 7 in. Satellite: 7 x 5 x 5 in .....\$1,299

### Model Twelve Transportable Subwoofer/Satellite System

3-speaker system featuring powered subwoofer; 2 satellite speakers in a suitcase that fits under airline seat. Space Inside suitcase for portable CD or cassette player. Includes 12-VDC cigarette-lighter adapter .....\$799

100-230-V AC adapter for above .....\$99

### Tower 3-Way Bipolar Speaker

Bipolar bass-reflex design with two 8-in polypropylene woofers and two front- and rear-firing driver complements, each with 5 1/4-in polypropylene midrange and 1-in soft-dome tweeter. Magnetic shielding. Biampable terminals. Power handling 30 W min, 250 W max. Lacquered walnut or black-ash wood veneer finish with black-knit grille. 10-yr warranty. 39 x 10 x 14 in .....\$749

**Tower II.** Non-bipolar version of above with one 5 1/4-in midrange and one 1-in tweeter. Power handling 30 W min, 200 W max. Walnut or black ash vinyl finish. 36 x 10 x 14 in .....\$499

### Powered Subwoofer

Acoustic-suspension design with 12-in woofer; 140-W amp. Active EQ for sub-30 Hz response; 18 dB/oct crossover with 55/80/100/140 Hz low-pass selector. Stereo/mono line- and speaker-level inputs. Black-vinyl finish. 15 1/2 x 26 1/2 x 10 1/4 in .....\$699

**Slave Subwoofer.** Powered by amp from Powered Subwoofer .....\$299/pr

### Ensemble Subwoofer/Satellite System

4-speaker system featuring 2 slim-cabinet subwoofers, each with 8-in driver; 2 satellites, each with 4-in ferrofluid-cooled midrange and 1 1/4-in ferrofluid-cooled tweeter with Integral 3/4-in dome. Gold-plated 5-way binding posts. Power handling 30 W min, 200 W max; imp 6 ohms. Satellite cabinets in black or white. 10-yr warranty. Subwoofer: 12 x 21 4/8 in. Satellite: 8 1/4 x 5 1/4 x 4 in .....\$599

**Ensemble II.** As Ensemble, one subwoofer with two 6 1/2-in drivers. Black or white. Subwoofer: 16 1/4 x 14 1/4 x 7 1/2 .....\$499

### Tower III 2-Way Speaker

Bass-reflex design with 8-in polypropylene woofer and 1-in dome tweeter. Magnetic shielding. Power handling 30 W min, 200 W max. Black ash vinyl finish with black knit grille. 10-yr warranty. 33 x 10 x 11 in .....\$599/pr

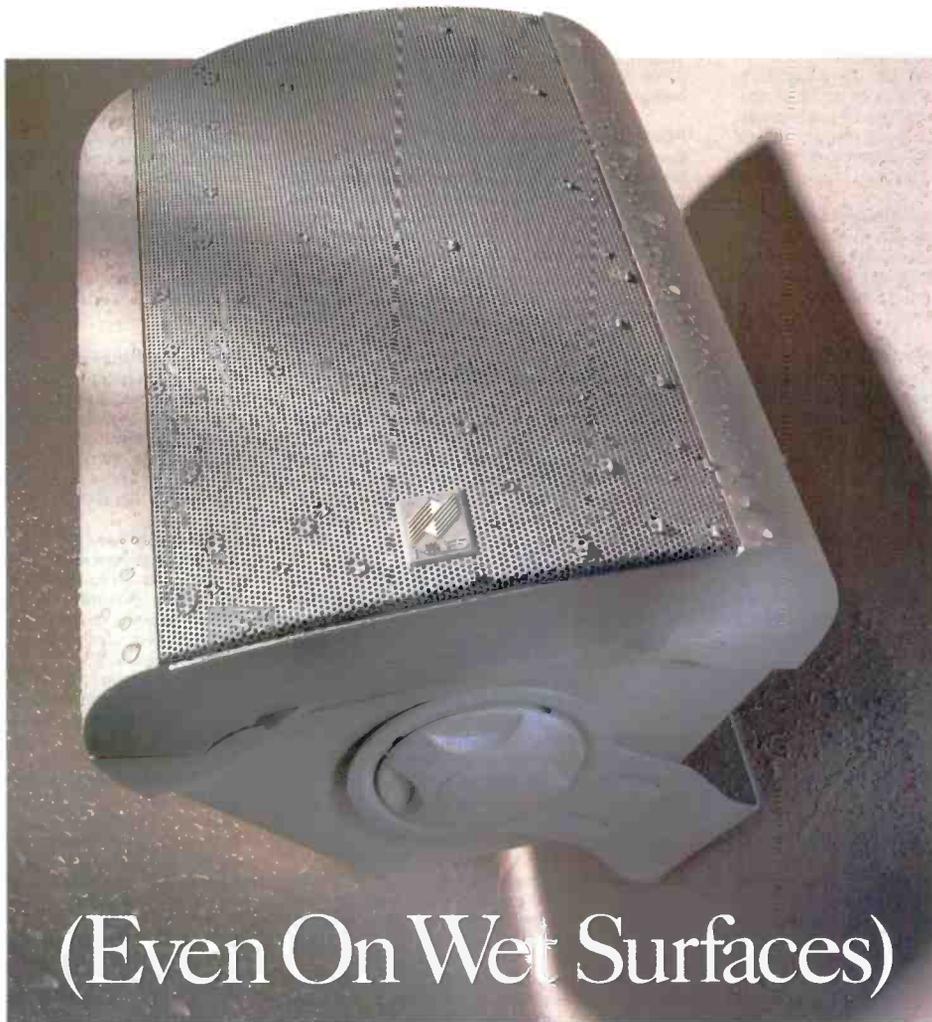
### Bass Cube Twelve Powered Subwoofer

Acoustic-suspension design with 12-in polypropylene long-throw driver; amp rated at 100 W rms. Line- and speaker-level inputs. Standby mode and indicator; phase switch; variable low-pass control; integral stand. Crossover point variable from 60-150 Hz. Black vinyl. 16 x 16 x 16 in; 42 lb .....\$499

### Surround 5.1 2-Way Surround Speaker

Bipolar/dipolar design with one 4-in woofer and

# Corners Beautifully.



Tapered to tuck neatly into corners and under eaves, the OS-10 comes with a clever pivoting bracket that provides endless mounting solutions.



(Even On Wet Surfaces)



Tough enough for marine applications and beach-front living. Exceeds military anti-corrosion specs (MIL-STD-883D).



**ElastoDynamic™ Hybrid Dome Tweeter**  
Impervious to moisture. Niles' unique tweeter design offers extended frequency response with stunning detail and clarity.

Niles' speaker engineers are driven to design the very best. The result is *unparalleled* performance—sonically, visually, and functionally. The Niles OS10 Indoor/Outdoor Loudspeaker will exceed all of your expectations.

**Sonically.** The OS10 handily outperforms many traditional bookshelf speakers. Much of its superb sonic character comes from its unique tweeter design. Constructed from a composite matrix of elastomers and natural fiber substrates, the **ElastoDynamic™** tweeter yields extended frequency response with stunning detail and clarity. But to be a great speaker, you need great bass. Here the OS10 shows its true horsepower thanks to its injection-molded, polypropylene Woofer cone, supple butyl-rubber surround, and powerful magnet structure.

**Visually.** The OS10's aerodynamic shape speaks for itself. But what may not be readily apparent speaks just as loudly.



The OS10's tapered enclosure tucks neatly into corners or under eaves, complementing any decor—inside or out. Its clever pivoting bracket (standard equipment on the OS10) gives you endless mounting solutions. Available in white or black, either finish is paintable for a truly custom look.

**Functionally.** We don't take the term "weather-proof" lightly. The OS10 is designed to withstand extreme climates—from Minneapolis to Miami. Its rugged, non-resonant cabinet is totally sealed (insects or moisture can't creep in) and will not fade under

the sun's rays. The grills and brackets are aluminum; the connectors are gold-plated; all the hardware is brass or stainless steel—this speaker will not rust! And Niles guarantees it for two years—that's twice as long as most manufacturers.

For the name and phone number of your nearest authorized Niles dealer call 1-800-BUY-HIFI (1-800-289-4434).



**Niles Audio Corporation, Inc.**  
P.O. Box 160818 Miami, FL 33116  
In Canada call Avalex Acoustics Ltd. (604) 528-8965  
Internet: [www.nilesaudio.com](http://www.nilesaudio.com)



# Speakers

two 2-in midranges. Power handling 15 W min, 100 W max; crossover point 600 Hz. Charcoal gray Nextel. 10-yr warranty. 8 1/2 x 5 1/4 x 5 1/4 in. . . . \$499/pr

## Bass Cube Ten Powered Subwoofer

Acoustic-suspension design with downward-firing 10-in long-throw driver; amp rated at 70 W rms. Line- and speaker-level outputs. Standby mode; phase switch; variable low-pass control; integral stand. Crossover point adjustable from 60-150 Hz. Black vinyl. 14 x 14 x 14 in; 30 lb . . . . . \$349

## CenterStage 2-Way Center-Channel Speaker

Bass-reflex design with two 5 1/4-in polypropylene woofers and one 1-in dome tweeter. Horizontal-oriented cabinet; magnetic shielding. Power handling 10 W min, 150 W max. Black finish. 10-yr warranty. 7 x 25 x 8 in . . . . . \$349

## Ensemble III Subwoofer/Satellite System

3-speaker system featuring acoustic-bandpass subwoofer with 6 1/2-in dual-voice-coil driver and flared vent; 2 magnetically shielded satellites, each with 3 1/4-in ferrofluid-cooled midrange and 3/4-in ferrofluid-cooled tweeter. Flared subwoofer vent; ABS-plastic enclosures for satellites. Power handling 30 W min, 150 W max. Subwoofer finished in black or white vinyl; satellites finished in Nextel gray or white. 10-yr warranty. Subwoofer: 15 x 8 x 8 in. Satellite: 6 1/2 x 4 1/4 x 3 in . . . . . \$349

**Ensemble IV.** As above, subwoofer with 5 1/4-in driver and 2 satellites, each with 3-in wide-range driver and contouring EQ circuitry. Power handling 30 W min, 125 W max. Subwoofer: 8 x 6 1/2 x 12 in. Satellite: 4 x 4 x 3 1/4 in . . . . . \$249

## Surround II 5.1 2-Way Bipolar/Dipolar Surround Speaker

Switchable bipolar/dipolar design with 3-in and 2 1/2-in drivers. Power handling 15 W min, 80 W max. Charcoal gray Nextel. 10-yr warranty. 6 1/4 x 4 3/4 x 4 1/2 in . . . . . \$329/pr

## Desktop Theater 5.1 Powered Computer Speaker System

6-speaker system featuring bass-reflex subwoofer with 5 1/4-in driver; center speaker with 2-in driver; four satellite speakers, each with 2-in driver; subwoofer and center speaker amps each rated at 15 W; satellite amp rated at 6 W. Supports AVI, MIDI, and WAV computer formats. 6-channel Input; SPDIF Input; two 1/2-in speaker-level outputs. Volume control; mute switch; test function. Includes cable, 6 desktop stands, and 2 floor stands. Crossover point 180 Hz. Computer beige. Woofer: 9 1/4 x 6 x 6 1/2 in. Center: 3 1/2 x 3 1/4 x 3 1/4 in. Amp/processor: 9 1/4 x 4 x 6 1/2 in. Satellites: 2 1/4 x 3 x 3 in. 17 lb total . . . . . \$300

## The Outdoor 2-Way Speaker

Acoustic-suspension design with 5 1/4-in copolymer woofer and 1-in dome tweeter. Water resistant, inert calcium-filled polypropylene enclosure. Gold-plated 5-way binding posts. Integral keyhole socket for wall hanging. Power handling 10 W min, 100 W max. Paintable off-white finish. 7 x 11 x 5 1/4 in . . . \$299/pr

**Ambiance In-Wall System.** As The Outdoor, but for indoor/in-wall use. Deeper bass response. 8 1/4 x 11 1/4 x 3 3/4 in . . . . . \$349/pr

**The Outdoor In-Wall.** As Outdoor, except fully sealed enclosure fits in stud-depth wall . . . \$349/pr

## MicroWorks Powered Subwoofer/Satellite System

3-speaker system featuring bass module with 6 1/2-in long-throw driver; 2 satellite speaker cubes, each with 3-in long-throw driver and desktop stand; amp with active EQ built into bass module; 50 W bass + 10 W x 2 for satellites. Designed for use with computers and portable music sources. Two stereo inputs. Black or beige finish. Bass module: 17 x 9 x 7 in. Satellite: 4 x 4 x 4 in . . . \$249

## Center Channel Plus 2-Way Speaker

Acoustic-suspension design with four 3 1/2-in drivers and one 1 1/4-in ferrofluid-cooled tweeter with

integral 3/4-in dome. Magnetic shielding. Power handling 150 W max; imp 8 ohms. Black-vinyl finish. 10-yr warranty. 4 x 25 x 7 in . . . . . \$229

Under-TV support bracket for above . . . . . \$25

**Center Channel II.** As Center Channel Plus, two 3 1/2-in drivers. Power handling 10 W min, 100 W max. 4 x 14 x 7 in . . . . . \$159

## PCWorks Four Point Surround Powered Computer Speaker System

5-speaker system featuring bass-reflex subwoofer with 5 1/4-in driver; 4 acoustic-suspension satellites with 2-in long-throw driver; subwoofer amp rated at 10 W; satellite amp rated at 3 W. Magnetic shielding. Two speaker-level inputs; 4 speaker-level outputs. Bass-level control; volume control. Includes 2 floor stands and 4 desktop stands. Crossover point 180 Hz. Computer beige. Subwoofer: 9 1/4 x 6 x 6 1/2 in. Satellite: 2 1/2 x 2 1/2 x 2 1/4 in. 11 lb total . . . . . \$200

## SoundWorks Powered Subwoofer/Satellite System

3-piece computer-speaker system featuring band-pass bass module with 4 1/2-in long-throw driver; 2 satellite cubes, each with 2-in long-throw drivers and stands; 3-channel amp with active EQ built into bass module; 120-V AC or 12-V DC operation. Black or beige. Subwoofer: 8 x 6 x 9 1/2 in. Satellite: 3 1/2 x 3 1/2 x 3 1/2 in . . . . . \$149

## Model Six 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in long-throw polypropylene woofer and 1 1/4-in ferrofluid-cooled tweeter with integral 3/4-in dome. MDF enclosure. Power handling 15 W min, 150 W max; crossover point 2 kHz; sens 90 dB; imp 8 ohms. Oak, teak, or black ash vinyl finish. 10-yr warranty. 18 1/4 x 11 1/4 x 7 1/2 in . . . . . \$129

**Model Seventeen.** As above, 5 1/4-in woofer and 3/4-in dome tweeter. Power handling 15 W min, 150 W max. Oak, teak, black ash, or white. 7 1/2 x 11 1/2 x 6 in . . . . . \$89

## Center/Surround III 2-Way Center/Surround Speaker

3 1/2-in woofer and 3/4-in tweeter. Magnetic shielding. Integral keyhole socket for wall hanging. Power handling 10 W min, 80 W max. Nextel gray finish. 10-yr warranty. 6 x 4 x 3 in . . . . . \$89

## PC Works Powered Subwoofer/Satellite System

3-speaker system featuring subwoofer with one 5 1/4-in driver in bass-reflex enclosure; 2 satellites, each with 2 1/4-in long-throw driver. Designed for use with computers and portable music sources. Magnetic shielding. Volume control; stands for satellites. Crossover point 150 Hz. Black or computer beige. Woofer: 9 1/4 x 6 x 6 1/2 in. Satellite: 2 1/2 x 2 1/2 x 2 1/4 in . . . . . \$69

## Center/Surround IV Center/Surround Speaker

3-in wide-range driver. Internal contouring EQ circuitry; magnetic shielding. Power handling 10 W min, 75 W max. Nextel finish. 10-yr warranty. 4 x 4 x 4 in . . . . . \$49

## CANTON

*The following have 12-dB/oct crossovers and an impedance of 4-8 ohms.*

### Digital Series

#### Digital 1 3-Way Speaker

Bass-reflex design with two 10-in polypropylene woofers and one 7-in polypropylene-cone midrange with coaxially mounted 1-in aluminum-manganese tweeter. Midrange driver and tweeter mounted on separate dipole assembly above bass enclosure. Biampable terminals. DSP outboard controller to custom modify speakers to room acoustics. Power handling 350 W; crossover points 220 Hz and 3.3 kHz; FR 18 Hz-30 kHz; sens 87 dB; imp 4 ohms. Black-ash or cherry veneer finish. 5-yr warranty. 11 1/2 x 47 1/4 x 14 in . . . . . \$14,995/pr

**Digital 2/98.** As above with two 9-in polypropylene woofers, one 7-in polypropylene cone midrange,

and one 1-in aluminum-manganese tweeter. 10 x 41 1/2 x 12 1/2 in . . . . . \$6,995/pr

### Ergo Series

*The following use a bass-reflex design and carry a 5-year warranty.*

#### 122 DC 3-Way Speaker

Two 10-in polypropylene woofers, one 7-in polypropylene cone midrange, and one 1-in aluminum-manganese tweeter. Biampable terminals. Power handling 400 W; crossover point variable from 300 Hz-3.5 kHz; FR 20 Hz-30 kHz; sens 90 dB; imp 4 ohms. Black-ash or cherry veneer finish. 12 1/2 x 49 1/2 x 13 1/2 in . . . . . \$2,995/pr

**120 DC.** As above, except with two 9-in polypropylene woofers. Power handling 350 W. 10 1/2 x 43 1/2 x 13 1/2 in . . . . . \$2,495/pr

#### RC-L 3-Way Speaker

Two 9-in polypropylene woofers, one 7-in polypropylene cone midrange, and one 1-in aluminum-manganese tweeter. Biampable terminals. Electronic EQ. Power handling 350 W; crossover point variable from 300 Hz-3.5 kHz; FR 18 Hz-30 kHz; sens 89 dB; imp 4 ohms. Black ash or cherry veneer finish. 10 1/2 x 48 1/4 x 13 1/2 in . . . . . \$2,995/pr

#### 82 DC 3-Way Speaker

8-in polypropylene woofer, 8-in polypropylene cone midrange, and 1-in aluminum-manganese tweeter. Biampable terminals. Power handling 200 W; crossover point variable from 300 Hz-3.5 kHz; FR 22 Hz-30 kHz; sens 88 dB; imp 4 ohms. Black ash or cherry veneer. 9 1/2 x 38 1/2 x 12 1/2 in . . . \$1,995/pr

**72 DC.** As above, 7-in polypropylene woofer, 7-in polypropylene-cone midrange. Biampable terminals. Power handling 150 W; FR 25 Hz-30 kHz; sens 86 dB. 8 1/2 x 35 1/2 x 11 1/2 in . . . . . \$1,495/pr

#### 31 DC 2-Way Bookshelf Speaker

9-in woofer and 1-in aluminum-manganese-dome tweeter. Power handling 130 W; FR 27 Hz-30 kHz. Black, white, or cherry. 5-yr warranty. 10 1/4 x 17 x 10 1/2 in . . . . . \$1,195/pr

As above with magnetic shielding . . . . . \$1,374/pr

**LF 63.** Speaker stand . . . . . \$249/pr

#### 21 DC 2-Way Bookshelf Speaker

8-in woofer and 1-in aluminum-manganese-dome tweeter. Power handling 110 W; FR 33 Hz-30 kHz. Black, white, light cherry, or beech. 5-yr warranty. 9 x 13 1/2 x 10 1/2 in . . . . . \$995/pr

As above with magnetic shielding . . . . . \$1,144/pr

**LF 63.** Speaker stand . . . . . \$249/pr

#### R 52 2-Way Dipolar Speaker

4-in woofer and two 1-in aluminum-manganese tweeters. 1 input. Keyhole for wall-mounting. Power handling 140 W; crossover point 3.3 kHz; FR 45 Hz-30 kHz; sens 86 dB; imp 4 ohms. Cherry veneer. 7 1/4 x 8 x 4 1/4 in . . . . . \$898/pr

As above, black or white satin lacquer . . . . . \$698/pr

#### CM 51 3-Way Center-Channel Speaker

Two 7-in woofers, one 4-in midrange, and one 1-in aluminum-manganese-dome tweeter. Magnetic shielding. Power handling 150 W; FR 26 Hz-30 kHz. Black, white, or cherry. 5-yr warranty. 19 1/4 x 9 x 11 1/2 in . . . . . \$895

**LF 63.** Speaker stand . . . . . \$249/pr

### Karat Series

*The following have a black, white, or cherry finish.*

#### M 40 3-Way Speaker

Bass-reflex design with two 4-in woofers, 4-in midrange, and 1-in tweeter. Magnetic shielding. Biampable terminals. Includes stand. Power handling 120 W rms; FR 30 Hz-30 kHz; sens 87.5 dB. 5 1/2 x 43 1/4 x 9 1/2 in . . . . . \$2,995/pr

#### AS 4 Powered Subwoofer

Bass-reflex design with two 9-in woofers; 100 W amp. Magnetic shielding. Bass-level control; crossover control; phase control. FR 20-150 Hz.

# Speakers

5-yr speaker, 2-yr amp warranty. 9 1/2 x 23 3/4 x 16 1/2 in .....\$1,498  
Stand for above .....\$98

## CM 2 2-Way Center-Channel Speaker

Bass-reflex design with two 4-in woofers and one 1-in aluminum-manganese-dome tweeter. Magnetic shielding. Power handling 60 W rms; FR 42 Hz-30 kHz. 5-yr warranty. 10 1/2 x 5 1/2 x 11 in ...\$995/pr  
LF 4. Speaker stand .....\$249/pr

## R 4 2-Way Dipolar Surround Speaker

Dipolar design with two 4-in woofers and two 1-in tweeters. Wall mountable. Speaker stand optional. Power handling 60 W rms; crossover point 3.3 kHz; FR 45 Hz-30 kHz; sens 86 dB. 7 1/2 x 7 1/2 x 5 1/2 in .....\$995/pr

## CM 4 2-Way Center-Channel Speaker

Bass-reflex design with two 4-in woofers, one 4-in midrange, and one 1-in aluminum-manganese-dome tweeter. Magnetic shielding. Power handling 140 W; FR 45 Hz-30 kHz. 5-yr warranty. 15 1/2 x 5 1/2 x 12 1/2 in .....\$698  
LF 4. Speaker stand .....\$249/pr

## Fonum Series

The following use a bass-reflex design.

## 730 DC 3-Way Speaker

Two 9-in woofers, one 6-in midrange, and one 1-in aluminum-manganese-dome tweeter. Power handling 250 W; FR 20 Hz-30 kHz. Black or cherry vinyl. 5-yr warranty. 10 x 41 1/2 x 12 1/2 in ...\$1,795/pr  
As above with magnetic shielding .....\$2,294/pr

## 630 DC 3-Way Speaker

8-in woofer, 8-in midrange, and 1-in aluminum-manganese-dome tweeter. Power handling 160 W; FR 25 Hz-26 kHz. Black or cherry vinyl. 5-yr warranty. 9 1/2 x 36 1/2 x 11 1/2 in .....\$1,295/pr  
As above with magnetic shielding .....\$1,489/pr

## 530 DC 2-Way Speaker

8-in woofer and 1-in soft-dome tweeter. Power handling 120 W; FR 30 Hz-26 kHz. Black or cherry vinyl. 5-yr warranty .....\$995/pr  
As above with magnetic shielding .....\$1,144/pr

## AS 30 Powered Subwoofer

Two 9-in woofers; amp rated at 100 W. Magnetic shielding. Crossover control; bass-level control; phase control. FR 20 Hz-150 Hz. Black. 5-yr speaker, 2-yr amp warranty. 9 1/2 x 23 3/4 x 16 1/2 in .....\$995

## 330 2-Way Bookshelf Speaker

6-in woofer and 1-in soft-dome tweeter. Power handling 100 W; FR 38 Hz-26 kHz. Black with black fabric grille. 5-yr warranty. 8 1/2 x 14 1/2 x 10 1/2 in .....\$695/pr  
As above with magnetic shielding .....\$799/pr  
LF 63. Speaker stand .....\$249/pr

## R31 2-Way Dipolar Surround Speaker

4-in woofer and two 1-in aluminum-manganese tweeters. Keyhole for wall-mounting. Power handling 120 W; crossover point 3 kHz; FR 47 Hz-26 kHz; sens 86 dB. Black matte vinyl. 5-yr warranty. 7 1/2 x 8 x 5 1/2 in .....\$595/pr

## CM 30 2-Way Bookshelf Speaker

Two 6-in woofers and one 1-in soft-dome tweeter. Magnetic shielding. Power handling 130 W; FR 32 Hz-30 kHz. Black. 5-yr warranty. 17 1/2 x 7 1/2 x 12 1/2 in .....\$495

## Fonissimo Series

The following carry a 5-year warranty.

## Fonissimo RC Subwoofer/Satellite System

3-speaker system featuring subwoofer with 8-in dual-voice-coil drivers; 2 satellites, each with 4-in woofer and 1-in aluminum-manganese tweeter. Electronic EQ. Power handling 180 W; crossover points 120 Hz and 2.2 kHz; sens 87 dB; imp 4 ohms. Black or white satin lacquer .....\$995

## Fonissimo 2+ Subwoofer/Satellite System

3-speaker system featuring subwoofer with two 8-in drivers; 2 satellites, each housing 4-in midrange with coaxially mounted 1-in tweeter. Power handling 180 W max; crossover points 120 Hz and 2.2 kHz; FR 22 Hz-30 kHz system; sens 87 dB. Black or white. Subwoofer: 9 1/2 x 12 1/2 x 15 1/2 in; 26 lb. Satellite: 5 1/2 x 5 x 5 1/2 in; 3 lb .....\$795

## Twin 800 2-Way Bookshelf Speaker

4-in woofer and 1-in aluminum-manganese-dome tweeter. Power handling 80 W max; crossover point 2.5 kHz; FR 45 Hz-30 kHz; sens 87 dB. Black or white. 5 1/2 x 8 x 5 1/2 in; 5 lb .....\$375/pr

## Twin 700 2-Way Minispeaker

Coaxial acoustic-suspension design with 4-in woofer and 1-in aluminum-manganese tweeter. Wall-mountable. Power handling 70 W; FR 65 Hz-30 kHz; sens 87 dB. Black. 5 1/2 x 5 x 5 1/2 in .....\$349/pr  
Wall-mount brackets .....\$60/pr

## AV-700 2-Way Center-Channel Speaker

Two 4-in woofers and one 1-in tweeter. Magnetic shielding. Power handling 100 W max; crossover point 3 kHz; FR 40 Hz-30 kHz; sens 88 dB. Black or white satin lacquer finish. 17 1/2 x 2 1/2 x 2 1/2 in; 9 lb .....\$349

## AV 100 Minispeaker

Acoustic-suspension design with 4-in driver. Wall-mountable. Power handling 70 W; FR 65 Hz-100 kHz; sens 87 dB. Black. 5-yr warranty. 5 1/2 x 5 x 5 1/2 in .....\$198/pr  
Wall-mount brackets .....\$60/pr

## Plus Series

### Plus C Subwoofer

12-in woofer. Power handling 100 W max; crossover point 120 Hz; FR 22-120 Hz; sens 88 dB. Black or white. 13 1/2 x 14 1/2 x 13 1/2 in; 26 lb .....\$595

### Plus D 2-Way Bookshelf Speaker

Bass-reflex design with 6-in woofer and 1-in tweeter. Power handling 80 W max; crossover point 2.5 kHz; FR 41 Hz-30 kHz; sens 88 dB. Black or white. 7 1/2 x 10 1/2 x 7 1/2 in; 9 lb .....\$498/pr

### Patio 160 2-Way Outdoor Speaker

Acoustic-suspension design with 6-in woofer and 1-in tweeter. Water-resistant enclosure. Power handling 80 W max; crossover point 2.9 kHz; FR 42 Hz-30 kHz; sens 88 dB. White. 7 x 10 1/2 x 5 in; 9 lb .....\$449/pr

### Plus F 2-Way Speaker

4-in woofer and 1-in tweeter. Designed for wall hanging. Power handling 70 W max; crossover point 2.5 kHz; FR 48 Hz-30 kHz; sens 87 dB. White. 7 1/2 x 10 1/2 x 2 1/2 in; 5 lb .....\$398/pr

### Plus S 2-Way Bookshelf Speaker

4-in woofer and 1-in tweeter. Power handling 70 W max; crossover point 2.2 kHz; FR 45 Hz-30 kHz; sens 87 dB. Black or white. 4 1/2 x 8 x 4 1/2 in; 5 lb .....\$349/pr

## HC100 2-Way Bookshelf Speaker

4-in woofer and 1-in tweeter. Power handling 60 W max; crossover point 1.7 kHz; sens 87 dB. Black or white. 7 1/2 x 4 1/2 x 5 1/2 in; 4 lb .....\$298/pr

## CARVER

### Cinema 5.2 Powered Home Theater System

6-speaker system featuring two 10-in powered tower-mounted subwoofers, each with 300-W amp; two front speakers, each with rear-firing random-phase drivers; two dipolar surround speakers. 2 line- and speaker-level inputs and outputs. Bass-tilt control; bass-level and contour control. Includes speaker wires. Crossover point 100 Hz; FR 24 Hz-21 kHz; sens 89 dB front, 91 dB center, 87 dB surround. Black with black fabric grille. 5-yr warranty. Center: 20 x 8 x 8 1/2 in. Front: 8 x 14 1/2 x 42 in. Surround: 11 1/2 x 12 x 5 in .....\$2,395

## Cinema 5.1 Powered Home Theater System

6-speaker system featuring 10-in powered subwoofer with 150-W amp; two front speakers and one center speaker, each with 2 1/2-in rear-firing drivers; two dipole surround speakers. Magnetic shielding for center speaker. 2 line- and speaker-level inputs and outputs. Bass-tilt control; bass-level control. Includes wires. Low-pass crossover point adjustable from 40-150 Hz; high-pass crossover point 80 Hz; FR 28 Hz-21 kHz; sens 89 dB front, 37 dB surround; imp 4 ohms. Black with black fabric grille. 5-yr warranty. Subwoofer: 16 x 18 x 18 in; 49 lb. Front: 7 1/2 x 9 1/2 x 12 1/2 in; 14 lb. Center: 17 1/2 x 7 1/2 x 7 in; 17 lb. Surround: 11 1/2 x 12 x 5 in; 13 lb .....\$1,695

## CASTLE

Standard finishes for the following, except for Clifton, are cherry, mahogany, and black ash. Natural oak, antique oak, medium oak, walnut, and yew rosewood exotic finishes are optional. All models carry a 5-year limited warranty. Quarter wave refers to an enclosure design that uses a tapered, folded vent to improve low-frequency performance.

### Howard S2 2-Way Speaker

Two 6-in woofers, one firing upward from top of cabinet; one 1-in metal-dome tweeter. Quarter-wave enclosure. Power handling 130 W max; FR 35 Hz-22 kHz; sens 90 dB; imp 8 ohms. 10 1/2 x 4 1/2 x 16 1/2 in; 55 lb .....\$2,699/pr  
As above, exotic finish .....\$3,099/pr

### Harlech 2-Way Speaker

Two 5-in woofers, one firing upward from top of cabinet; one 1-in dome tweeter. Quarter-wave enclosure. Power handling 150 W max; FR 40 Hz-22 kHz; sens 88 dB; imp 8 ohms. 8 x 37 1/2 x 12 1/2 in; 44 lb .....\$2,099/pr  
As above, exotic finish .....\$2,299/pr

### Avon 2-Way Speaker

Bass-reflex design with 6 1/2-in carbon-fiber woofer and 1-in soft-dome tweeter. Floor-exiting port. Bi-ampable terminals. Power handling 130 W; crossover point 3.3 kHz; FR 43 Hz-20 kHz; sens 87 dB; imp 8 ohms. 8 1/2 x 35 x 10 1/2 in; 50 lb .....\$1,799/pr  
As above, custom finish .....\$1,999/pr

### Severn 2-Way Speaker

Bass-reflex design with 6-in carbon-fiber woofer and 1-in dome tweeter. Biampable terminals. Power handling 25 W min, 110 W max; FR 47 Hz-20 kHz  $\pm$ 3 dB; sens 87 dB; imp 8 ohms. 9 standard finishes. 8 1/2 x 32 x 10 1/2 in; 35 lb .....\$1,399/pr  
As above, in exotic finishes .....\$1,599/pr

### Eden 2-Way Bookshelf Speaker

Bass-reflex design with 6 1/2-in carbon-fiber woofer and 1-in soft-dome tweeter. Biampable terminals. Power handling 120 W; crossover point 3.3 kHz; FR 45 Hz-20 kHz; sens 87 dB; imp 8 ohms. 18 1/2 x 17 x 10 in; 31 lb .....\$1,999/pr  
As above, custom finish .....\$1,299/pr

### Kendal 2-Way Speaker

Acoustic-suspension design with 5-in carbon-fiber woofer and 1-in dome tweeter. Biampable terminals. Power handling 25 W min, 100 W max; FR 50 Hz-20 kHz  $\pm$ 3 dB; sens 87 dB; imp 8 ohms. 9 standard finishes. 29 x 4 1/2 x 7 1/2 in; 24 lb .....\$999/pr  
As above, in exotic finishes .....\$1,199/pr

### Tay 2-Way Bookshelf Speaker

Bass-reflex design with 5-in woofer and 1-in soft-dome tweeter. Biampable terminals. Power handling 110 W; crossover point 2.8 kHz; FR 50 Hz-20 kHz; sens 87 dB; imp 8 ohms. 7 1/2 x 16 1/2 x 9 1/2 in; 16 lb .....\$799/pr  
As above, custom finish .....\$899/pr

### Keep 2-Way Center-Channel Speaker

Twin-port bass-reflex design with two 5-in woofers and one 1-in soft-dome tweeter. Magnetic shielding. Biampable terminals. Power handling 130 W;

# Speakers

crossover point 3.7 kHz; FR 65 Hz-20 kHz; sens 89 dB; imp 8 ohms. 19 x 6 1/2 x 11 in; 23 lb ..... \$599  
As above, custom finish ..... \$699

## Isis 2-Way Speaker

Bass-reflex design with 5-in woofer and 1-in composite-dome tweeter. Power handling 90 W max; sens 87 dB; imp 8 ohms ..... \$549/pr  
As above, exotic finish ..... \$649/pr

## Clifton 2-Way Speaker

Rear-ported bass-reflex design with 5-in woofer and 1-in soft-dome tweeter. Power handling 75 W max; FR 62 Hz-20 kHz; sens 88 dB; imp 8 ohms. Cherry or black ash finish ..... \$395/pr

## CELESTION

### A Series

#### A3 3-Way Speaker

Bass-reflex design with three 8-in woofers, one 7-in midrange, and one 1-in titanium-dome tweeter. Magnetic shielding; wood-veneer cabinet. Biampable terminals. Power handling 300 W; crossover points 300 Hz and 3 kHz; FR 36 Hz-20 kHz  $\pm 2$  dB; sens 90 dB; imp 4 ohms. Cherry or black-ash wood veneer. 5-yr warranty. 11 x 45 x 17 in; 101 lb ..... \$3,500/pr  
As above, rosewood ..... \$4,000/pr

#### A2 2 1/2-Way Speaker

Bass-reflex design with two 7-in woofers and one 1-in titanium-dome tweeter. Magnetic shielding; wood-veneer cabinet. Biampable terminals. Power handling 220 W; crossover point 3 kHz; FR 40 Hz-20 kHz  $\pm 2$  dB; sens 90 dB; imp 4 ohms. Cherry or black-ash wood veneer. 5-yr warranty. 10 x 36 x 15 in; 65 lb ..... \$2,300/pr  
As above, rosewood ..... \$2,700/pr

#### A1 2-Way Bookshelf Speaker

7-in woofer and 1-in titanium-dome tweeter. Magnetic shielding; wood-veneer cabinet. Biampable terminals. Power handling 150 W; FR 43 Hz-20 kHz  $\pm 2$  dB; sens 88 dB; imp 4 ohms. Cherry or black-ash wood veneer. 10 x 16 x 14 in; 31 lb ..... \$1,500/pr  
As above, rosewood ..... \$1,700/pr

#### A6s Powered Subwoofer

Bandpass design with two 10-in drivers; 200-W amp. Magnetic shielding; push-pull woofer configuration. Speaker- and line-level inputs and outputs. Level control; variable frequency. Wood cherry or rosewood top available to match A series main speakers. Crossover point variable from 60-90 Hz; FR 29-90 Hz  $\pm 2$  dB. Black ash top. 13 x 24 x 16 in; 66 lb ..... \$1,200

#### A Compact 2-Way Speaker

4-in woofer and 1-in titanium-dome tweeter. Magnetic shielding. Biampable terminals. Power handling 100 W; crossover point 3 kHz; FR 80 Hz-20 kHz  $\pm 2$  dB; sens 85 dB; imp 4 ohms. Cherry or black-ash wood veneer. 5-yr warranty. 7 x 10 x 8 in; 10 lb ..... \$1,000/pr  
As above, rosewood ..... \$1,100/pr

#### A4c 3-Way Center-Channel Speaker

Two 7-in woofers, one 4-in midrange, and one 1-in titanium-dome tweeter. Magnetic shielding; cast midrange and tweeter housing. Biampable terminals. Adjustable rubber feet. Power handling 150 W; crossover points 600 Hz and 5 kHz; FR 100 Hz-20 kHz  $\pm 2$  dB; sens 90 dB; imp 4 ohms. Video-gray finish. 26 x 8 x 8 in; 24 lb ..... \$1,000

#### A5r 2-Way Dipolar Surround Speaker

Two 4-in midranges and two 1-in titanium-dome tweeters. Power handling 150 W; crossover point 5 kHz; FR 70 Hz-20 kHz  $\pm 2$  dB; sens 87 dB; imp 8 ohms. White or video gray finish. 12 x 9 x 7 in; 15 lb ..... \$1,000/pr

### C Series

#### C3 3-Way Speaker

Acoustic-suspension design with four 5 1/2-in woofers, one 5 1/2-in midrange, and one 1-in titanium-

dome tweeter. Magnetic shielding; aluminum cabinet. Biampable terminals. Power handling 200 W; crossover points 3 kHz and 120 Hz; FR 36 Hz-20 kHz  $\pm 2$  dB; sens 90 dB; imp 4 ohms. 6 x 41 x 10 in; 28 lb ..... \$1,600/pr

#### C2 2-Way Speaker

Bass-reflex design with two 5 1/2-in woofers and one 1-in titanium-dome tweeter. Magnetic shielding; aluminum cabinet. Biampable terminals. Power handling 150 W; crossover point 3 kHz; FR 40 Hz-20 kHz  $\pm 2$  dB; sens 91 dB; imp 4 ohms. 6 x 33 x 10 in; 21 lb ..... \$1,200/pr

#### C6S Powered Subwoofer

Acoustic-suspension design with 12-in driver; 100-W amp. Magnetic shielding. Speaker- and line-level inputs. Level, crossover, and phase controls; infrared remote control. FR 35-150 Hz. 17 x 15 x 17 in; 30 lb ..... \$1,200

#### C1 2-Way Bookshelf Speaker

Bass-reflex design with 5 1/4-in woofer and 1-in titanium-dome tweeter. Magnetic shielding; aluminum cabinet. Biampable terminals. Power handling 100 W; crossover point 3 kHz; FR 50 Hz-20 kHz; sens 90 dB; imp 4 ohms. 6 x 13 x 10 in; 9 lb ..... \$600/pr

#### C4C 2-Way Center-Channel Speaker

Bass-reflex design with two 5 1/4-in woofers and one 1-in titanium-dome tweeter. Magnetic shielding; aluminum cabinet. Biampable terminals. Power handling 100 W; crossover point 2.9 kHz; FR 68 Hz-20 kHz  $\pm 2$  dB; sens 91 dB; imp 4 ohms. 19 x 6 x 10 in ..... \$500

#### C5R 2-Way Dipolar Surround Speaker

Bass-reflex design with two 4-in woofers and one 1/2-in tweeter. Power handling 75 W; crossover point 4 kHz; FR 80 Hz-20 kHz  $\pm 2$  dB; sens 87 dB; imp 8 ohms. White or video gray finish. 6 x 11 x 10 in; 5 lb ..... \$500/pr

### Style Series

#### CSW MkII Powered Subwoofer

8-in driver; 75-W amp. Speaker- and line-level inputs and outputs. Level control; adjustable frequency. FR 80-120 Hz  $\pm 3$  dB. Gray finish. 21 x 10 x 18 in; 36 lb ..... \$449

#### MP1 2-Way Outdoor Speaker

Bass-reflex design with 3 1/2-in woofer and 1-in tweeter. Magnetic shielding. Integral stand/wall mount. Power handling 150 W; FR 70 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. White or video gray finish. 6 x 12 x 9 in; 7 lb ..... \$300/pr

#### Centre 2 2-Way Center-Channel Speaker

Bass-reflex design with two 4 1/2-in woofers and one 1/2-in tweeter. Magnetic shielding. Adjustable feet. Power handling 20-100 W; FR 100 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Video gray finish. 17 x 7 x 7 in; 7 lb ..... \$249

#### Little 1 2-Way Surround Speaker

Acoustic-suspension design with 3 1/2-in woofer and 4-in tweeter. Integral bracket. Power handling 50 W; FR 100 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. White or video gray finish. 6 x 8 x 4 in; 3 lb ..... \$180/pr

#### CSC 2-Way Center-Channel Speaker

Acoustic-suspension design with two 3 1/2-in woofers and one 1/2-in tweeter. Magnetic shielding. Power handling 75 W; FR 88-20 Hz; sens 89 dB; imp 6 ohms. Video-gray finish. 13 x 5 x 6 in; 6 lb ..... \$179

## CELLO

#### Stradivari Grand Master 3-Way Speaker

Acoustic-suspension design with two 12-in woofers, eight 2-in dome midranges, and eight 1/4-in dome tweeters. Dynaudio drivers. Power handling 900 W; crossover points 500 Hz and 5 kHz; imp 2 ohms. Piano-black finish. 17 x 86 1/2 x 18 in; 500 lb \$60,000/pr  
Rosewood finish ..... \$58,000/pr

#### Stradivari Master 3-Way Speaker

Acoustic-suspension design with two 12-in woofers, four 2-in dome midranges, and four 1/4-in dome tweeters. Dynaudio drivers. Power handling 800 W; crossover points 500 Hz and 5 kHz; imp 3 ohms. Piano-black finish. 17 x 61 1/2 x 18 in; 370 lb \$35,000/pr  
Rosewood finish ..... \$32,000/pr

#### Stradivari Premiere 3-Way Speaker

12-in woofer, 3-in dome midrange, and 1-in dome tweeter. Dynaudio drivers. Power handling 350 W; crossover points 500 Hz and 7 kHz; imp 6 ohms. Piano-black finish. 17 x 45 x 18 in; 260 lb ..... \$18,000/pr  
Rosewood finish ..... \$12,000/pr

#### Amati Pro 3-Way Speaker

Acoustic-suspension design with one 12-in woofer, four 1 1/2-in dome midranges, and four 1/4-in tweeters. Power handling 450 W. 19 x 27 x 10 in; 80 lb ..... \$16,500/pr

#### Serafin 2-Way Powered Speaker

9-in woofer and 1-in dome tweeter; amp rated at 90 W x 1 (woofer) + 60 x 1 (tweeter). Crossover point 2 kHz; FR 40 Hz-20 kHz. Burlwood, mahogany, walnut, or piano-black finish. 19 x 13 x 15 in ..... \$12,000/pr

#### Stradivari Legend 3-Way Speaker

Acoustic-suspension design with 12-in woofer, 3-in dome midrange, and 1-in dome tweeter. Power handling 350 W. Burlwood or piano-black finish. 14 x 26 1/2 x 12 in; 80 lb ..... \$8,000/pr  
Walnut or mahogany finish ..... \$8,000/pr

#### Elves 2-Way Bookshelf Speaker

Acoustic-suspension design with 6 1/2-in polymer-composite woofer and 1-in soft-dome tweeter. Two pair terminal posts. Cello String 3- and 2-speaker cables optional. Power handling 130 W; crossover point 2 kHz; FR 70 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 4 ohms. 11 1/2 x 16 x 12 in ..... \$4,200/pr

## CERWIN-VEGA

All models carry a 5-year limited warranty.

#### System 120 Home Theater System

6-speaker system featuring powered subwoofer with 12-in driver and amp rated at 150 W; 4 satellites, each with 5-in drivers and 80-W power handling; center-channel speaker with dual 5-in drivers and 150-W power handling. Magnetic shielding for satellite and center-channel speakers ..... \$1,349

#### System 100 Home Theater System

6-speaker system featuring powered subwoofer with 10-in driver and amp power rated at 100 W; 4 satellites, each with 4-in drivers and 80-W power handling; center-channel speaker with dual 4-in drivers and 100-W power handling. Magnetic shielding for satellite and center-channel speakers ..... \$1,049

#### AL-1000 3-Way Speaker

Bass-reflex design with 15-in woofer, 8-in midrange, and 1-in superyl soft-dome tweeter. Die-cast aluminum woofer and midrange chassis; fuse protection. Biampable terminals. Power handling 1,000 W; crossover point selectable at 400 Hz or 3.5 kHz; FR 28 Hz-20 kHz  $\pm 2.5$  dB; sens 95 dB; imp 4 ohms. 43 1/2 x 17 1/2 x 17 in ..... \$799

#### HT-S15 Powered Subwoofer

Bass-reflex design with down-firing 15-in driver; 200-W amp. Low-pass filter with 18-dB/oct slope. Crossover point variable from 30-150 Hz; FR 30-150 Hz. 20 1/2 x 18 1/2 x 18 1/2 in; 72 lb ..... \$799

#### SUB-150 Powered Subwoofer

Bass-reflex design with down-firing 15-in driver; 200-W amp. Low-pass filter with 18-dB/oct slope. Crossover point variable from 30-150 Hz; FR 30-150 Hz. 20 1/2 x 18 1/2 x 18 1/2 in; 72 lb ..... \$799

#### AL-750 3-Way Speaker

Bass-reflex design with 12-in woofer, 6 1/2-in mid-

# Speakers

range, and 1-in supronyl soft-dome tweeter. Die-cast aluminum woofer and midrange chassis; fuse protection. Power handling 750 W; crossover point selectable at 400 Hz or 3.5 kHz; FR 35 Hz-20 kHz  $\pm 2.5$  dB; sens 95 dB; imp 4 ohms. 38 x 14 x 12½ in .....\$649

#### HT-S12 Powered Subwoofer

Bass-reflex design with down-firing 12-in driver; 150-W amp. Low-pass filter with 18-dB/oct slope. Crossover point variable from 50-150 Hz; FR 35-150 Hz. 19 x 17 x 17 in; 60 lb .....\$649

#### LW-12 Powered Subwoofer

Bass-reflex design with 12-in driver; amp rated at 150 W rms. Crossover point variable from 40-150 Hz; FR 35-150 Hz  $\pm 3$  dB .....\$599

#### HT-S10 Powered Subwoofer

Bass-reflex design with down-firing 10-in driver; 100-W amp. Low-pass filter with 18-dB/oct slope. Crossover point variable from 50-150 Hz; FR 35-150 Hz. 17 x 15 x 15 in; 55 lb .....\$529

#### LW-10 Powered Subwoofer

Bass-reflex design with 10-in driver; amp rated at 100 W rms. Crossover point variable from 40-150 Hz; FR 32-150 Hz  $\pm 3$  dB .....\$499

#### HT-SAT5 2-Way Satellite Speaker

Bass-reflex design with 5¼-in woofer and 1-in silk-dome tweeter. Magnetic shielding. Power handling 150 W cont; FR 60 Hz-22 kHz  $\pm 2.5$  dB; sens 92 dB; imp 8 ohms. 6½ x 11½ x 7½ in; 6 lb .....\$299/pr

#### HT-SAT4 2-Way Satellite Speaker

Acoustic-suspension design with 4-in woofer and 1-in silk-dome tweeter. Magnetic shielding. Power handling 80 W cont; crossover point 4 kHz; FR 80

HZ-22 kHz  $\pm 2.5$  dB; sens 91 dB; imp 8 ohms. 5¼ x 10½ x 5½ in; 5 lb .....\$239/pr

#### HT-CTR25 2-Way Center-Channel Speaker

5½-in woofer and 1-in silk-dome tweeter. Magnetic shielding. Power handling 150 W cont; crossover point 4 kHz; FR 80 Hz-22 kHz  $\pm 2.5$  dB; sens 92 dB; imp 8 ohms. 19½ x 6½ x 7½ in; 7 lb .....\$229

**HT-CTR24.** As above, 4-in woofer. 15 x 5¼ x 6½ in; 6 lb .....\$179

#### CVT Series

*The following have magnetic shielding.*

#### CVT-300S Powered Subwoofer

Bass-reflex design with side-firing 15-in aluminum-frame driver; amp rated at 300 W rms. Low-pass filter with 18-dB/oct slope. Line- and speaker-level inputs and outputs; subwoofer input. Phase switch. Crossover point variable from 120 Hz-50 kHz; FR 25-120 Hz. 12¼ x 29½ x 20¼ in .....\$799

#### CVT-12 3-Way Speaker

Bass-reflex design with one side-firing 12-in die-cast aluminum-frame woofer, two 7-in midranges, and one 1-in silk-dome tweeter. Gold-plated bi-ampable 5-way binding posts. Power handling 300 W; FR 38 Hz-20 kHz  $\pm 2.5$  dB; sens 94 dB; imp 4 ohms. 10½ x 43½ x 20 in .....\$699

#### CVT-200S Powered Subwoofer

Bass-reflex design with side-firing 12-in aluminum-frame driver; amp rated at 200 W rms. Low-pass filter with 18 dB/oct slope. Phase switch. Crossover point variable from 120 Hz-50 kHz; FR 25-120 Hz. 10 x 23 x 19½ in .....\$599

#### CVT-10 3-Way Speaker

Bass-reflex design with side-firing 10-in die-cast

aluminum-frame woofer, 7-in midrange, and 1-in silk-dome tweeter. Multislope phase-corrected design. Gold-plated bi-ampable 5-way binding posts. Power handling 200 W; FR 40 Hz-20 kHz  $\pm 2.5$  dB; sens 92 dB; imp 4 ohms. 10 x 38 x 17 in .....\$499

#### CVT-7LCR 2-Way Center-Channel Speaker

Two 7-in woofers and one 1-in silk-dome tweeter. Multislope phase-corrected design. Gold-plated bi-ampable 5-way binding posts. FR 58 Hz-20 kHz  $\pm 2.5$  dB; sens 94 dB; imp 4 ohms. 22¼ x 9½ x 13 in .....\$349

#### E Series

*The following have self-resetting tweeter protection, an adjustable attenuator for the midrange and tweeter, and a scuff-resistant vinyl finish.*

#### E-315 3-Way Speaker

Bass-reflex design with 15-in woofer, 6½-in midrange, and 1-in polyetherimide-dome tweeter. Die-cast aluminum woofer chassis; fuse protection. Midrange- and tweeter-level controls. Power handling 400 W cont; crossover points 700 Hz and 3.5 kHz; FR 28 Hz-20 kHz  $\pm 3$  dB; sens 102 dB; imp 8 ohms. 36 x 17½ x 15½ in; 66 lb .....\$559

**E-312.** As above, 12-in woofer, 5¼-in midrange. Power handling 300 W cont; crossover points 400 Hz and 3.5 kHz; sens 98 dB. 33 x 14½ x 12½ in. 51 lb .....\$365

**E-310.** As above, 10-in woofer. Power handling 150 W cont; crossover points 600 Hz and 3 kHz; FR 38 Hz-20 kHz  $\pm 3$  dB; sens 95 dB. 31 x 12¼ x 9¼ in; 39 lb .....\$319

#### Re-38 3-Way Speaker

Bass-reflex design with 15-in woofer, 6½-in midrange, and 1-in polypropylene-foam dome tweeter.

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# Speakers

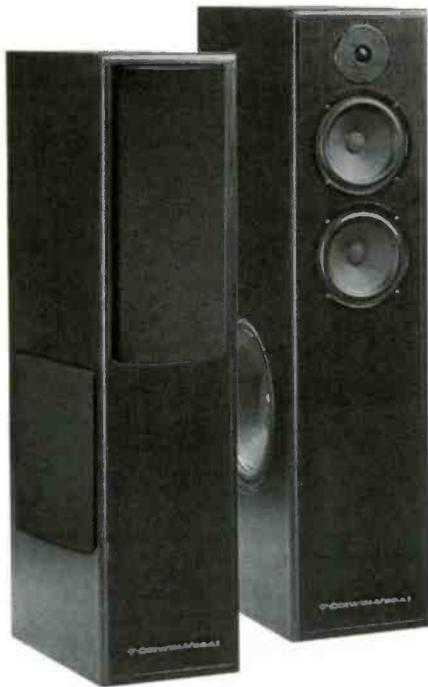
Fuse protection. Power handling 400 W cont; crossover points 400 Hz and 4.5 kHz; FR 27 Hz-20 kHz  $\pm 3$  dB; sens 102 dB; imp 4 ohms. 18 x 35 $\frac{1}{4}$  x 17 $\frac{1}{4}$  in; 90 lb .....\$540

## Re-30 3-Way Speaker

Bass-reflex design with 12-in woofer, 4-in cone midrange, and 1-in metallized-Mylar dome tweeter. Fuse protection. Power handling 250 W cont; crossover points 500 Hz and 4.5 kHz; FR 28 Hz-20 kHz  $\pm 3$  dB; sens 97 dB; imp 4 ohms. 16 $\frac{1}{2}$  x 32 x 13 $\frac{1}{4}$  in; 57 lb .....\$345

## Re-25 3-Way Speaker

Bass-reflex design with 10-in woofer, 4-in cone midrange, and 1-in polycarbonate-dome tweeter. Power handling 150 W cont; crossover points 700 Hz and 6 kHz; FR 38 Hz-20 kHz  $\pm 3$  dB; sens 95 dB; imp 6 ohms. 13 x 27 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in; 40 lb .....\$320



Cerwin Vega CVT-12

## Re-6C 2-Way Center-Channel Speaker

Two 6 $\frac{1}{2}$ -in woofers and 1-in polyetherimide-dome tweeter. Magnetic shielding. Power handling 120 W cont; FR 60 Hz-20 kHz  $\pm 3$  dB; sens 92 dB; imp 8 ohms. 8 x 19 $\frac{1}{2}$  x 9 $\frac{1}{2}$  in; 13 lb .....\$269

## E-D6C 2-Way Center-Channel Speaker

6 $\frac{1}{2}$ -in woofer and 1-in polyetherimide-dome tweeter. Magnetic shielding. Power handling 120 W cont; FR 60 Hz-20 kHz  $\pm 3$  dB; sens 92 dB; imp 8 ohms. 8 x 19 $\frac{1}{2}$  x 9 $\frac{1}{2}$  in; 13 lb .....\$269

## E-208 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in silk-dome tweeter. Die-cast aluminum woofer chassis. Power handling 100 W cont; crossover point 2 kHz; FR 40 Hz-20 kHz  $\pm 3$  dB; sens 94 dB; imp 8 ohms. 18 $\frac{1}{2}$  x 9 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in; 19 lb .....\$209

## Re-20 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in polycarbonate-dome tweeter. Power handling 100 W cont; crossover point 4 kHz; FR 40 Hz-20 kHz  $\pm 3$  dB; sens 93 dB; imp 8 ohms. 11 x 20 x 10 $\frac{1}{2}$  in; 26 lb .....\$205

## E-26F 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in woofer and 1-in

polycarbonate-dome tweeter. Power handling 80 W cont; FR 60 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. 13 x 8 $\frac{1}{4}$  x 7 $\frac{1}{4}$  in; 8 lb .....\$129

## Re-16B 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in woofer and 1-in polycarbonate-dome tweeter. Power handling 80 W cont; FR 60 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. 13 x 8 $\frac{1}{4}$  x 7 $\frac{1}{4}$  in; 8 lb .....\$125

## VS Series

The following use a bass-reflex design and have self-resetting tweeter protection, 12-dB/oct slopes, 5-way binding posts, and a walnut vinyl or black woodgrain vinyl finish.

## VS-150 3-Way Speaker

15-in woofer, 6 $\frac{1}{2}$ -in cone midrange, and 1-in soft-dome tweeter. Fuse protection. Power handling 400 W cont; crossover points 300 Hz and 5 kHz; FR 28 Hz-22 kHz  $\pm 3$  dB; sens 102 dB; imp 4 ohms. 18 x 35 $\frac{1}{2}$  x 18 $\frac{1}{4}$  in; 90 lb .....\$539

## VS-120 3-Way Speaker

12-in woofer, 4-in cone midrange, and 1-in dual-magnet balanced-drive dome tweeter. Fuse protection. Power handling 200 W cont; crossover points 500 Hz and 4 kHz; FR 28 Hz-22 kHz  $\pm 3$  dB; sens 97 dB; imp 4 ohms. 16 $\frac{1}{2}$  x 32 x 14 $\frac{1}{4}$  in; 57 lb .....\$345

## VS-100 3-Way Speaker

8-in woofer and 1-in balanced-drive dome tweeter. Power handling 125 W cont; crossover points 600 Hz and 5 kHz; FR 37 Hz-20 kHz  $\pm 3$  dB; sens 94 dB; imp 6 ohms. 13 x 27 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in; 40 lb .....\$319

## VS-80 2-Way Bookshelf Speaker

8-in woofer and 1-in balanced-drive dome tweeter. Power handling 100 W cont; crossover point 4 kHz; FR 38 Hz-20 kHz  $\pm 3$  dB; sens 94 dB; imp 6 ohms. 11 x 20 x 11 $\frac{1}{2}$  in; 26 lb .....\$205

## CHAPMAN

The following carry a 5-year warranty.

## T-7 3-Way Speaker

10-in poly laminate-fiber woofer, 7-in composite carbon-fiber midrange, and 1-in titanium-dome tweeter. Drivers are horizontally and vertically time aligned and calibrated to  $\pm 0.5$ -dB tolerance; 6-dB/oct crossover at 125 Hz; 18-dB/oct crossover at 3 kHz; dual-port compression-line woofer enclosure; ducted-port midrange enclosure; OFC wiring. OFC terminals for banana plugs, spade lugs, or bare wire. Power handling 250 W; FR 20 Hz-28 kHz  $\pm 2$  dB; sens 90 dB; imp 4 ohms. Solid-oak finish; other wood finishes optional. 13 x 44 x 10 in; 200 lb .....\$2,800/pr

## T-6 3-Way Speaker

10-in woofer, 5-in mineral-filled cone midrange, and 1-in silk-dome tweeter. Woofer housed in compression-line enclosure; ducted port midrange enclosure; OFC cast-crystal wiring; 6-dB/oct crossover at 150 Hz. Gold-plated terminals. Power handling 200 W; FR 32 Hz-20 kHz  $\pm 2$  dB; sens 89 dB; imp 4 ohms. Optional-hardwood finishes; black grille. 10 x 39 x 13 in; 160 lb .....\$1,700/pr

## VS-2 3-Way Center-Channel Speaker

Ducted-port design with two 6 $\frac{1}{2}$ -in woofers, one 3-in midrange, and one 1-in silk-dome tweeter. Magnetic shielding; OFC wiring. Power handling 120 W; FR 40 Hz-19 kHz  $\pm 2$  dB; sens 89 dB; imp 4 ohms. Solid-oak finish with black grille; other finishes available. 29 $\frac{1}{2}$  x 10 $\frac{1}{2}$  x 12 in .....\$1,100

## VS-1 2-Way Center Speaker

Ducted-port design with 6 $\frac{1}{2}$ -in woofer and 1-in silk-dome tweeter. Magnetic shielding; ducted port enclosure; OFC wiring. Gold-plated terminals. Power handling 80 W; FR 45 Hz-19 kHz  $\pm 2$  dB; sens 88 dB; imp 8 ohms. Solid-oak finish with black grille; other finishes available. 9 $\frac{1}{2}$  x 16 $\frac{1}{2}$  x 11 in .....\$740

## CINEMA ACOUSTICS

### CSX-1200 Subwoofer/Satellite System

3-speaker system with a subwoofer with two 6 $\frac{1}{2}$ -in drivers; two injection-molded satellite speakers, each with one 4-in polymer-laminate woofer driver and one 2-in polycarbonate tweeter. Includes 2 brackets and 39-ft wire. Power handling 250 W; crossover points 180 Hz and 7 kHz; FR 40-180 Hz subwoofer, 80 Hz-20 kHz satellite; sens subwoofer 88 dB, satellite 90 dB; imp 4 or 8 ohms. Euro black or black ash finish. Subwoofer: 8 $\frac{1}{2}$  x 21 x 14 $\frac{1}{4}$  in. Satellite: 5 $\frac{1}{2}$  x 7 $\frac{1}{2}$  x 5 $\frac{1}{2}$  in .....\$899

## CITATION

### Model 7.2 2-Way THX Speaker

Two 6 $\frac{1}{2}$ -in woofers and two 1-in soft-dome tweeters. THX-certified front speaker; diffraction-control system. Power handling 200 W max; FR 80 Hz-23 kHz  $\pm 2.5$  dB; sens 91 dB; imp 4 ohms. Black lacquer oak finish. 22 x 10 x 11 in; 44 lb .....\$1,350

### Model 7.4 THX Subwoofer

Front-firing 14-in woofer. Power handling 300 W max; crossover point; FR 21-100 Hz  $\pm 3$  dB; sens 91 dB; imp 6 ohms. Black lacquer oak finish. 19 $\frac{1}{2}$  x 24 $\frac{1}{2}$  x 13 $\frac{1}{2}$  in; 85 lb .....\$1,150

### Model 7.3 2-Way THX Dipolar Surround Speaker

Dipolar design with two 5 $\frac{1}{4}$ -in woofers and two 1-in soft-dome tweeters. THX-certified; point-source or diffused soundfield when used with Fosgate Audionics or Citation THX surround controller. Power handling 200 W max; FR 100 Hz-18 kHz; sens 90 dB; imp 4 or 8 ohms. Black lacquer or eggshell finish. 18 x 14 x 8 in; 28 lb .....\$1,000

### Model 5.3 2-Way THX Dipolar Surround Speaker

Dipolar design with two 5-in woofers and two 1-in soft-dome tweeters. THX-certified; point source or diffused soundfield when used with Fosgate Audionics Model Three, HK AVP1, or Citation THX surround controller. Power handling 150 W max; FR 125 Hz-18 kHz; sens 90 dB; imp 4 or 8 ohms. Black lacquer or eggshell finish. 12 x 14 x 6 $\frac{1}{2}$  in; 22 lb .....\$990/pr

### Model 5.4 THX Subwoofer

Front-firing 12-in woofer. Power handling 200 W max; FR 30-100 Hz  $\pm 3$  dB; sens 90 dB; imp 6 ohms. Black lacquered oak finish. 19 x 22 x 17 $\frac{1}{2}$  in; 70 lb .....\$795

### Model 5.2 2-Way Speaker

5 $\frac{1}{2}$ -in woofer with 3-in voice coil and 1-in soft-dome tweeter. Response curve closely matched to Model 7.2 speaker; diffraction-control system. Power handling 150 W max; FR 90 Hz-23 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. Black lacquered oak finish. 12 x 7 $\frac{1}{2}$  x 6 $\frac{1}{2}$  in; 16 lb .....\$550

## CLARK SYNTHESIS

The following have rectangular frames.

### TST 3710WT In-Wall Tactile Sound Transducer

Dual ferrofluid-cooled Lexan-dome shells. Designed for underwater use. 25 oz neodymium magnet; single-point mounting; fully submersible. Works with standard audio amps and EQs. Includes 25 ft water-resistant cable and mounting hardware. Power handling 135 W rms; FR 20 Hz-20 kHz; imp 4 ohms. Clear finish. 5 lb. Mounting area: 8 x 2 in .....\$699

### TST-329 In-Wall Tactile Sound Transducer

8-in polycarbonate driver. Built-in power limiter. Includes mounting hardware. Power handling 135 W rms; FR 20 Hz-6 kHz  $\pm 3$  dB; imp 4 ohms. Mounting area: 8 $\frac{1}{2}$  x 2 $\frac{1}{2}$  in. Mounting depth  $\frac{1}{8}$  in .....\$500

### TST 329F In-Wall Tactile Sound Transducer

Dual ferrofluid-cooled Lexan-dome shells. Designed for outdoor or hot tub use. 20 oz neodymium magnet; splash resistant. Includes mounting hardware. Power handling 135 W rms; FR 20 Hz-20



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# Speakers

kHz; imp 8 ohms. Clear finish. 5 lb. Mounting area: 8 x 2 in . . . . . \$499

## TST 229F In-Wall Tactile Sound Transducer

Dual ferrofluid-cooled dome shells. Designed for outdoor use. 20 oz neodymium magnet; splash resistant. Includes all mounting hardware. Power handling 100 W rms; FR 20 Hz-17 kHz; imp 4 ohms. Black. 5 lb. Mounting area: 8 x 2 in . . . \$299

## CREATIVE ACOUSTICS

*The following have round frames and are available in 15 different finishes. Optional mounting rings are available.*

### Deco 7 2-Way Ceiling Speaker

Coaxial infinite-baffle design with 6½-in woofer and ¾-in dome tweeter. Power handling 75 W rms; crossover point 3.5 kHz; FR 55 Hz-19 kHz; sens 89 dB; imp 6 ohms. Mounting diameter: 7½ in. Mounting depth 6 in . . . . . \$500/pr

### Deco 5 2-Way Ceiling Speaker

Coaxial infinite-baffle design with 5¼-in woofer and ¾-in dome tweeter. Power handling 50 W; crossover point 3.5 kHz; FR 75 Hz-19 kHz; sens 91 dB; imp 8 ohms. Mounting diameter 7½ in. Mounting depth 5 in . . . . . \$400/pr

### Deco 4 2-Way Ceiling Speaker

Coaxial infinite-baffle design with 3½-in woofer and ¾-in dome tweeter. Power handling 45 W; crossover point 3.5 kHz; FR 90 Hz-19 kHz; sens 90 dB; imp 8 ohms. Mounting diameter 5 in. Mounting depth 4½ in . . . . . \$350/pr

### Deco Sub Ceiling Subwoofer

6½-in driver. Power handling 100 W; crossover point 120 Hz; FR 40-120 Hz; sens 89 dB; imp 6 ohms. Mounting depth 6 in . . . . . \$300

## CROSBY AUDIO WORKS

### CAW-1 Electrostatic Speaker

Modified Quad ESL-63 with CAW-2 stands. Black ash finish standard, others available . . . \$9,995/pr

## CSI

### SP-750 2-Way Bookshelf Speaker

5-in Kevlar woofer and 3¼-in titanium tweeter. Quick-connect terminals. Power handling 50 W max; crossover point 2.5 kHz; FR 100 Hz-15 kHz; sens 89 dB; imp 8 ohms. Walnut finish. 13¼ x 11 x 4¼ in; 8 lb . . . . . \$190/pr  
**SP-2MB.** Mounting bracket . . . . . \$43

## CUSTOM DESIGNED SPEAKERS

*The following have 1½-in-thick baffles, fuse-protected drivers, gold-plated 5-way binding posts, 12-gauge internal wiring, 1½ x 1½-in bracing, and phase-aligned crossovers with polypropylene film capacitors. Custom-built speakers are available.*

### WP1 3-Way Speaker

Ducted-port design with 15-in woofer, 8-in midrange, and titanium-diaphragm horn tweeter. Power handling 300 W cont; points 400 Hz and 4 kHz; FR 25 Hz-21.5 kHz -6 dB; sens 91 dB; imp 8 ohms. White-oak cabinet with doweled solid-hardwood top and bottom; hardwood-veneer plywood for sides and baffle; discrete round metal grilles for woofer and midrange. 22 x 32 x 22 in; 100 lb . . . \$3,333/pr

### PM1 2-Way Speaker

Dual ducted-port design with two 12-in woofers and one titanium-dome tweeter. Power handling 300 W cont; crossover point 3.5 kHz; FR 43 Hz-28 kHz -6 dB; sens 93 dB; imp 8 ohms. Red-oak cabinet with hardwood-veneer plywood construction. 20½ x 37 x 15¼ in . . . . . \$3,000/pr

### JCB1 3-Way Speaker

Dual ducted-port design with 15-in woofer, 8-in

midrange, and titanium-dome tweeter. Power handling 300 W cont; crossover points 400 Hz and 3.5 kHz; FR 25 Hz-28 kHz -6 dB; sens 91 dB; imp 8 ohms. Red-oak cabinet with hardwood-veneer plywood construction. 20½ x 31 x 15¼ in . . . \$2,500/pr

## DAHLQUIST

### DQ-86.3cs/II 3-Way Speaker

8-in woofer, 6½-in midrange, and 1-in ferrofluid-cooled silk tweeter. Phase-array alignment with 1½-in MDF baffle; Neoplast lens for dispersion control. Power handling 160 W rms; FR 30 Hz-20 kHz; sens 90 dB; imp 6 ohms. 10 x 40 x 12½ in . . . \$1,100/pr

### DQ-66.2cs/II 3-Way Speaker

Two 6½-in woofers and one 1-in ferrofluid-cooled silk tweeter. Phase-array alignment; Neoplast lens for dispersion control. Power handling 140 W rms; FR 30 Hz-20 kHz; sens 89 dB; Imp 6 ohms. 8½ x 39 x 12½ in . . . . . \$950/pr

### PDQ-8307/II 3-Way Speaker

8-in woofer, 6½-in midrange, and 1-in ferrofluid-cooled silk tweeter. Radial window bracing; Neoplast lens dispersion control. Power handling 160 W rms; FR 30 Hz-20 kHz; sens 90 dB; imp 6 ohms. 10 x 40 x 11½ in . . . . . \$850/pr

### DQ-200.sub Powered Subwoofer

Two 10-in carbon-fiber injection-molded woofers; amp rated at 150 W rms. Isobaric driver configuration. Line- and speaker-level inputs; outputs for satellites with built-in high-pass crossover. Phase switch; auto on/off; A/V boost; variable crossover. FR 30-150 Hz. 12½ x 18 x 16 in . . . . . \$780

### PDQ-637/II 3-Way Speaker

Two 6½-in woofers and one 1-in ferrofluid-cooled silk tweeter in D'Appolito array. Dispersion control; MDF construction. Power handling 140 W rms; FR 30 Hz-20 kHz; sens 90 dB; imp 6 ohms. 8 x 40 x 11½ in . . . . . \$750/pr

### PDQ-110.sub Powered Subwoofer

10-in carbon-fiber injection-molded woofer; amp rated at 100 W. Auto on/off; A/V EQ; soft turn-on; phase switch; variable crossover. FR 30-120 Hz. 12½ x 18 x 16 in . . . . . \$600

### PDQ-8207 2-Way Speaker

8-in doped-fiber-cone woofer and 1-in ferrofluid-cooled-silk tweeter. Neoplast lens dispersion control. Gold-plated binding post. Power handling 100 W rms; FR 35 Hz-20 kHz; sens 90 dB; imp 4 ohms. 8 x 36 x 11½ in . . . . . \$600/pr

### DQ-6.2cs/II 2-Way Bookshelf Speaker

6½-in woofer and 1-in ferrofluid-cooled silk tweeter. Phase-array alignment; Neoplast lens for dispersion. Power handling 70 W rms; FR 40 Hz-20 kHz; sens 88 dB; imp 6 ohms. 8½ x 14½ x 12½ in . . . . . \$500/pr

### PDQ-827/II 2-Way Bookshelf Speaker

8-In woofer and 1-in ferrofluid-cooled silk tweeter. Dispersion control; MDF cabinet design. Power handling 100 W rms; FR 35 Hz-20 kHz; sens 90 dB; imp 6 ohms. 10 x 24 x 11½ in . . . . . \$500/pr

### PDQ-100.sub Powered Subwoofer

8-in polypropylene-cone woofer with rubber surround; amp rated at 100 W. MOSFET output; high-pass outputs; binding posts. Auto on/off; A/V EQ; soft turn-on; variable crossover; phase switch. FR 30-150 Hz. 16½ x 13 x 17¼ in . . . . . \$450

### PDQ-627/II 2-Way Bookshelf Speaker

6½-in woofer and 1-in ferrofluid-cooled silk tweeter. MDF construction; dispersion control. Power handling 70 W rms; FR 40 Hz-20 kHz; sens 89 dB; imp 6 ohms. 8 x 24 x 11½ in . . . . . \$450/pr

### DQ-66.2ctr/II 2-Way Center-Channel Speaker

Two 6½-in woofers and one 1-in ferrofluid-cooled silk tweeter. Neoplast lens for dispersion control.

Power handling 140 W rms; FR 55 Hz-20 kHz; sens 89 dB; imp 8 ohms. 20 x 8½ x 10½ in . . . . . \$350

### PDQ-55.2ctr 2-Way Center-Channel Speaker

Two 5¼-in woofers and one ¾-in silk-dome tweeter. Neoplast lens dispersion control. Gold-plated binding posts. Power handling 100 W rms; FR 55 Hz-20 kHz; sens 89 dB; imp 4 ohms. 18¼ x 7 x 9 in . . . \$300

### PDQ-607 2-Way Bookshelf Speaker

6½-in woofer and ¾-in ferrofluid-cooled soft-dome tweeter. Power handling 70 W rms; FR 40 Hz-20 kHz; sens 89 dB; imp 6 ohms. 19 x 7¼ x 9 in . . . . . \$300/pr

### DDA-1C 3-Way Center-Channel Speaker

Three 3-in polypropylene long-throw woofers and one 1-in silk-dome tweeter. Power handling 100 W rms; FR 100 Hz-20 kHz; sens 87 dB; Imp 8 ohms. 4 x 20 x 4 in . . . . . \$260

### DDA-1T 3-Way Speaker

Three 3-in polypropylene long-throw woofers and one 1-in silk-dome tweeter. Power handling 100 W rms; FR 100 Hz-20 kHz; sens 87 dB; imp 8 ohms. 4 x 20 x 4 in . . . . . \$260

### PDQ-1A 2-Way Bookshelf Speaker

6½-in woofer and ¾-in ferrofluid-cooled polypropylene-dome tweeter. Point-source driver alignment. Power handling 70 W rms; FR 40 Hz-20 kHz; sens 90 dB; imp 8 ohms. 8½ x 14 x 11½ in . . . . . \$250/pr

## DAVID LUCAS

### Double Impact Dipolar Electrostatic Speaker

Dipolar design with 18 x 72-in aluminum stators. Battery-operated bias supply that uses 2 D cells. Taps at 2, 4, 8, or 16 ohms; must be biamped. User-adjustable bias supply. Power handling 500 W; FR 30 Hz-50 kHz ±2 dB; sens 91 dB; imp 6 ohms min. Oak with black drivers. 18 x 72 x 4 in; 40 lb . . . . . \$499/pr  
**Impact.** As above, 18 x 36-in aluminum stators. 18 x 36 x 4 in; 20 lb . . . . . \$399/pr

## DCM

### TimeWindow 7 3-Way Speaker

Rear-ported hybrid transmission-line design with two 9-in polymer-impregnated woofers, two 6½-in polypropylene-cone midranges each with coaxially mounted ¾-in hard-dome tweeter; ¾-in rear-firing hard-dome tweeter. Spectral balance controls. Power handling 700 W; FR 26 Hz-25 kHz; sens 92 dB; imp 4 ohms. High-gloss black. 18½ x 48 x 14 in; 70 lb . . . . . \$1,599

### TimeWindow SurroundScape 2 3-Way Powered Speaker

Two vented 6½-in woofers, two 6½-in polypropylene woofers each with coaxially mounted ¾-in hard-dome tweeters; two ambient-field ¾-in hard-dome tweeters; woofer amp rated at 100 W, front 150 W, rear 100 W. Seven-sided enclosure; magnetic shielding. Woofer control. Sens 92 dB; Imp 6 ohms. Gloss-black base and top plate; black wraparound grille. 16½ x 43½ x 12½ in; 60 lb . . . . . \$1,099

**TimeWindow SurroundScape.** Nonpowered ported version of above without subwoofer section. 15¼ x 40¼ x 12 in; 43 lb . . . . . \$700

### TimeFrame Premiere 4-Way Speaker/Powered Subwoofer

Built-in 100-W powered subwoofer with two 8-in drivers; speaker section with one 6½-in cone midrange, one ¾-in horn-loaded neodymium tweeter, and two dome ¾-in tweeters. FR 20 Hz-20 kHz; sens 93 dB; imp 8 ohms. Gloss black tops and bottoms with black wraparound. 11 x 44 x 16 in; 60 lb . . . . . \$699

**TimeFrame 3-Way Speaker/Powered Subwoofer** Built-in 100-W powered subwoofer with two 6½-in drivers; speaker section with one 6½-in cone mid-

# Speakers

range and three 3/4-in horn-loaded neodymium tweeters. FR 28 Hz-20 kHz; sens 92 dB; imp 8 ohms. Gloss black tops and bottoms with black wraparound. 10 x 40 x 14 in; 50 lb .....\$499

## Sub-210 Powered Subwoofer

Ported bandpass design with two 10-in drivers; 395-W amp. Magnetic shielding. Phase switch. FR 25-120 Hz. Textured black finish. 15 1/2 x 18 x 15 1/2 in .....\$499

## OW-2 2-Way Speaker

Acoustic-suspension design with one 6 1/2-in woofer and two 3/4-in dome tweeters. Power handling 100 W; FR 80 Hz-20 kHz; sens 92 dB; imp 8 ohms. Ivory or black finish and grille. 14 1/4 x 10 1/2 x 4 1/2 in; 25 lb .....\$458/pr

## Powered KX-12 Series Two 4-Way Speaker/Powered Subwoofer

Acoustic-suspension design with built-in 195-W powered subwoofer with 12-in driver; speaker section with 8-in cone midrange, 6 1/2-in cone midrange, and 3/4-in horn-loaded neodymium tweeter. FR 25 Hz-20 kHz; sens 100 dB; imp 8 ohms. Textured black finish with black knit grille. 15 x 38 x 14 in; 60 lb .....\$399

## W-8R 2-Way In-Wall Speaker

8-in woofer and 1-in dome tweeter. Power handling 10 W min, 100 W max; FR 30 Hz-20 kHz; sens 88 dB; imp 8 ohms. White finish with rectangular frame. Mounting area: 14 x 10 in .....\$349/pr

**W-6R.** As above, 6 1/2-in woofer. Power handling 10 W min, 60 W max; FR 40 Hz-20 kHz; sens 89 dB. Mounting area: 12 x 9 in .....\$249/pr

## SurroundScape 2-Way Center-Channel Speaker

Coaxial acoustic-suspension design with direct-firing 6-in polypropylene woofer and 3/4-in hard-dome tweeter in an anti-diffraction acoustic lens. Magnetic shielding. Power handling 150 W; FR 50 Hz-20 kHz; sens 92 dB; imp 8 ohms. Black gloss side panels; black pebble finish. 22 1/2 x 7 1/2 x 7 1/2 in; 15 lb .....\$279

## OW-1 2-Way Speaker

Acoustic-suspension design with one 5-in woofer and two 3/4-in dome tweeters. Power handling 10 W min, 100 W max; FR 90 Hz-20 kHz; sens 92 dB; imp 8 ohms. Ivory finish and grille. 10 x 8 1/4 x 3 1/4 in; 20 lb .....\$278/pr

## W-6X 2-Way In-Wall Speaker

6 1/2-in woofer and 3/4-in dome tweeter. Power handling 60 W max; FR 60 Hz-20 kHz; sens 91 dB; imp 8 ohms. White finish with white metal grille. Round frame. Mounting diameter 9 in .....\$199/pr

**W-5XD.** As above, 5 1/4-in woofer and 1-in cone tweeter. FR 70 Hz-20 kHz; sens 91 dB. Mounting diameter 8 in .....\$119/pr

## W-5X 2-Way Ceiling Speaker

5 1/4-in woofer and 3/4-in dome tweeter. Power handling 15 W min, 50 W max; FR 70 Hz-20 kHz; sens 90 dB; imp 8 ohms. White finish with black or white recessed grille. Mounting diameter 8 in .....\$149/pr

## KX Series

The following have long-throw woofers, horn-loaded bullet-type tweeters, a black-woodgrain finish, and a removable black grille.

## KX-12 Series Two 3-Way Speaker

Modified transmission-line design with 12-in woofer, 6-in midrange, and 3/4-in horn-loaded tweeter. Power handling 250 W; FR 26 Hz-20 kHz; sens 99 dB; imp 8 ohms. 16 x 33 x 13 1/4 in; 50 lb .....\$300

**KX-10 Series Two.** As above, 10-in woofer. Power handling 175 W; FR 30 Hz-20 kHz; sens 97 dB. 13 3/4 x 28 1/2 x 12 in; 39 lb .....\$249

**KX-7 Series Two.** As above, 6-in dual-voice-coil woofer and one 3/4-in tweeter. Self-resetting protection circuitry. Power handling 125 W; FR 45 Hz-20 kHz; sens 95 dB; imp 8 ohms. 10 1/2 x 19 x 10 1/4 in; 21 lb .....\$199



Definitive Technology BP3000TL system

## KX-Sub 1 Powered Subwoofer

Modified bandpass design with 10-in woofer; 195-W amp. Magnetic shielding. FR 30-120 Hz. 14 1/2 x 17 x 14 1/2 in; 39 lb .....\$299

## KX-Center Series Two 2-Way Center-Channel Speaker

Acoustic-suspension design with two 6-in woofers and one 3/4-in tweeter. Magnetic shielding. Power handling 100 W; FR 50 Hz-20 kHz; sens 97 dB; imp 8 ohms. 22 x 8 1/2 x 7 1/2 in; 15 lb .....\$199

## KX-6 Series Two 2-Way Speaker

Acoustic-suspension design with 6-in dual-voice-coil woofer and 3/4-in tweeter. Power handling 125 W; FR 60 Hz-20 kHz; sens 94 dB; imp 8 ohms. 13 x 25 x 8 3/4 in; 10 lb .....\$129

## DEFINITIVE TECHNOLOGY

### BP3000TL 3-Way Speaker/Powered Subwoofer

Transmission-line design with built-in powered subwoofer with 18-in driver and 1,000-W amp; speaker section with four 6 1/2-in cast-basket woofers with polypropylene cones and two 1-in aluminum-dome tweeters with silk surrounds. Bipole design; triple-chamber monocoque cabinet; Linkwitz-Riley differential crossover; 1-, 1 1/2-, and 2-in high-density Medite bonded to foam damping pads. Three sets of 5-way binding post for biamp and tri-amp terminals; separate line-level and LFE input for subwoofer. Subwoofer-level control. Includes floor spikes. Crossover points 80 Hz and 3 kHz; FR 13 Hz-30 kHz; sens 91 dB; imp 8 ohms. Gloss-black or cherry endcaps; black cloth grille. 5-yr speaker, 3-yr amp warranty. 9 x 52 x 19 in .....\$2,250

### PowerField 1800 Powered Subwoofer

18-in polymer-laminate woofer; amp rated at 500 W rms. 36-dB/oct low-pass filter variable from 40-100 Hz; 12-dB/oct high-pass filter variable from 50-100 Hz; braced monocoque cabinet. Line- and speaker-level inputs and outputs; gold-plated 5-way binding posts. Variable phase control; volume control. FR 13-125 Hz. Piano-black lacquer or natural golden-oak end caps. 20 x 20 x 22 in .....\$1,599

**PowerField 15TL.** As above, 15-in driver; amp rated at 325 W rms. 24-dB/oct low- and high-pass filter. Phase control. FR 18-125 Hz. 17 x 17 x 17 1/2 in .....\$699

### BP2000TL 3-Way Speaker/Powered Subwoofer

Combines powered subwoofer section housing 15-in side-firing driver and 500-W amp with bipolar section housing front and rear driver complements, each comprised of two 6 1/2-in polymer-cone woofers and transmission-line-loaded 1-in aluminum-dome tweeter with 500-W rms power

handling. Linkwitz-Riley differential crossover; triple-chamber monocoque cabinet construction using 1-, 1 1/2-, and 2-in-thick high-density Medite bonded to foam shear damping pads; mirror-image-pair design. Speaker-level inputs; line/speaker-level subwoofer input; triampable terminals. FR 15 Hz-30 kHz. Piano-black lacquer or cherry endcaps with black wraparound cloth grille. 9 x 50 x 17 in; 120 lb .....\$1,499

**BP2002.** Smaller version of above. Subwoofer with 12-in driver and 125-W amp; front and rear driver complements each with one 5 1/4-in midrange and one tweeter. LFE/subwoofer input with level control. FR 18 Hz-30 kHz. 7 1/4 x 43 x 14 1/4 in; 65 lb\$999

**BP2004.** As BP2002, 10-in subwoofer. FR 19 Hz-30 kHz. 7 1/4 x 40 x 13 in; 55 lb .....\$749

### C/L/R 3000 3-Way Speaker/Powered Subwoofer

Transmission-line design with built-in powered subwoofer with 10-in driver and 150-W amp; speaker section with two 6 1/2-in cast-basket woofers and 1-in aluminum-dome tweeter. Monocoque high-density Medite cabinet; magnetic shielding; D'Appolito array. Three pairs of 5-way binding posts; subwoofer RCA line-level input. Subwoofer-level control; adjustable vertical angle. Crossover points 100 Hz and 3 kHz; FR 19 Hz-30 kHz; sens 91 dB; imp 8 ohms. Gloss-black or cherry endcaps with wraparound cloth grille. 25 x 8 1/2 x 16 in .....\$999

### PowerField 18TL Powered Subwoofer

Transmission-line design with 18-in polymer-laminate woofer; amp rated at 325 W. Monocoque cabinet. Speaker- and line-level inputs and outputs. Adjustable phase; adjustable high- and low-pass filters; level control; auto on/off. Includes spikes. Crossover point adjustable from 40-150 Hz; FR 13 Hz-150 Hz. Black. 5-yr speaker, 3-yr warranty. 19 1/4 x 20 1/2 x 18 1/2 in; 90 lb .....\$999

**PowerField 15TL.** As above, 15-in woofer. FR 15-150 Hz. 17 x 17 x 17 1/2 in .....\$699

### PowerField 1500TL Powered Subwoofer

15-in polymer-laminate woofer; amp rated at 325 W rms. Active crossover with independent 24-dB/oct low-pass and 12 dB/oct high-pass filters, each variable from 50-100 Hz. Line- and speaker-level inputs and outputs; gold-plated 5-way binding posts. Variable phase control; level control. FR 15-125 Hz. Piano-black lacquer. 18 x 12 x 18 in .....\$899

As above with gloss-black end panels and wrap-around cloth grille .....\$899

### BP30 2-Way Bipolar Speaker

Bipolar design with four 6 1/2-in mineral-filled polymer woofers and two 1-in aluminum-dome tweeters. Phase-coherent Linkwitz-Riley crossover; symmetrically concentric driver arrays on front and rear baffles; computer-synthesized transmission-line tuning. Biampable terminals. Power handling 500 W; FR 18 Hz-28 kHz; sens 90 dB; imp 8 ohms. Black-lacquer or oak endcaps. 8 1/2 x 46 x 15 in .....\$699

### C/L/R 2000 2-Way Center-Channel Speaker

Two 6 1/2-in polymer-cone woofers and one 1-in aluminum-dome tweeter. Linkwitz-Riley crossover; monocoque cabinet construction; magnetic shielding. Biampable terminals. Power handling 350 W; sens 91 dB; imp 8 ohms. Gloss-black end panels. 21 1/2 x 8 1/2 x 15 in .....\$650

### PowerField 12TL Powered Subwoofer

12-in polymer-laminate cone woofer with butyl-rubber surround; amp rated at 125 W rms. Butyl rubber surround; 24-dB/oct low-pass filter variable from 40-150 Hz; 12-dB/oct high-pass filter variable at 80 Hz; braced monocoque cabinet construction. Speaker- and line-level inputs; speaker-level outputs; gold-plated 5-way binding posts. FR 19-150 Hz. Black ash woodgrain laminate finish. 13 3/4 x 14 x 18 1/2 in .....\$549

### ProTower 400 3-Way Speaker/Powered Subwoofer

Transmission-line design with built-in powered subwoofer with two 6 1/2-in drivers and 125-W

# Speakers

amp; speaker section with 6½-in cast-basket woofer and 1-in aluminum-dome tweeter. Direct/Reflecting design; Linkwitz-Riley crossover; magnetic shielding. 5-way binding post; separate line-level and LFE inputs. Subwoofer-level control; adjustable speaker angle. Includes floor spikes. Crossover points 100 Hz and 3 kHz; sens 91 dB; imp 8 ohms. Black or white. 5-yr speaker, 3-yr amp warranty. 7¼ x 38½ x 11 in .....\$549

## BP10B 2-Way Bipolar Speaker

Bipolar design with two 6½-in mineral-filled woofers and two 1-in ferrofluid-cooled aluminum-dome tweeters. Linkwitz-Riley crossover. Power handling 300 W; FR 20 Hz-30 kHz; sens 91 dB; imp 8 ohms. Wood or black-lacquer finish. 5-yr warranty. 8 x 42 x 12½ in .....\$499

## C/L/R 2002 2-Way Center-Channel Speaker

Two 5½-in polymer-cone cast-basket midranges and one 1-in aluminum-dome tweeter. Linkwitz-Riley crossover; unitized monocoque cabinet construction; magnetic shielding. Power handling 250 W; FR 30 Hz-30 kHz. Grille sock and gloss-black endcaps. 21 x 6¾ x 12 in .....\$499

## ProSub 100 Powered Subwoofer

Transmission-line design with 10-in woofer with polymer cone; 125-W amp. Monocoque cabinet. Speaker- and line-level inputs and outputs; LFE input. Includes spikes. Crossover point adjustable from 40-150 Hz; FR 19 Hz-150 Hz. Black or white. 5-yr speaker, 3-yr amp warranty. 11¼ x 14½ x 17 in .....\$449

## BPX 2-Way Bipolar Surround Speaker

Bipolar design with two 5¼-in woofers and one 1-in aluminum-dome tweeter in D'Appolito configuration on front and rear baffles. Includes wall brackets. Power handling 350 W; FR 35 Hz-30 kHz. Gloss-black endcaps. 17½ x 10 x 6½ in \$450 Above with matte-white endcaps .....\$399

## BP8B 2-Way Speaker

Two 5½-in polypropylene woofers and two 1-in aluminum-dome tweeters. Proprietary computer-synthesized transmission-line tuning. Power handling 200 W max; FR 22 Hz-39 kHz; sens 91 dB; imp 8 ohms. 7 x 38 x 11 in .....\$399

## C/L/R 1000B 2-Way Center-Channel Speaker

Two 6½-in polypropylene woofers and one 1-in fluid-cooled aluminum tweeter. Linkwitz-Riley crossover; magnetic shielding. Power handling 300 W max; FR 25 Hz-30 kHz; sens 91 dB; imp 8 ohms. 5-yr limited parts-and-labor warranty. 21½ x 8 x 12 in .....\$399

## BP6B 2-Way Bipolar Speaker

Bipolar design with two 5¼-in polymer-cone woofers and two 1-in aluminum-dome tweeters. Proprietary computer-optimized transmission-line tuning; Linkwitz-Riley crossover; minimum-diffraction driver/baffle/grille interface; unitized monocoque construction; 1-in-thick Medite baffles. Power handling 200 W rms; FR 25 Hz-25 kHz; sens 91 dB; imp 8 ohms. Matte black ash endcaps. 35 x 7 x 11 in .....\$299

## C1B 2-Way Center-Channel Speaker

Two 5¼-in woofers and one 1-in aluminum-dome tweeter. Linkwitz-Riley crossover. Power handling 200 W; FR 25 Hz-30 kHz; sens 90 dB; imp 8 ohms. 6¾ x 19 x 8½ in .....\$299

## ProCenter C-2 2-Way Center-Channel Speaker

Transmission-line design with two 5¼-in cast-basket woofers and 1-in aluminum-dome tweeter. Linkwitz-Riley crossover; magnetic shielding. 5-way binding posts. Adjustable vertical angle. Power handling 200 W; crossover point 3 kHz; FR 45 Hz-30 kHz; sens 91 dB; imp 8 ohms. Black or white. 5-yr warranty. 20 x 6¾ x 9¼ in .....\$299

## BP2X 2-Way Bipolar Surround Speaker

Bipolar design with two 5¼-in polypropylene-

cone woofers and two 1-in aluminum-dome tweeters. Linkwitz-Riley crossover; minimum-diffraction grille/ baffle interface. Includes wall-mount plate. Power handling 200 W; FR 50 Hz-30 kHz; sens 90 dB; imp 8 ohms. Black or white. 7 x 11 x 7 in .....\$250

## ProMonitor 200 2-Way Bookshelf Speaker

6½-in cast-basket woofer and 1-in aluminum-dome tweeter. Built-in pivoting base/stand; Linkwitz-Riley crossover; magnetic shielding; wall mountable. 5-way binding posts. Includes pivoting base. Power handling 200 W; FR 28 Hz-30 kHz; sens 91 dB; imp 8 ohms. White or black. 5-yr warranty. 7¼ x 14 x 11 in .....\$225

## C1 jr 2-Way Center-Channel Speaker

5¼-in polypropylene woofer and 1-in aluminum-dome tweeter. Linkwitz-Riley crossover; 1-in-thick Medite baffle. Power handling 125 W; FR 55 Hz-28 kHz; sens 90 dB; imp 8 ohms. 5-yr limited parts-and-labor warranty. 17 x 6¾ x 8½ in .....\$199

## ProCenter 100 2-Way Center-Channel Speaker

Acoustic-suspension design with two 4½-in cast-basket woofers with polymer cones and one 1-in aluminum-dome tweeter with silk surround. Magnetic shielding; non-resonant cabinet with diffractionless grille/cabinet interface; D'Appolito driver array. 5-way binding posts. Adjustable vertical angle. Power handling 175 W; crossover point 3.5 kHz; FR 50 Hz-30 kHz; sens 90 dB; imp 8 ohms. Black or white. 5-yr warranty. 14¾ x 5¼ x 5¼ in; 13 lb .....\$199

## Celsius DR 2-Way Bookshelf Speaker

5¼-in mineral-filled polypropylene-cone woofer and 1-in aluminum-dome tweeter. Self-damping silk tweeter surround; Linkwitz-Riley crossover. Power handling 125 W; FR 45 Hz-28 kHz; sens 89 dB; imp 8 ohms. Black ash polymer-laminate finish. 7 x 12 x 11 in .....\$185

## BP1x 2-Way Bipolar Surround Speaker

Bipolar design with two 4½-in polymer woofers and two ¾-in dome tweeters. Linkwitz-Riley crossover. Power handling 125 W; FR 60 Hz-30 kHz; sens 91; imp 8 ohms. Black or white. 5-yr limited warranty. 6 x 10 x 6 in .....\$175

## ProMonitor 100 2-Way Satellite Speaker

Acoustic-suspension design with 5¼-in cast-basket woofer with polymer cone and 1-in aluminum-dome tweeter with silk surround. Non-resonant cabinet; magnetic shielding; diffractionless grille/ baffle interface. 5-way binding posts. Includes pivoting stand/wall mount. Power handling 175 W; crossover point 3.5 kHz; FR 50 Hz-30 kHz; sens 90 dB; imp 8 ohms. White or black. 5-yr warranty. 5¼ x 10 x 5¼ in; 11 lb .....\$175

## Home Theater System Packages

**BP3000TL Ultimate Home Theater System**  
Two BP 3000TL speakers, two BP 2000TL speakers, and one CLR 3000 .....\$8,499

## BP3000TL Home Theater System

Two BP 3000TL speakers, two BPX speakers, and one CLR 3000 .....\$6,397

## BP2000 Home Theater System

Two BP2000 speakers, C/L/R 2000 center speaker, and two BPX surround speakers .....\$4,550

## BP30 Home Theater System

Two BP30s, one PF 1500TL, one C/L/R 1000B, and two BP2Xs .....\$3,250

## BP2002 Home Theater System

Two BP2002 speakers, one C/L/R 2002 center speaker, and two BP2X surround speakers .....\$3,050

## BP10B Home Theater System

Two BP10B speakers, one PF 1500 subwoofer, one C/L/R 1000B center speaker, and two BP2X surround speakers .....\$2,594

## BP8B Home Theater System

Two BP8B speakers, one PF 12H subwoofer, one C1 jr center speaker, and two BP1 surround speakers .....\$1,999

## BP6B Home Theater System

Two BP6B speakers, one PF 12H subwoofer, one C1 jr center speaker, and two BP1 surround speakers .....\$1,825

## ProCinema 400 Home Theater System

One ProCenter C-2, two ProTower 400, and two ProMonitor 200 speakers .....\$1,747

## ProCinema 200 Home Theater System

One Powerfield 12TL powered subwoofer, one ProCenter C-2 center speaker, two ProMonitor 200 speakers, and two ProMonitor 100 speakers .....\$1,648

## ProCinema 100.6 Home Theater System

Four ProMonitor 100 speakers, one ProSub 100, and one ProCenter 100 .....\$1,348

**ProCinema 100.4.** As above with two ProMonitor 100 speakers .....\$998

**ProCinema 100.3.** As ProMonitor 100.4, without ProCenter 100 speaker .....\$799

## In-Wall Speakers

### UIW BP 2-Way In-Wall Bipolar Speaker

Bipolar design with two 5¼-in cast-basket woofers, each with coaxially mounted 1-in aluminum-dome tweeter. Power handling 250 W; FR 28 Hz-30 kHz. Rectangular frame. Mounting area: 7 x 12½ in .....\$499/pr

### UIW 65 2-Way In-Wall Speaker

6½-in cast-basket woofer and 1-in aluminum-dome tweeter. Power handling 200 W; FR 28 Hz-30 kHz. Rectangular frame. Mounting area: 7½ x 10½ in .....\$429/pr

### UIW 64 2-Way In-Wall Speaker

Coaxial design with 6½-in cast-basket woofer and 1-in aluminum-dome tweeter. Power handling 200 W; FR 28 Hz-30 kHz. Round frame. Mounting diameter: 8½ in .....\$349/pr  
**UIW 63.** As above, ½-in dome tweeter. FR 15 Hz-25 kHz .....\$229/pr

### UIW 75 2-Way In-Wall Speaker

Two 6½-in cast-basket woofers and 1-in aluminum-dome tweeter. D'Appolito array. Two 5-way binding posts. High-frequency EQ control. Includes mounting template and paint guard. Power handling 300 W; crossover point 3 kHz; FR 26 Hz-30 kHz; sens 91 dB; imp 8 ohms. White. 5-yr warranty. Rectangular frame. Mounting area: 7½ x 16½ in .....\$325

### UIW 55 2-Way In-Wall Speaker

5½-in cast-basket woofer and 1-in aluminum-dome tweeter. Power handling 175 W; FR 35 Hz-30 kHz. Rectangular frame. Mounting area: 6½ x 10½ in .....\$299/pr

## DENNESEN

### Serenus 3-Way Electrostatic Speaker

One 8-in slot-loaded downward-firing woofer, one 6½-in midrange, and four electrostatic elements. Designed for minimal edge refractions and reflections. Nonresonant midrange phase plug; phase alignment. Gold-plated brass or copper connectors, veneer finish, and special grille types optional. 10 W min, 250 W max; FR 30 Hz-35 kHz; sens 90 dB; imp 8 or 5 ohms. 12 x 54 x 14 in .....\$2,500/pr  
**Ample I.** As above, 5-in woofer. FR 70 Hz-35 kHz. 7 x 22 x 10 in .....\$1,500/pr

## DGX

### DDL-1 3-Way Speaker

Bass-reflex design. For use with DDA-1 integrated amplifier/digital signal processor. Power handling 150 W; sens 89 dB; imp 6 ohms. 15½ x 39½ x 11 in; 68 lb .....\$1,500/pr  
As above, DDA-1 amp/processor .....\$2,195

# Speakers

## DUNLAVY AUDIO LABS

The following have metal-film capacitors, machine-wound high-purity copper coils, military-spec fiberglass PC boards using high-purity copper traces, and internal wiring using proprietary copper cables. All have biampable terminals. Light or black oak finish is standard; cherry, natural cherry, or rosewood finish is optional. All carry 5-year transferable warranties.

### SC-VI 4-Way Speaker

Acoustic-suspension design with two 15-in woofers, two 8-in woofers, two 5/2-in midranges, and one 1-in composite-textile dome tweeter. Power handling 150 W max; FR 18 Hz-20 kHz  $\pm 1.5$  dB; sens 91 dB; imp 5 ohms. 18 x 7 7/8 x 33 in; 550 lb . . . \$24,995/pr

### SC-V 4-Way Speaker

Acoustic-suspension design with two 12-in woofers, two 6 1/2-in woofers, two 3-in cone midranges, and one 1-in composite-textile dome tweeter. Power handling 150 W max; FR 20 Hz-20 kHz  $\pm 1.5$  dB; sens 91 dB; imp 5 ohms. 15 x 7 5/8 x 27 in; 330 lb . . . \$12,995/pr

### SC-IV 3-Way Speaker

Acoustic-suspension design with two 10-in woofers, two 5 1/2-in midranges, and one 1-in composite-textile tweeter. Power handling 150 W max; FR 35 Hz-20 kHz  $\pm 1.5$  dB; sens 91 dB; imp 5 ohms. 12 x 72 x 18 in; 180 lb . . . \$5,995/pr  
**SC-IV/A.** As above, biampable terminals. FR 25 Hz-20 kHz  $\pm 1.5$  dB. 190 lb . . . \$7,995/pr  
**SC-IV/A** in cherry, natural cherry, and rosewood veneer finish . . . \$8,495/pr

### SC-III 3-Way Speaker

Two 7-in woofers, two 5 1/2-in midranges, and one 1-in composite-textile tweeter. Power handling 150 W max; FR 45 Hz-20 kHz  $\pm 1.5$  dB; sens 91 dB; imp 5 ohms. 9 x 72 x 12 in; 90 lb . . . \$3,995/pr

### SC-II 2-Way Speaker

Two 6 1/2-in woofers and one 1-in composite-textile tweeter. Power handling 150 W max; FR 55 Hz-20 kHz  $\pm 1.5$  dB; sens 91 dB; imp 5 ohms. 8 x 60 x 10 in; 65 lb . . . \$2,495/pr

### SC-I 2-Way Speaker

Acoustic-suspension design with two 5 1/2-in midranges and one 1-in composite-textile dome tweeter. Power handling 150 W max; FR 80 Hz-20 kHz  $\pm 1.5$  dB; sens 91 dB; imp 6 ohms. 8 x 20 x 10 in; 22 lb . . . \$1,195/pr

### SC-1/AV 2-Way Speaker

Acoustic-suspension design with two 5 1/2-in woofers and one 1-in soft-dome tweeter. Magnetic shielding. Power handling 150 W max; FR 65 Hz-20 kHz  $\pm 1.5$  dB; sens 91 dB; imp 6 ohms. 8 x 20 x 10 in; 26 lb . . . \$750

## DYNAUDIO

The following have magnesium-silicate-polymer cone drivers with aluminum voice coils, 6-dB/oct impedance-corrected crossovers, and a 5-year warranty.

### Consequence 4-Way Speaker

Compound-Variovent design with two 11 1/4-in woofers (one internally mounted), one 6 1/4-in woofer, one 2 1/2-in fluid-cooled soft-dome tweeter, and one 1/2-in soft-dome supertweeter. Drivers matched to 0.5-dB tolerance, and mounted with antiresonant solid-bronze front plate. Gold-plated binding posts. Power handling 250 W rms; crossover points 800 Hz, 1.4 kHz, 2.7 kHz, and 15 kHz; FR 20 Hz-30 kHz  $\pm 3$  dB; sens 84 dB; imp 8 ohms. Rosewood or cherry finish. 16 x 49 x 24 in; 181 lb . . . \$24,999/pr

### Confidence Series

#### Confidence 5 4-Way Speaker

Compound design with multilayer/multidivision sandwich enclosure with 7 1/2-in woofer, internally mounted 6 1/4-in woofer, 2 1/2-in custom Esotar soft-

dome midrange, and 1 1/4-in custom Esotar soft-dome tweeter. Drivers wired point-to-point. Gold-plated binding posts. Power handling 250 W rms; FR 43 Hz-21 kHz  $\pm 3$  dB; sens 85 dB; imp 4 ohms. Rosewood, cherry, black ash, or walnut finish. 8 x 47 x 15 in; 90 lb . . . \$9,999/pr

#### Confidence 3 2-Way Bookshelf Speaker

Bass-reflex design with 8-in woofer and 1 1/4-in custom Esotar soft-dome tweeter. Drivers wired point-to-point. WBT gold-plated binding posts and OCOS connectors. Power handling 200 W rms; crossover points 1.08 and 4 kHz; FR 32 Hz-28 kHz  $\pm 3$  dB; sens 86 dB; imp 4 ohms. Rosewood, cherry, black ash, or walnut finish. 9 x 19 x 13 in; 38 lb . . . \$7,999/pr

### Contour Series

#### Contour 3.3 3-Way Speaker

Dual-port bass-reflex design with two 8-in woofers and one 5 1/4-in midrange. Magnetic shielding; each driver housed in a separate asymmetrical sub-enclosure. Includes spikes and port plugs. Power handling 300 W; crossover points 350 Hz and 2.3 kHz; FR 26 Hz-24 kHz  $\pm 3$  dB; sens 89.5 dB; imp 4 ohms. Rosewood. 8 1/2 x 46 1/2 x 14 1/2 in; 80 lb . . . \$6,999/pr

#### Contour 3.0 3-Way Speaker

Bass-reflex design with 8-in woofer, 5 1/4-in midrange, and 1 1/4-in soft-dome tweeter. Impedance-corrected crossover; magnetic shielding. Includes port plugs and spikes. Power handling 200 W rms; FR 28 Hz-21 kHz  $\pm 3$  dB; sens 86 dB; imp 4 ohms. Rosewood, cherry, black ash, or walnut finish. 8 3/4 x 41 1/4 x 14 1/2 in; 75 lb . . . \$4,999/pr

#### Contour 1.8 mk II 2-Way Speaker

Dual-port bass-reflex design with two 6 1/4-in woofers and one 1 1/4-in fluid-cooled soft-dome tweeter. Magnetic shielding. Gold-plated binding posts and OCOS connectors. Power handling 250 W rms; crossover point 2.6 kHz; FR 28 Hz-30 kHz  $\pm 3$  dB; sens 88 dB; imp 4 ohms. Rosewood, cherry, black ash, or walnut finish. 8 x 38 x 12 in; 42 lb . . . \$3,199/pr

#### Contour 1.3 mk II 2-Way Bookshelf Speaker

Bass-reflex design with 6 1/2-in woofer and 1 1/4-in soft-dome tweeter. Impedance-corrected crossover; magnetic shielding. Includes port plugs. Power handling 150 W rms; FR 40 Hz-24 kHz  $\pm 3$  dB; sens 86 dB; imp 4 ohms. Rosewood, cherry, black ash, or walnut finish. 8 x 15 x 11 1/2 in; 19 lb . . . \$2,199/pr

#### Contour 1.1 2-Way Bookshelf Speaker

Bass-reflex design with 5 1/2-in woofer and 1 1/4-in fluid-cooled soft-dome tweeter. Gold-plated binding posts. Power handling 120 W rms; crossover point 1.5 kHz; FR 47 Hz-30 kHz  $\pm 3$  dB; sens 85 dB; imp 4 ohms. Rosewood, cherry, black ash, or walnut finish. 7 x 12 x 11 in; 15 lb . . . \$1,599/pr

#### Contour Center 2-Way Center-Channel Speaker

Variovent design with 5 1/2-in woofer and 1 1/4-in fluid-cooled soft-dome tweeter. Gold-plated binding posts and OCOS connectors. Adjustable woofer output level. Power handling 150 W rms; crossover points 2.6 kHz; FR 75 Hz-21 kHz  $\pm 3$  dB; sens 87 dB; imp 6 ohms. Rosewood, cherry, black ash, or walnut finish. 23 x 7 x 13 in; 25 lb . . . \$1,299

### Audience Series

**Audience 5.1 System 30A Home Theater System** 6-speaker package featuring one Audience SUB-30A powered subwoofer, one Audience C120+ center speaker, and four Audience LR120+ surround speakers . . . \$4,999

**Audience 5.1 System 20A.** As above with Audience SUB-20A powered subwoofer instead of SUB-30A . . . \$4,599

#### Audience 80 3-Way Speaker

Bass-reflex design with two 8-in woofers, one 5 1/4-in midrange, and one 1 1/4-in soft-dome tweeter. Thermal protection; magnetic shielding. Includes

port plugs. Power handling 210 W rms. Rosewood, black ash, or light-cherry vinyl finish. 8 1/2 x 40 1/2 x 12 1/2 in . . . \$2,399/pr  
**Audience 70 2-Way Speaker.** As above, two 6 1/2-in woofers and one 1 1/4-in soft-dome tweeter. 8 x 35 1/2 x 10 1/2 in . . . \$1,599/pr

#### Audience SUB-30A Powered Subwoofer

Bass-reflex design with 12-in woofer with 4-in voice coil; 90-W amp. Infrasonic filter; thermal protection circuitry; proprietary system to link 6 subwoofers into one subwoofer channel; magnetic shielding. 3 input terminals; 2 output terminals. Phase control; output-level control; auto standby. Crossover point adjustable from 60-120 Hz; FR 23-150 Hz; sens 115 dB. Black ash vinyl finish. 22 1/2 x 17 x 18 in; 53 lb . . . \$1,599

#### Audience LR120+ 2-Way Speaker

Bass-reflex design with two 5 1/2-in midranges and one 1 1/4-in soft-dome tweeter in D'Appolito array. Thermal protection; magnetic shielding. Includes port plugs. Power handling 200 W rms. Rosewood, black ash, or light-cherry vinyl finish. 6 1/2 x 22 1/2 x 12 1/2 in . . . \$1,499/pr

#### Audience 60 2-Way Speaker

Bass-reflex design with 6 1/2-in woofer and 1 1/4-in soft-dome tweeter. Thermal protection; magnetic shielding. Includes port plugs. Power handling 150 W rms. Rosewood, black ash, or light-cherry vinyl finish. 8 x 31 1/2 x 10 1/2 in . . . \$1,199/pr

#### Audience SUB-20A Powered Subwoofer

Bass-reflex design with 10-in woofer with 4-in voice coil; 90-W amp. Infrasonic filter; thermal protection circuitry; proprietary system to link 6 subwoofers into one subwoofer channel; magnetic shielding. 3 input terminals; 2 output terminals. Phase control; output-level control; auto standby. Crossover point adjustable from 60-120 Hz; FR 25-150 Hz; sens 110 dB. Black ash vinyl finish. 5-yr warranty. 11 x 17 x 18 in; 31 lb . . . \$1,199

#### Audience 50 2-Way Bookshelf Speaker

Bass-reflex design with 6 1/2-in woofer and 1 1/4-in soft-dome tweeter. Thermal protection; magnetic shielding. Includes port plugs. Power handling 150 W rms; FR 45 Hz-22 kHz  $\pm 3$  dB; sens 86 dB; imp 4 ohms. Rosewood, black ash, or light-cherry vinyl finish. 6 1/4 x 11 1/2 x 9 1/2 in; 15 lb . . . \$899/pr  
**MasterStands.** For Audience 50, Audience 40, Audience LR120+, and Contour 1.3 mkII . . . \$399/pr  
**TrophyStands.** For Audience 50 and 40 . . . \$299/pr

#### Audience C120+ 2-Way Center-Channel Speaker

Bass-reflex design with two 5 1/2-in woofers and one 1 1/4-in soft-dome tweeter in D'Appolito array. Thermal protection; magnetic shielding. Includes port plugs. Power handling 200 W rms. Rosewood, black ash, or light-cherry vinyl finish. 22 1/2 x 6 1/2 x 12 1/2 in . . . \$749

#### Audience 40 2-Way Bookshelf Speaker

Bass-reflex design with 5 1/4-in woofer and 1 1/4-in soft-dome tweeter. Thermal protection; magnetic shielding. Includes port plugs. Power handling 150 W rms. Rosewood, black ash, or light-cherry vinyl finish. 6 1/4 x 11 1/2 x 9 1/2 in . . . \$699/pr

## ECHOLON

### Model 2.0-R 3-Way Speaker

Tuned-port design with 8 1/2-in cast-frame mineral-filled woofer, 2-in aluminum-titanium-alloy dome midrange, and 1-in aluminum-dome tweeter. 5-way metal binding posts. Power handling 11 W mfn, 200 W max; crossover point selectable at 1.4 kHz and 7 kHz; FR 39 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 11 ohms. Black cloth with rosewood top and base. 11 x 47 x 15 in; 77 lb . . . \$3,495/pr  
**Model 2.0.** As above with lacquered oak top and veneered base . . . \$2,495/pr

### Model 0.5-R 3-Way Bookshelf Speaker

Tuned-port design with 6 1/2-in long-throw triayer-

# Speakers

polypropylene-composite woofer with Faraday ring; 1-in aluminum-dome tweeter and 3/8-in top-firing supertweeter. 5-way binding posts. Power handling 35 W min, 150 W max; crossover point selectable at 2.8 and 10 kHz; FR 45 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. Black cloth with rosewood top and base. 9 1/2 x 18 x 14 in; 45 lb . . . . \$1,695/pr  
**Model 0.5.** As above with lacquered oak top and veneered base . . . . . \$1,295/pr

## EFA

### Model 3 3-Way Speaker

Bass-reflex design with 10-in woofer, 7-in midrange, and 1/2-in textile-dome tweeter. Biampable terminals. Includes spiked feet. Power handling 200 W; FR 30 Hz-30 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. Black. 5-yr warranty. 11 1/2 x 42 x 14 in; 68 lb . . . . . \$3,995/pr

## EGGLESTONWORKS

*The following use a quasi-transmission-line design, have an MDF cabinet with Swedac adhesive, and are single wired. They are finished in gloss black with black Italian granite side panels and carry a 6-year warranty.*

### Ivy 3-Way Speaker

Nine 12-in woofers, twelve 6-in midranges, and one 1-in soft-dome tweeter. Pressure-driven driver configuration. Includes spikes. Power handling 2000 W; FR 14 Hz-20 kHz  $\pm 3$  dB; sens 92 dB; imp 6 ohms. 18 x 73 x 36 in; 850 lb . . . . . \$97,000/pr

### Andra 3-Way Speaker

Two 12-in woofers, two 6-in midranges, and one 1-in soft-dome tweeter. Sloped baffle. Includes spikes. Power handling 1200 W; crossover points 100 Hz and 3 kHz; FR 18 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 7 ohms. 15 x 37 1/2 x 18 in; 210 lb . . . . . \$14,900/pr  
**Rosa.** As above, two 6-in woofers. FR 31 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 7 ohms. 10 x 37 1/2 x 18 in . . . . . \$9,900/pr

### Fontaine 2-Way Speaker

Two 6-in woofers and one 1-in soft-dome tweeter. Sloped baffle. Power handling 1000 W; FR 55 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. 9 1/2 x 20 1/2 x 15 1/2 in; 70 lb . . . . . \$4,900/pr  
**Stands** . . . . . \$500/pr  
**Andra Center.** As above, 15 x 15 1/2 x 18 in . . . \$3,900  
**Isabel.** As above, 6-in woofer. FR 75 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. 6-yr warranty. 9 1/2 x 14 x 12 in; 55 lb . . . . . \$2,900/pr  
**Stands** . . . . . \$500/pr

## EMERSON BY JASCO

### HS5416 Home Theater System

6-speaker system with subwoofer with two 5 1/4-in paper drivers; two satellite speakers, each with

3 1/4-in paper woofers; center-channel speaker with two 4-in drivers; two rear speakers, each with two 4 inch drivers. Power handling 50 W center and rear, 100 W sub and sat. Black woodgrain finish . . . . . \$260

### HS5402 Subwoofer/Satellite System

3-speaker system with bass-reflex subwoofer with two 5 1/4-in paper drivers; two rotating satellites, each with 3 1/4-in paper woofer and 1 1/4-in dome tweeter. Magnetic shielding. Power handling 100 W sub, 40 W sat; FR 36 Hz-200 Hz sub, 40 Hz-20 kHz sat; imp 4 ohms sub, 8 ohms sat. Subwoofer: 17 x 12 x 6 in. Satellite: 4 1/2 x 8 1/2 x 4 1/4 in . . . . . \$200

### HS5410 2-Way Powered Speaker

4-in woofer and 2-in tweeter; amp rated at 14 W rms. Magnetic shielding. Includes volume control and installation accessories. FR 60 Hz-15 kHz. Black woodgrain finish . . . . . \$140/pr

### HS5412 Home Theater System

3-piece system with center-channel speaker with two 4-in drivers; two surround speakers, each with two 4-in drivers. Power handling 50 W max. Black woodgrain finish. Center-channel: 4 3/4 x 12 x 6 1/2 in. Surround: 6 1/2 x 5 1/4 x 4 1/4 in . . . . . \$72

### Model 559 3-Way Outdoor Speaker

Acoustic-suspension design with 3-in mica-cone woofer, 2-in Mylar midrange, and 1-in plezodome tweeter. Includes mounting brackets. Power handling 50 W max; imp 8 ohms. Black woodgrain finish . . . . . \$70/pr

### HS5407 3-Way Outdoor Speaker

4-in polypropylene woofer, 2-in midrange, and 1-in dome tweeter. Water-resistant design. Power handling 40 W; FR 80 Hz-15 kHz; sens 100 dB; imp 6 ohms. White or black . . . . . \$60/pr

## EMINENT TECHNOLOGY

### LFT-VI Planar Speaker

410-square-in Linear Field Transducer soft-foil/Mylar diaphragm. Diaphragm designed to remain within constant magnetic-flux field over entire displacement range; push-pull operation. Biampable terminals. Power handling 250 W max; FR 38 Hz-20 kHz  $\pm 4$  dB; sens 83 dB; imp 6 ohms. 18 x 78 x 2 in; 75 lb . . . . . \$3,250/pr

### LFT-VIII 3-Way Hybrid Planar-Magnetic Speaker

8-in woofer, 164-square-in foil/Mylar midrange diaphragm, and tweeter diaphragm. Mid- and high-frequency diaphragms suspended in constant magnetic field; steel frame. Biampable terminals. Power handling 200 W max; crossover points 180 Hz and 10 kHz; FR 31 Hz-20 kHz; sens 84 dB; imp 8 ohms. Oak finish . . . . . \$1,699/pr

### LFT-12 Planar-Magnetic Center-Channel Speaker

35-square-in planar-magnetic driver. Magnetic shielding. Power handling 100 W; FR 100 Hz-20 kHz; sens 86 dB; imp 8 ohms. Oak. 3-yr warranty. 26 x 10 1/2 x 5 1/2 in . . . . . \$899

### LFT-11 Subwoofer/Satellite System

3-piece computer-speaker system featuring subwoofer with two 6 1/2-in drivers and two satellites, each with 35-square-in planar-magnetic driver. Magnetic shielding. Power handling 50 W; crossover point 200 kHz; FR 35 Hz-20 kHz system; sens 86 dB; imp 8 ohms. Oak. 3-yr warranty. Subwoofer: 8 x 15 x 11 in. Satellite: 6 x 10 x 1 in . . . . \$499  
 15 W/ch rms amp for above . . . . . \$100

## ENERGY

### ES-18XL Powered Subwoofer

18-in woofer; amp rated at 400 W. Protection circuitry. Line-level input. FR 16-100 Hz. Gloss black finish . . . . . \$1,700

**ES-12XL.** As above, 12-in driver. Amp rated at 150 W. FR 18-100 Hz . . . . . \$800

### Baby Boomer 10.2 Powered Subwoofer

Vented design with one active and one passive 10-in driver; 1,500-W amp. Black. 12 x 12 x 12 in . . . \$1,500

### E:XL28p 3-Way Powered Speaker

Vented design with 8-in woofer, two 6 1/2-in mica-cone injection-molded polypropylene midranges, and 3/4-in aluminum-dome cloth-suspension tweeter; 100-W amp. Magnetic shielding. Biampable 5-way gold-plated terminals. Volume and EQ control. Crossover points 90 Hz and 2.2 kHz; FR 25 Hz-20 kHz; sens 94 dB; imp 8 ohms. Black ash, rosewood, and Northern light-birch finish. 5-yr warranty. 7 x 40 x 13 in; 35 lb . . . . . \$1,200/pr

### Baby Boomer 12.1 Powered Subwoofer

Vented design with 12-in driver; 1,000-W amp. Black. 16 x 16 x 16 in . . . . . \$1,000

### Take 5/ES-8 Home Theater System

6-speaker system with 8-in powered subwoofer with 100-W amp; 1 center and 4 satellite speakers, each with 3 1/2-in long-throw woofer with carbon-graphite injection-molded cone and 3/4-in multilaminate tweeter mounted on proprietary baffle in sealed enclosure. Soft-clipping circuitry. Line- and speaker-level inputs. A/V EQ adjustment on subwoofer; adjustable low-pass filter. Power handling 100 W max satellite/center; FR 29-100 Hz subwoofer, 125 Hz-20 kHz satellite, 100 Hz-20 kHz center; sens 88 dB; imp 8 ohms. High-gloss black finish. Satellite: 4 x 7 x 5 in. Center: 11 x 4 x 5 in. Subwoofer: 10 x 16 x 11 in . . . . . \$800  
 As above without subwoofer . . . . . \$500

### E:XL26 2-Way Speaker

Vented design with two 6 1/2-in mica-cone injection-molded polypropylene woofers with copolymer baskets and 3/4-in aluminum-dome cloth-suspension tweeter. Magnetic shielding. Biampable 5-way gold-plated terminals. Power handling 150 W; crossover point 2.2 kHz; FR 37 Hz-20 kHz; sens 94 dB; imp 8 ohms. Black ash, rosewood, and Northern light-birch finish. 5-yr warranty. 7 x 36 x 13 in . . . . . \$750/pr

**E:XL25.** As above, two 5 1/2-in mica-cone injection-molded polypropylene woofers with copolymer baskets. FR 42 Hz-20 kHz; sens 93 dB; imp 8 ohms. 7 x 33 x 12 in; 30 lb . . . . . \$550/pr

### ES-12 MKII Powered Subwoofer

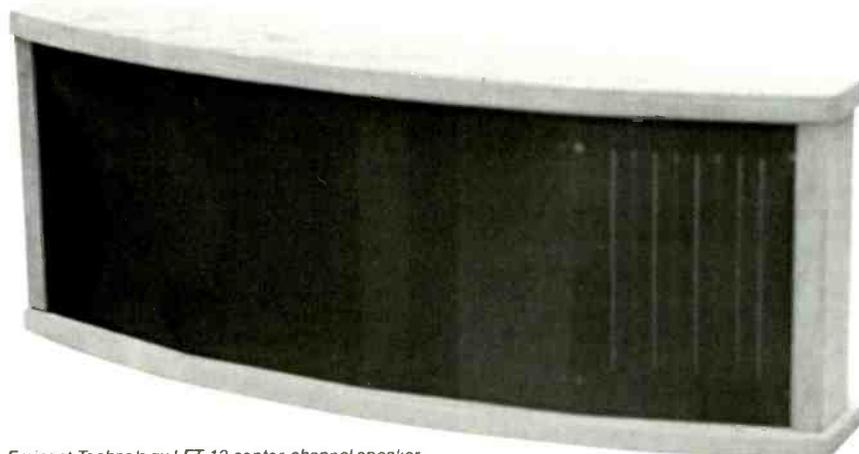
12-in woofer; amp rated at 150 W. Protection circuitry. Adjustable low-pass filter; variable phase control; A/V EQ variable. High-gloss black finish . . . \$600

**ES-10 MKII.** As above, 10-in driver; 100-W amp. Magnetic shielding . . . . . \$400

**ES-8 MKII.** As above, 8-in driver . . . . . \$300

### RVSS 2-Way Bipolar/Dipolar Surround Speaker

Switchable bipolar/dipolar dual-vent design with two 5 1/4-in molded-polypropylene woofers and



Eminent Technology LFT-12 center-channel speaker

# Speakers

two 3/4-in ferrofluid-cooled soft-dome tweeters. Bipolar radiation pattern from 60-400 Hz; dipolar radiation pattern from 400 Hz-20 kHz. Power handling 125 W; FR 65 Hz-18 kHz  $\pm 3$  dB; sens 86 dB; imp 6 ohms. Black or white. 11 x 10 x 9 in; 30 lb .....\$550/pr

## AC-300 2-Way Center-Channel Speaker

Bass-reflex design with two 5/8-in injection-molded polypropylene woofers with butyl surrounds, one 5/8-in injection-molded polypropylene-cone midrange and one 1-in ferrofluid-cooled multilaminate-dome tweeter. Magnetic shielding. Gold-plated blampable terminals. Power handling 175 W max; crossover points 300 Hz and 1.8 kHz; FR 47 Hz-22 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. Gloss black finish. 7 x 19 x 12 in .....\$500

## EFX 2-Way Surround Speaker

Acoustic-suspension design with two 5/4-in woofer and two 2 3/4-in tweeters in dipole configuration. Power handling 100 W; FR 120 Hz-15 kHz; sens 86 dB; imp 6 ohms. Black or white finish. 10 x 10 x 16 in; 14 lb .....\$400/pr

## E:XL-R 2-Way Dipolar Surround Speaker

Vented design with 5/8-in mica-cone injection-molded polypropylene woofer with copolymer baskets and 3/4-in aluminum-dome cloth-suspension tweeter. Magnetic shielding. 5-way gold-plated terminals. Power handling 100 W; crossover point 2.2 kHz; FR 80 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black ash or white finish. 5-yr warranty. 6 x 10 x 6 in; 8 lb .....\$350/pr

## E:XL16 2-Way Bookshelf Speaker

Vented design with 6 1/2-in mica-cone injection-molded polypropylene woofer with copolymer baskets and 3/4-in aluminum-dome cloth-suspension tweeter. Magnetic shielding. 5-way gold-plated terminals. Power handling 110 W; crossover point 2.2 kHz; FR 50 Hz-20 kHz; sens 91 dB; imp 8 ohms. Black ash, rosewood, and Northern light birch finish. 5-yr warranty. 7 x 12 x 11 in; 11 lb .....\$300/pr

## E:XL15 2-Way Bookshelf Speaker

Vented design with 5 1/2-in mica-cone injection-molded polypropylene woofer with copolymer baskets and 3/4-in hyper-dome cloth-suspension tweeter. Magnetic shielding. 5-way gold-plated terminals. Power handling 100 W; crossover point 2.5 kHz; FR 60 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black ash or white finish. 5-yr warranty. 6 x 10 x 9 in; 11 lb .....\$300/pr

## EC-200 2-Way Center-Channel Speaker

Bass-reflex design with two 5/8-in injection-molded woofers and one 1-in fluid-cooled multilaminate-dome tweeter. Magnetic shielding. Power handling 150 W; FR 47 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black. 7 x 22 x 12 in; 23 lb .....\$300

## Tempest 2-Way Outdoor Speaker

Acoustic-suspension design with 5/8-in injection-molded polypropylene woofer and 1-in ferrofluid-cooled flared-dome tweeter. Water-resistant injection-molded enclosure. Power handling 125 W; crossover point 2.2 kHz; FR 55 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. Black or white finish. 12 x 9 x 6 in .....\$300/pr

## E:XL-C 2-Way Center-Channel Speaker

Vented design with two 4 1/2-in mica-cone injection-molded polypropylene woofer with copolymer baskets and 3/4-in aluminum-dome cloth-suspension tweeter. Magnetic shielding. 5-way gold-plated terminals. Power handling 100 W; crossover point 2.2 kHz; FR 60 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black ash. 5-yr warranty. 17 x 5 x 9 in; 14 lb .....\$200

## EC-100 2-Way Center-Channel Speaker

Bass-reflex design with two 4 1/2-in woofers and one 3/4-in ferrofluid-cooled soft-dome tweeter. Magnetic shielding. Power handling 100 W; FR 60

Hz-20 kHz; sens 86 dB; imp 8 ohms. Black. 6 x 19 x 9 in; 17 lb .....\$200

## Take 2 2-Way Front/Surround Speaker

Acoustic-suspension design with 3 1/2-in injection-molded polypropylene woofer and 3/4-in ferrofluid-cooled multilaminate tweeter. Injection-molded enclosure; magnetic shielding. 5-way binding posts. Power handling 100 W max; crossover point 2.8 kHz; FR 125 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. Gloss black finish. 7 x 4 x 5 in .....\$180/pr

**Take 1 2-Way Center-Channel Speaker.** As above, FR 100 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. 4 x 11 x 5 in .....\$150

## Veritas Series

### Veritas v2.8 3-Way Speaker

Bass-reflex design with two injection-molded aluminum/polypropylene composite 8-in woofers with butyl-rubber surrounds, one 3-in metal-dome midrange, and one 1-in metal-dome tweeter with cotton suspension. Gold-plated biampable terminals. Adjustable spiked feet. Power handling 500 W max; crossover points 400 Hz and 2.5 kHz; FR 24 Hz-33 kHz; sens 86.5 dB; imp 6 ohms. Gloss black finish. 12 x 50 x 18 in; 100 lb .....\$6,000/pr

**Veritas v1.8.** As above, two 6 1/2-in woofers. Power handling 300 W max; FR 32 Hz-33 kHz; sens 87 dB; imp 6 ohms. Gloss-black and rosewood finish. 12 x 45 x 18 in; 80 lb .....\$4,000/pr

## Energy Audissey Bipolar Series

### Audissey APS5+2 3-Way Bipolar Speaker

Bass-reflex design with built-in side-firing subwoofer with two 8-in woofers and 150-W amp; 2 front-mounted and 1 rear-mounted 5 1/2-in carbon/mica-polypropylene woofers with molded surround; two 1-in aluminum-dome cloth-suspension ferrofluid-cooled tweeters. Subwoofer amp rated at 150 W. Blampable line- and speaker-level inputs. Variable room EQ/bass contour control. Power handling 300 W; FR 18 Hz-25 kHz  $\pm 3$  dB; sens 93 dB; imp 6 ohms. High-gloss black. 9 x 46 x 16 in; 98 lb .....\$2,500/pr

**Audissey A3+2.** As above without subwoofer. Power handling 225 W; FR 30 Hz-25 kHz  $\pm 3$  dB; sens 91 dB; imp 6 ohms. 8 x 41 x 13 in; 55 lb .....\$1,200/pr

**Audissey A2+2.** As above with only two 5 1/2-in woofers mounted front and back. Power handling 175 W; FR 35 Hz-25 kHz  $\pm 3$  dB; sens 90 dB; imp 6 ohms. 8 x 36 x 11 in; 46 lb .....\$900/pr

## Connoisseur Series

### C-8 2-Way Speaker

Bass-reflex design with two 8-in injection-molded aluminum/polypropylene woofers and one 1-in aluminum tweeter. Spherex baffle. Gold-plated biampable terminals. Adjustable spiked feet. Power handling 300 W; FR 28 Hz-25 kHz; sens 90 dB; imp 8 ohms. Gloss black or gloss rosewood finish. 39 x 10 x 16 in; 64 lb .....\$1,500/pr

**C-6.** As above, 6 1/2-in woofers. Power handling 175 W; FR 30 Hz-25 kHz; sens 89 dB. 33 x 10 x 16 in; 55 lb .....\$1,200/pr

**C-4.** As above, single 8-in woofer. Power handling 175 W; FR 35 Hz-25 kHz; sens 88 dB. 33 x 10 x 12 in; 43 lb .....\$900/pr

**C-2.** As above, bookshelf version with single 6 1/2-in woofer. Power handling 130 W; FR 40 Hz-25 kHz; sens 88 dB. 18 x 10 x 10 in; 38 lb .....\$600/pr

## Architectural Series

### EAS-6.5 2-Way In-Wall Speaker

6 1/2-in polypropylene woofer and 1-in titanium dome tweeter. Includes mounting kit. Power handling 100 W; FR 45 Hz-22 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. White. Rectangular frame. Mounting area: 9 x 13 in. Mounting depth 3 in .....\$400/pr

### EAS-5.25R 2-Way In-Wall Speaker

5 1/4-in polypropylene woofer and 1/2-in polycarbonate tweeter. Includes mounting kit. Power handling 80 W; FR 60 Hz-20 kHz  $\pm 3$  dB; sens 86 dB; imp 8 ohms. White. Round frame. Mounting diameter: 8 in. Mounting depth 3 in .....\$250/pr

## ENTEC

### LF-20 Powered Subwoofer

Two 10-in woofers; 100-W amp. External crossover selectable at 60, 100, or 180 Hz. FR 18-180 Hz. 125 lb .....\$5,995/pr

### Model 90 2-Way Speaker

6-in midrange and 1-in tweeter. Power handling 120 W; FR 90 Hz-20 kHz. 8 x 8 x 41 in; 55 lb .....\$4,150/pr

### Model 1002 Powered Subwoofer

Two 10-in woofers; 100-W amp. Crossover point 60 Hz, 100 Hz, or 180 Hz; FR 18-180 Hz. High-gloss black finish. 60 lb .....\$2,395

### Model 1001 Powered Subwoofer

10-in woofer; 100-W amp. Crossover point 60 Hz, 100 Hz, or 180 Hz; FR 20-180 Hz. High-gloss black finish. 50 lb .....\$1,895

## EOSONE INTERNATIONAL

### RSS705 Home Theater System

6-speaker system with powered subwoofer with 10-in driver and 95-W amp; 5 magnetically shielded satellites, each with 4-in midrange and two dipole-configured 1/2-in dome tweeters. Includes satellite mounting brackets. Power handling 100 W rms; FR 32 Hz-22 kHz system; sens 86 dB; imp 8 ohms. Black or white finish. Satellite: 4 1/2 x 7 x 5 1/2 in. Subwoofer: 17 x 13 x 15 1/2 in; 61 lb .....\$1,295

### RSF1000 4-Way Dipolar Speaker/Powered Subwoofer

Built-in 225-W powered subwoofer section with two 10-in woofers; speaker section with two 6 1/2-in woofers, one 4-in midrange, and two dipole-configured 3/4-in titanium-dome tweeters. FR 26 Hz-22 kHz; sens 89 dB; imp 8 ohms. High-gloss black finish. 12 1/2 x 49 x 18 1/2 in; 115 lb .....\$1,250

### RSS702 Powered Subwoofer/Satellite System

3-speaker system with powered subwoofer with 10-in driver and 95-W amp; 2 magnetically shielded dipolar satellites, each with 4-in midrange and two dipole-configured 1/2-in dome tweeters. Power handling 100 W. Includes mounting bracket for satellites. FR 32 Hz-22 kHz system; sens 86 dB; imp 8 ohms. Black. Satellite: 4 1/2 x 7 x 5 1/2 in. Subwoofer: 17 x 13 x 15 1/2 in; 50 lb .....\$895

### RSP912 Powered Subwoofer

Bass-reflex design with 12-in woofer; 215-W amp. Line- and speaker-level inputs; speaker-level outputs Auto on/off. Crossover frequency variable from 50-100 Hz; FR 28-150 Hz. Black finish. 17 x 19 x 15 1/2 in; 60 lb .....\$850

### RSF600 3-Way Dipolar Speaker

Dipolar design with two 8-in woofers, two 4-in midranges, one 3/4-in titanium-dome tweeter in front, and one 1/2-in dome tweeter in rear. Power handling 175 W rms; FR 35 Hz-22 kHz; sens 88 dB; imp 8 ohms. High-gloss black finish. 11 x 43 x 15 in; 67 lb .....\$600

### RSR350 2-Way Surround Speaker

Acoustic-suspension design with one 6 1/2-in woofer and two dipole-configured 3/4-in titanium dome tweeters. Includes mounting bracket. Power handling 125 W rms; sens 88 dB; imp 8 ohms. Black finish. 15 x 12 x 5 1/2 in; 34 lb .....\$500/pr

### RSF400 3-Way Dipolar Speaker

Dipolar design with 8-in woofers, 4-in midrange, 3/4-in titanium-dome tweeter in front, and 1/2-in dome tweeter in rear. Power handling 125 W rms; FR 38 Hz-22 kHz; sens 86 dB; imp 8 ohms. High-gloss black finish. 11 x 41 x 15 in; 63 lb .....\$475

### RSC300 2-Way Dipolar Center-Channel Speaker

Dipolar design with two 5 1/4-in woofers, one 3/4-in titanium dome tweeter in front, and one 1/2-in dome tweeter in rear. Power handling 125 W rms; FR 90 Hz-22 kHz; sens 88 dB; imp 8 ohms. Black finish. 17 x 7 x 8 in .....\$325

# Speakers

## RSF200 2-Way Dipolar Bookshelf Speaker

Dipolar bass-reflex design with 8-in woofer, 3/4-in titanium-dome tweeter, and 1/2-in polymer-dome tweeter. Power handling 100 W; FR 48 Hz-22 kHz; sens 87 dB; imp 8 ohms. Black finish. 5-yr warranty. 8 1/2 x 18 1/2 x 11 1/4 in; 21 lb .....\$300

## EPOS

### ES30 3-Way Speaker

8-in woofer, 6-in polymer midrange, and 1-in aluminum-dome tweeter. Rigid cabinet construction. Triampable banana sockets. Power handling 300 W; FR 25 Hz-22 kHz; sens 88 dB; imp 6 ohms. Light- or dark-cherry wood veneer. 35 1/2 x 9 1/4 x 13 1/2 in .....\$3,995/pr

### ES22 3-Way Speaker

6-in polymer woofer, 6-in polymer midrange, and 1-in aluminum-dome tweeter. Die-cast-aluminum woofer and midrange chassis; internal cabinet bracing. Gold-plated triampable terminals. Power handling 175 W; FR 38 Hz-22 kHz; sens 87 dB; imp 6 ohms. Light- or dark-cherry wood veneer. 34 1/2 x 10 x 9 1/2 in .....\$2,495/pr

### ES15 2-Way Speaker

Acoustic-suspension design with 6-in polypropylene-cone woofer and 1-in aluminum-dome tweeter. No crossover. Two sets of banana jacks. Power handling 75 W; FR 40 Hz-20 kHz; sens 88 dB; imp 8 ohms. Dark or light cherry. 31 x 8 x 9 1/4 in .....\$1,895/pr  
**ES12** As above, bookshelf version. FR 60 Hz-20 kHz; sens 88 dB; impedance 8 ohms. 14 1/2 x 8 x 9 1/4 in .....\$1,095/pr

## ESS

### Model 811 2-Way Speaker

6 1/2-in polypropylene woofer and Heil Air-Motion transformer. Power handling 100 W max; crossover point 2 kHz; FR 45 Hz-23 kHz ±3 dB; sens 89 dB; imp 6 ohms. Piano-black, walnut, or oak finish. 18 x 9 1/2 x 9 1/2 in; 27 lb .....\$358/pr

### Model 620 2-Way Speaker

5 1/4-in cast-frame fiber woofer, 5-in rear-firing bass radiator, and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 50 W max; crossover point 1.2 kHz; FR 65 Hz-20 kHz ±3 dB; sens 86.5 dB; imp 6 ohms. Walnut finish. 12 x 7 x 7 1/2 in; 10 lb .....\$158/pr

## AMT Series

### AMT Monitor 2-Way Speaker

12-in polypropylene woofer, 12-in bass radiator, and 2 1/2-in Heil Air-Motion Transformer mid/high-frequency drive unit. Power handling 400 W; crossover point 800 Hz; FR 30 Hz-23 kHz ±3 dB; sens 93 dB; imp 6 ohms. Black walnut veneer. 39 1/4 x 15 1/4 x 15 1/4 in; 110 lb .....\$1,298/pr

### AMT 1D 2-Way Speaker

Pyramid-shaped cabinet with 12-in polypropylene woofer, 12-in bass radiator, and 2 1/2-in Heil Air-Motion Transformer mid/high-frequency drive unit. Power handling 400 W; crossover point 800 Hz; FR 35 Hz-23 kHz ±3 dB; sens 91 dB; imp 6 ohms. Black walnut or oiled walnut veneer. 36 1/2 x 16 1/4 x 16 1/4 in; 88 lb .....\$1,098/pr

## Heil Series

### Heil 10H 3-Way Speaker

10-in side-firing fiber-cone woofer, 6-in polypropylene midrange, and Heil Air-Motion Transformer horn tweeter. Power handling 300 W max; crossover point 1000 Hz; FR 30 Hz-23 kHz ±3 dB; sens 92 dB; imp 6 ohms. Piano-black or walnut finish. 38 1/2 x 17 1/2 x 10 1/2 in; 95 lb .....\$900/pr

### Heil 8H 2-Way Speaker

8-in polypropylene woofer and Heil Air-Motion Transformer horn tweeter. Power handling 250 W max; crossover point 800 Hz; FR 35 Hz-23 kHz ±3 dB; sens 92 dB; imp 6 ohms. Piano-black or walnut finish .....\$549/pr

## Heil 8 2-Way Speaker

8-in polypropylene woofer and Heil Air-Motion Transformer tweeter. Power handling 250 W max; crossover point 2 kHz; FR 42 Hz-23 kHz ±3 dB; sens 92 dB; imp 6 ohms. Piano-black and walnut finish. 32 x 13 1/2 x 10 1/2 in; 60 lb .....\$499/pr

## GERSHMAN ACOUSTICS

### GAP 520-X 3-Way Speaker

10-in fiberglass woofer, 5 1/4-in carbon-fiber midrange, and 1-in silk-dome tweeter both on time-aligned, angled enclosure top. Double-walled, low-resonance chamber. Power handling 250 W max; FR 22 Hz-24 kHz; sens 88 dB; imp 8 ohms. Piano finish. 56-in height; 125 lb .....\$9,495/pr

### Avantgarde RX-20 3-Way Speaker

8-in long-throw fiberglass woofer, 5 1/4 carbon-fiber midrange, and 1-in dual chambered fabric-dome tweeter. 1-in-thick high-density board construction with internal bracing; angled enclosure top for time alignment; antidiffraction felt on front baffle between tweeter and midrange. Power handling 200 W max; FR 24 Hz-24 kHz; sens 87 dB; imp 8 ohms. Black lacquer finish. 36-in height; 75 lb .....\$4,295/pr

### Enigma 500-X 2-Way Speaker

8-in treated-paper woofer and 1-in fluid-cooled dual-chamber tweeter. High-density fiberboard construction; pyramidal shape. Power handling 200 W max; FR 30 Hz-24 kHz; sens 87 dB; imp 8 ohms. 36-in height; 70 lb .....\$3,295/pr

### Specter 2-Way Satellite Speaker

Omnidirectional design with 8-in fiberglass-cone woofer. Power handling 200 W max; FR 28 Hz-24 kHz; sens 87 dB; imp 8 ohms. 36-in height; 55 lb .....\$1,995/pr

### X-1 2-Way Bookshelf Speaker

6-in woofer and 1-in soft-fabric dome tweeter. 1-in board construction. Power handling 150 W max; FR 35 Hz-24 kHz; sens 90 dB; imp 8 ohms. 16-in height; 25 lb .....\$1,500/pr

## GERTNER AUDIO

*The following carry a 6-year parts-and-labor warranty. Standard finishes are hand-rubbed and oiled cherry or rosewood veneer.*

### Celtech3096E 3-Way Speaker

Angled-port design with 12-in woofer, 10-in woofer, and ferrofluid-cooled dome tweeter. Antiresonance tweeter mounting. Gold-plated solid-brass biampable binding posts. Power handling 300 W cont; FR 24 Hz-20 kHz; sens 96 dB; imp 8 ohms. 17 1/2 x 49 1/2 x 16 in; 130 lb .....\$4,800/pr

### Celtech1596 2-Way Speaker

Angled-port design. 10-in woofer and ferrofluid-cooled dome tweeter. Antiresonance tweeter mounting. Gold-plated solid-brass binding posts. Power handling 150 W cont; FR 30 Hz-20 kHz; sens 96 dB; imp 8 ohms. 14 1/2 x 32 x 14 in; 62 lb .....\$2,150/pr

### Celtech1091 2-Way Speaker

Angled-port design with 8-in woofer and ferrofluid-cooled dome tweeter. Gold-plated binding

posts. Power handling 100 W cont; FR 35 Hz-20 kHz; sens 91 dB; imp 8 ohms. 13 1/4 x 24 x 12 in; 40 lb .....\$1,395/pr

### Celtech RS100 2-Way Dipolar Surround Speaker

Acoustic-suspension design with two 5 1/4-in woofers and two 3/4-in dome tweeters. One pair of gold-plated inputs. Power handling 100 W; crossover point 4500 Hz; FR 65 Hz-20 kHz ±5 dB; sens 90 dB; imp 6 ohms. Cherry finish; black-knit cloth grille. 7 x 12 1/2 x 8 in; 10 lb .....\$525/pr

### Celtech CS100 2-Way Center-Channel Speaker

Acoustic-suspension design with two 5 1/4-in woofers and one 1-in dome tweeter. One pair of gold-plated inputs. Power handling 100 W; crossover point 3200 Hz; FR 58 Hz-20 kHz ±5 dB; sens 88 dB; imp 6 ohms. Cherry finish; black-knit cloth grille. 20 x 7 x 8 in; 14 lb .....\$365

## GOLD SOUND

*The following are available as kits or assembled. Basic kits include speaker components, crossovers, 12-gauge cable, gold double-banana posts, plans, and instructions. Dome tweeters are ferrofluid-cooled. Options include Kimber Cable and assembled black or oak-finished cabinets made of oak hardwood and veneer with black knit grilles. Prices are for fully-assembled speakers except where noted.*

### Model 1494 4-Way Speaker

18-in JBL 2245H cast-frame woofer with 4-in voice coil, 10-in JBL 2123H cast-frame woofer with 3-in voice coil, JBL 2415 titanium diaphragm midrange, and JBL 2404H biradial tweeter. 12-dB/oct crossovers. Midbass, midrange and tweeter controls. Power handling 600 W rms; crossover points 150 Hz, 200 Hz, and 5 kHz; FR 25 Hz-21 kHz ±3 dB; sens 95 dB; imp 8 ohms. Available as kit only. 5-yr warranty. 29 x 46 x 19 in .....\$3,399/pr

### Model 1194 3-Way Speaker

15-in JBL 2235H cast-frame woofer with 4-in voice coil, 8-in JBL 2118H cast-frame midrange, and JBL 2404H biradial horn tweeter. Midrange and tweeter controls. Power handling 300 W rms; crossover points 300 Hz and 5 kHz; FR 28 Hz-21 kHz ±3 dB; sens 93 dB; imp 8 ohms. 5-yr warranty. 18 x 44 x 14 in .....\$3,299/pr  
 Kit .....\$1,899/pr  
 Kit with assembled cabinet .....\$2,699/pr

### Model 1095 3-Way Speaker

15-in JBL 2235H cast-frame woofer with 4-in voice coil, two symmetrical-arrayed 6 1/2-in Dynaudio 17W75 butyl-surround polypropylene-cone midranges with 3-in voice coils, and 1-in linen-dome tweeter with damped rear chamber. Power handling 300 W rms; crossover points 200 Hz and 3 kHz; FR 28 Hz-25 kHz ±3 dB; sens 93 dB; imp 8 ohms. 18 x 44 x 14 in .....\$3,099/pr  
 Kit .....\$1,699/pr  
 Kit with assembled cabinet .....\$2,499/pr

### Model 996 3-Way Speaker

15-in JBL 2235H cast-frame woofer with 4-in voice coil, 8-in JBL 2118H cast-frame midrange, and 1-in JBL titanium-dome tweeter. Power handling 300 W rms; crossover points 300 Hz and 4 kHz; FR 28 Hz-25 kHz ±3 dB; sens 93 dB; imp 8 ohms. 5-yr warranty .....\$2,789/pr  
 Kit .....\$1,389/pr  
 Kit with assembled cabinet .....\$2,189/pr

### Model 794 2-Way Speaker

Symmetrical-array design with two 10-in Gold Sound butyl-surround polypropylene woofers, two 6 1/2-in Dynaudio 17W75 butyl-surround polypropylene-cone midranges with 3-in voice coils, and one 1-in linen-dome tweeter with acoustically damped rear chamber. Power handling 400 W rms; FR 28 Hz-21 kHz ±3 dB; sens 93 dB; imp 4 or 8 ohms. 18 x 44 x 14 in .....\$2,399/pr

**All of the terms and abbreviations used in the listings are explained in the Glossary starting on page 243.**

# Speakers

Kit ..... \$1,399/pr  
 Kit with assembled cabinet ..... \$1,799/pr

## Model 695 3-Way Speaker

Symmetrical-array design with two 12-in Gold Sound butyl-surround polypropylene woofer, two 6½-in Dynaudio 17W75 butyl-surround polypropylene-cone midranges with 3-in voice coils, and one 1-in linen-dome tweeter with damped rear chamber. Power handling 200 W rms; crossover points 90 Hz and 3 kHz; FR 32 Hz-20 kHz ±3 dB; sens 90 dB; imp 4 or 8 ohms. 14 x 37 x 11 in ..... \$2,199/pr  
 Kit ..... \$1,199/pr  
 Kit with assembled cabinet ..... \$1,599/pr

## Model 9 3-Way Speaker

15-in JBL 2235H cast-frame woofer with 4-in voice coil, 6½-in midrange, and 1-in linen-dome tweeter with acoustically damped rear chamber. Power handling 300 W rms; crossover points 300 Hz and 4 kHz; FR 35 Hz-25 kHz ±3 dB; sens 93 dB; imp 8 ohms. 16 x 28 x 17 in ..... \$2,099/pr  
 Kit ..... \$1,499/pr  
 Kit with assembled cabinet ..... \$2,099/pr

## Dynaudio C 2-Way

### Bookshelf/Center-Channel Speaker

Symmetrical-array design with two 6½-in Dynaudio 17W75 butyl-surround polypropylene-cone woofers with 3-in voice coils and one 1-in linen-dome tweeter with acoustically-damped rear chamber. Magnetic shielding optional. Power handling 300 W rms; crossover point 3 kHz; FR 54 Hz-20 kHz ±3 dB; sens 92 dB; imp 4 or 8 ohms. 10 x 12 x 22 in ..... \$1,799/pr  
 Kit ..... \$999/pr  
 Kit with assembled cabinet ..... \$1,499/pr

## Model 594 3-Way Speaker

Symmetrical-array design with one 12-in Gold Sound butyl-surround polypropylene woofer, two 6½-in Seas butyl-surround polypropylene-cone midranges, and one 1-in aluminum-dome tweeter with acoustically damped rear chamber. Power handling 200 W rms; crossover points 90 Hz and 3 kHz; FR 32 Hz-20 kHz ±3 dB; sens 90 dB; imp 4 or 8 ohms. 14 x 37 x 11 in ..... \$1,799/pr  
 Kit ..... \$699/pr  
 Kit with assembled cabinet ..... \$1,199/pr

## Model 494 3-Way Speaker

One 10-in Gold Sound butyl-surround polypropylene woofer, two 4½-in Seas butyl-surround polypropylene-cone midranges, and one 1-in aluminum-dome tweeter with acoustically damped rear chamber. Power handling 150 W rms; crossover points 120 Hz and 3 kHz; FR 25 Hz-20 kHz ±3 dB; sens 90 dB; imp 4 or 8 ohms. 14 x 25 x 11 in ..... \$1,449/pr  
 Kit ..... \$649/pr  
 Kit with assembled cabinet ..... \$949/pr

## Model 394 3-Way Speaker

12-in Gold Sound polypropylene-cone woofer, 5-in midrange, and 1-in linen-dome tweeter. Power handling 200 W rms; FR 36 Hz-20 kHz ±3 dB; sens 90 dB; imp 4 or 8 ohms. 14 x 25 x 11 in ..... \$1,299/pr  
 Kit ..... \$549/pr  
 Kit with assembled cabinet ..... \$849/pr

## Dynaudio B 2-Way Bookshelf Speaker

6½-in butyl-surround polypropylene-cone woofer with 3-in voice coil and 1-in linen-dome tweeter with acoustically-damped rear chamber. Magnetic shielding optional. Power handling 150 W rms; crossover point 3 kHz; FR 58 Hz-20 kHz ±3 dB; sens 89 dB; imp 4 or 8 ohms. 8 x 16 x 10 in ..... \$1,139/pr  
 Kit ..... \$699/pr  
 Kit with assembled cabinet ..... \$999/pr

## Model 294 3-Way Speaker

8-in Gold Sound polypropylene-cone woofer, 4-in midrange, and 1-in linen-dome tweeter. Power handling 100 W rms; FR 37 Hz-20 kHz ±3 dB; sens 90 dB; imp 4 or 8 ohms. 12 x 9 x 10 in ..... \$1,099/pr  
 Kit ..... \$449/pr  
 Kit with assembled cabinet ..... \$649/pr

## Dynaudio A 2-Way

### Bookshelf/Center-Channel Speaker

5-in Dynaudio 15W75 butyl-surround polypropylene-cone woofer with 3-in voice coil and 1-in linen-dome tweeter with acoustically-damped rear chamber. Magnetic shielding optional. Power handling 150 W rms; crossover point 3 kHz; FR 67 Hz-20 kHz ±3 dB; sens 89 dB; imp 4 or 8 ohms. 8 x 12 x 7 in ..... \$899/pr  
 Kit ..... \$529/pr  
 Kit with assembled cabinet ..... \$699/pr

## Model 8 2-Way Bookshelf/Center-Channel Speaker

Symmetrical-array design with two 4½-in butyl-rubber surround polypropylene-cone woofers and one 1-in ferrofluid-cooled linen-dome tweeter. Magnetic shielding optional. Power handling 100 W rms; crossover point 3.5 kHz; FR 61 Hz-20 kHz ±3 dB; sens 89 dB; imp 4 or 8 ohms. 8 x 16 x 7 in ..... \$799/pr  
 Kit ..... \$399/pr  
 Kit with assembled cabinet ..... \$599/pr

## Model 6 2-Way Bookshelf Speaker

6½-in Gold Sound butyl-rubber surround polypropylene-cone woofer and 1-in ferrofluid-cooled linen-dome tweeter. Magnetic shielding. Power handling 60 W rms; crossover point 3.5 kHz; FR 58 Hz-20 kHz ±3 dB; sens 91 dB; imp 4 or 8 ohms. 10 x 16 x 8 in ..... \$499/pr  
 Kit ..... \$179/pr  
 Kit with assembled cabinet ..... \$389/pr

## Model 4 2-Way Minispeaker

4½-in butyl-rubber surround polypropylene-cone woofer and 1-in ferrofluid-cooled linen-dome tweeter. Power handling 60 W rms; crossover point 3 kHz; FR 68 Hz-20 kHz ±3 dB; imp 4 or 8 ohms. 8 x 6 x 5 in ..... \$449/pr  
 Kit ..... \$199/pr  
 Kit with assembled cabinet ..... \$349/pr

## Model 2 2-Way Bookshelf Speaker

5¼-in polypropylene and ¾-in ferrofluid-cooled dome tweeter. Magnetic shielding optional. Power handling 50 W rms; crossover point 3 kHz; FR 68 Hz-20 kHz ±3 dB; sens 91 dB; imp 4 or 8 ohms. 8 x 12 x 7 in ..... \$389/pr  
 Kit ..... \$139/pr  
 Kit with assembled cabinet ..... \$269/pr

## Performance Pro Speaker Kits

*The following are only available as kits and are designed for theaters, clubs, DJs, and live music. All kits include drivers, crossover parts, 12-gauge wire, metal grilles for all cone drivers, overload relays and level controls on midranges and dynamic tweeters, 8 stacking corners, 4 handles, plans, and ¼-in gold-plated double-banana-jack connectors.*

## Model Pro Double JBL 18 4-Way Speaker

Two 18-in JBL 2241 cast-frame woofers with 4-in voice coils, one 10-in JBL 2123 cast-frame woofer with 3-in voice coil, one 8 x 10-in horn with JBL 2416H titanium-diaphragm midrange, and one JBL 2404H 5 x 5-in tweeter. Woofer-, midrange-, and tweeter-level controls. Power handling 1,200 W rms; crossover points 200 Hz, 2 kHz, and 10 kHz; FR 29 Hz-21 kHz ±3 dB; sens 101 dB; imp 4 or 8 ohms. 5-yr warranty ..... \$2,199

## Model Pro Double JBL 15 4-Way Speaker

Two 15-in JBL 2226 cast-frame woofers with 4-in voice coils, two 7-in cast-frame cone midranges, 8 x 10-in constant directivity horn with JBL 2416H titanium-diaphragm midrange, and two 3 x 7-in horn tweeters. Woofer and midrange controls. Power handling 1200 W rms; crossover points 400 Hz, 2 kHz and 10 kHz; FR 38 Hz-21 kHz ±3 dB; sens 100 dB; imp 4 or 8 ohms ..... \$1,549

## Model Pro JBL 15 4-Way Speaker

15-in JBL 2226 cast-frame woofer with 4-in voice coil, 7-in cast-frame cone midrange, 8 x 10-in constant directivity horn with JBL 2416H titanium-dia-

phragm midrange, and 3 x 7-in horn tweeter. Woofer and midrange controls. Power handling 600 W rms; crossover points 400 Hz, 2 kHz and 10 kHz; FR 39 Hz-21 kHz ±3 dB; sens 97 dB; imp 4, 8, or 16 ohms ..... \$979

## Model Pro Double Celestion 15 4-Way Speaker

Two 15-in Celestion woofers, two 7-in cast-frame cone midranges, 8 x 10-in constant directivity horn with JBL 2416H titanium-diaphragm midrange, and two 3 x 7-in horn tweeters. Woofer and midrange controls. Power handling 400 W rms; crossover points 400 Hz, 2 kHz, and 10 kHz; FR 47 Hz-21 kHz ±3 dB; sens 99 dB; imp 4 ohms ..... \$969

## Model JBL M15 3-Way Speaker

15-in JBL 2226 cast-frame woofer with 4-in voice coil, 7-in cast-frame cone midrange, and 3¼-in horn tweeter. Power handling 600 W rms; crossover points 500 Hz and 5 kHz; FR 49 Hz-21 kHz ±3 dB; sens 97 dB; imp 4, 8, or 16 ohms. 30 x 17 x 14 in ..... \$879

## Model Pro Celestion 15 4-Way Speaker

15-in Celestion woofer, 7-in cast-frame cone midrange, 8 x 10-in constant directivity horn with JBL 2416H titanium-diaphragm midrange, and 3 x 7-in horn tweeter. Woofer and midrange control. Power handling 200 W rms; crossover points 400 Hz, 2 kHz and 10 kHz; FR 49 Hz-21 kHz ±3 dB; sens 96 dB; imp 8 ohms. 44 x 18 x 14 in ..... \$649

## Model Celestion M15 3-Way Speaker

15-in Celestion woofer, 7-in cast-frame cone midrange, and 3¼-in horn tweeter. Power handling 200 W rms; crossover points 500 Hz and 5 kHz; FR 54 Hz-21 kHz ±3 dB; sens 96 dB; imp 8 ohms. 30 x 17 x 14 in ..... \$419

## Model Pro Celestion 12 2-Way Speaker

12-in Celestion woofer and 3 x 7-in horn tweeter. Power handling 200 W rms; crossover point 3 kHz; FR 55 Hz-21 kHz ±3 dB; sens 97 dB; imp 8 ohms. Unassembled kit. 20 x 16 x 15 in ..... \$149

## Subwoofers

*Kits include speaker components, two gold double-banana jacks, 12-gauge cable, plans, and instructions. Optional black or oak-finish cabinets. Optional internal 300-W rms subwoofer amp with auto turn-on, line- and speaker-level inputs, and 40-180 Hz crossover for \$449. Optional 120 Hz 12 dB passive crossover kit for \$99/pr.*

## GS-15JBLpro Subwoofer

15-in JBL 2226 cast-frame woofer with 4-in voice coil. Power handling 600 W; FR 30-150 Hz ±3 dB; sens 97 dB; imp 4, 8, or 16 ohms. 5-yr warranty. 44 x 18 x 14 in ..... \$999  
 Kit ..... \$429  
 Kit with assembled cabinet ..... \$929

## GS-15JBL Subwoofer

15-in JBL 2235H cast-frame woofer with 4-in voice coil. Power handling 300 W rms; FR 23-150 Hz ±3 dB; sens 93 dB; imp 8 ohms. 5-yr warranty. 44 x 18 x 14 in ..... \$989  
 Kit ..... \$399  
 Kit with assembled cabinet ..... \$898

## GS-15 Subwoofer

15-in Gold Sound butyl-surround polypropylene woofer with dual voice coils. Power handling 200 W rms; FR 27-150 Hz ±3 dB; sens 93 dB; imp 4 or 8 ohms. 44 x 18 x 14 in ..... \$789  
 Kit ..... \$199  
 Kit with assembled cabinet ..... \$698

## GS-18JBL Model Subwoofer

18-in JBL 2245H cast-frame woofer with 4-in voice coil. Power handling 600 W rms; FR 22-150 Hz ±3 dB; sens 95 dB; imp 8 ohms. Kit version. 5-yr warranty. 29 x 46 x 19 in ..... \$599

## GS-12 Subwoofer

12-in Gold Sound butyl-surround polypropylene

# Speakers

woofer with dual-voice-coil. Power handling 200 W rms; FR 29-150 Hz  $\pm 3$  dB; sens 90 dB; imp 4 or 8 ohms .....\$389  
Kit .....\$149  
Kit with assembled cabinet .....\$299

## AV Series

The following have shielded speaker components, two gold double-banana jacks, 12-gauge cable, plans, and instructions. Speakers are available fully assembled at a higher price. Built black or oak-finished cabinets made with oak hardwoods and veneers are also available.

### Dynaudio Cav 2-Way Speaker

Symmetrical-array design with two 6½-in Dynaudio 17W75 drivers and one 1-in ferrofluid-cooled linen-dome tweeter. Power handling 300 W rms; crossover point 3 kHz; FR 54 Hz-20 kHz  $\pm 3$  dB; sens 92 dB; imp 4 or 8 ohms. 12 x 22 x 10 in. ....\$999/pr

### Model .9av 2-Way Bookshelf/Center-Channel Speaker

Symmetrical-array design with two 6½-in butyl-rubber surround polypropylene-cone woofers and one 1-in ferrofluid-cooled dome tweeter. Magnetic shielding. Power handling 160 W rms; crossover point 3.5 kHz; FR 64 Hz-20 kHz  $\pm 3$  dB; sens 93 dB; imp 4 ohms. 8 x 16 x 7 in. ....\$779/pr

### Dynaudio Bav 2-Way Speaker

6½-in Dynaudio 17W75 driver and 1-in ferrofluid-cooled linen-dome tweeter. Power handling 150 W rms; crossover point 3 kHz; FR 62 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 4 or 8 ohms. 7 x 16 x 10 in. ....\$699/pr

### Dipole 2-Way Dipolar Surround Speaker

Dipolar design with two 5¼-in polypropylene woofers and two ¾-in ferrofluid-cooled polypropylene tweeters. Power handling 100 W rms; crossover point 3.5 kHz; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. 12 x 12 x 5 in. ....\$450/pr

### Model .8av 2-Way Bookshelf Speaker

Symmetrical-array design with two 5¼-in polypropylene woofers and one 1-in ferrofluid-cooled dome tweeter. Power handling 140 W rms; crossover point 3.5 kHz; FR 61 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 4 ohms. 8 x 16 x 7 in. ....\$249/pr

### Model .6av 2-Way Bookshelf Speaker

6½-in polypropylene driver and 1-in ferrofluid-cooled linen-dome tweeter. Power handling 80 W rms; FR 58 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. 10 x 16 x 8 in. ....\$169/pr

### Model .2av 2-Way Bookshelf Speaker

5¼-in woofer and ¾-in ferrofluid-cooled dome tweeter. Power handling 70 W rms; crossover point 3.5 kHz; FR 68 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. 8 x 12 x 7 in. ....\$129/pr

## In-Wall Series

The following are designed for ceiling or in-wall installations. Prices include round or square grilles with cloth or paintable plastic and baffle plates for retrofit or new construction. Except for the subwoofers, all feature European ferrofluid-cooled tweeters and have 12-dB/oct crossovers with air-core coils. All drivers are weatherproof polypropylene. Acoustically matched, internally braced back boxes are available for \$78/pair.

### Model 8NeoCx 2-Way Speaker

Coaxial design with 8-in woofer and 1-in neodymium tweeter. Power handling 150 W rms; crossover point 2 kHz; FR 29 Hz-20 kHz  $\pm 3$  dB; sens 92 dB; imp 4 or 8 ohms. 11-in round or square grille .....\$599/pr

### Model 6NeoCx 2-Way Speaker

Coaxial design with 6½-in woofer with butyl-surround and 2-in tweeter. Power handling 100 W rms; crossover point 2 kHz; FR 32 Hz-20 kHz  $\pm 3$  dB; sens 92 dB; imp 4 or 8 ohms. 11-in round or square grille .....\$549/pr

### Model 8AC 2-Way Speaker

Coaxial design with 8-in woofer and 2-in tweeter. Power handling 100 W rms; crossover point 2 kHz; FR 39 Hz-20 kHz  $\pm 3$  dB; sens 92 dB; imp 4 or 8 ohms. 11-in round or square grille .....\$399/pr

### Model 6AC 2-Way Speaker

Coaxial design with 6½-in woofer butyl-surround and 2-in tweeter. Power handling 100 W rms; crossover point 2 kHz; FR 45 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 4 or 8 ohms .....\$369/pr

### Model 8C 2-Way Speaker

Coaxial design with 8-in woofer and ¾-in tweeter. Power handling 70 W rms; crossover point 400 Hz; FR 44 Hz-25 kHz  $\pm 3$  dB; sens 90 dB; imp 4 or 8 ohms. 11-in round or square grille .....\$299/pr

### Model 844/8 Subwoofer

8-in woofer with butyl-rubber surround and 2-in vented voice coil. Power handling 150 W rms; FR 28-200 Hz  $\pm 3$  dB; sens 92 dB; imp 4 or 8 ohms. 11-in round or square grille .....\$289/pr

### Model 6C 2-Way Speaker

Coaxial design with 6½-in woofer with butyl-surround and ¾-in tweeter. Power handling 70 W rms; crossover point 4 kHz; FR 49 Hz-25 kHz  $\pm 3$  dB; sens 90 dB; imp 4 or 8 ohms .....\$269/pr

### Model 824/8 Subwoofer

8-in woofer with butyl-rubber surround and 1½-in vented voice coil. Passive crossover or 300 W in-wall power amp with variable electronic crossover optional. Power handling 100 W rms; FR 30-200 Hz  $\pm 3$  dB; sens 92 dB; imp 4 or 8 ohms. 11-in round or square grille .....\$219/pr

## GRADIENT

The following carry a 5-year warranty.

### Revolution 3-Way Speaker

Dipolar design with two 12-in woofers in open dipolar cabinet and one 7-in fiberglass midrange with coaxially mounted 1-in dome tweeter. 4 bi-ampable inputs. Power handling 250 W; crossover points 200 Hz and 2.8 kHz; FR 30 Hz-20 kHz  $\pm 3$  dB; sens 86 dB; imp 8 ohms. Cherry wood. 18 x 39 x 16 in; 50 lb .....\$3,995/pr

### Evidence 3-Way Speaker

Bass-reflex design with 8-in side-firing woofer and 7-in fiberglass midrange with coaxially mounted 1-in dome tweeter. Tunable low-frequency settings. 4 bi-ampable inputs. Bass-level control. Power handling 200 W; crossover points 200 Hz and 2.8 kHz; FR 45 Hz-20 kHz  $\pm 2$  dB; sens 86 dB; imp 4 ohms. Cherry wood. 35 x 8 x 12 in; 50 lb .....\$2,995/pr

### Intro 2-Way Speaker

Coaxial bass-reflex design with 7-in fiberglass driver and 1-in aluminum-dome tweeter. Point-source driver configuration; Helmholtz radiator. Gold-plated 5-way binding posts. Power handling 150 W; crossover point 2.8 kHz; FR 60 Hz-20 kHz  $\pm 2$  dB; sens 86 dB; imp 8 ohms. Cherry wood. 9 x 33 x 8 in; 27 lb .....\$1,500/pr

### CC-1 2-Way Center-Channel Speaker

Coaxial design with 7-in fiberglass woofer and 1-in aluminum-dome tweeter. Point-source driver configuration; cabinet designed to eliminate early reflections; magnetic shielding. 2 inputs. Includes bracket for wall mounting. Power handling 100 W; crossover point 2.8 kHz; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. White or cherry wood. 21 x 8 x 7 in; 14 lb .....\$799

### DS-1 2-Way Speaker

Dipolar design with two 5-in polypropylene woofers and two ½-in polypropylene dome tweeters. Trapezoidal enclosure. 2 inputs. Power handling 100 W; crossover point 3 kHz; FR 90 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. Black, white, or cherry wood. 6½ x 18 x 7½ in; 10 lb .....\$599

## GREEN MOUNTAIN AUDIO

The following models use internal golden-ratio baffles to critically damp rear wave energy. They carry a 5-year warranty.

### Contura 5-Way Speaker

Bass-reflex design with 15-in paper/carbon-fiber cone woofer with 140 oz magnet; 8-in paper/carbon-fiber cone woofer; 4-in Kevlar/Nomex honeycomb midrange; 1½-in ferrofluid-cooled polymer-impregnated linen-dome tweeter; ½-in aluminum-ribbon supertweeter. Acoustic 1st-order transmission from mid to low frequencies; No crossover for high-frequency signals; silver wiring. WBT 5-way binding terminals. Adjustable driver positions. Power handling 650 W; crossover point selectable at 80 Hz, 320 Hz, 3 kHz, and 9 kHz; FR 30 Hz-27 kHz  $\pm 0.5$  dB; sens 90 dB; imp 4 ohms. Cast marble with lacquered cherry finish standard; black-gloss and custom veneers available. 24 x 60 x 28 in; 240 lb ...\$14,500/pr

### Diamante III 3-Way Speaker

Transmission-line design with 8-in paper/carbon-fiber cone woofer, 4-in Kevlar-cone midrange with vented voice coil, and 1½-in ferrofluid-cooled polymer-impregnated linen-dome tweeter. Silver wiring. WBT 5-way binding-posts. Includes adjustable spikes. Power handling 350 W; FR 55 Hz-21 kHz  $\pm 0.5$  dB; sens 90 dB; imp 6.5 ohms. Malachite, black/white, or peach marble standard; custom colors available. 13½ x 43 x 13½ in; 105 lb ...\$7,500/pr

### Continuum 2 3-Way Speaker

Bass-reflex design with 12-in paper/carbon-fiber cone woofer with vented voice coil; 5¼-in Kevlar carbon-fiber midrange; 1½-in polymer-impregnated ferrofluid-cooled dome tweeter. Silver wiring. WBT 5-way binding-posts. Adjustable driver positions. Power handling 250 W; crossover points 270 Hz and 3 kHz; FR 32 Hz-22 kHz  $\pm 0.5$  dB; sens 91 dB; imp 7 ohms. Black gloss standard; lacquered veneers available. 14½ x 56 x 20 in; 120 lb .....\$5,500/pr  
WBT Triamp connectors for above .....\$400  
WBT biamp connectors .....\$200

### Continuum 1 3-Way Speaker

Bass-reflex design with 10-in single-pressed paper-cone woofer with vented voice coil; 4½-in polymer-laminated paper-cone midrange; 1½-in polymer-impregnated ferrofluid-cooled linen-dome tweeter. Silver-copper wiring. WBT 5-way binding-posts. Adjustable driver-binding position. Includes carpet-piercing adjustable spikes. Power handling 200 W; FR 50 Hz-20 kHz  $\pm 0.5$  dB; sens 90 dB; imp 6.5 ohms. Black gloss with black cast-marble standard; custom veneer finishes available. 12¼ x 43 x 14 in; 68 lb .....\$1,995/pr  
Curved-cloth grilles for above .....\$200

### Continuum 15 SW Subwoofer

Bass-reflex design with 15-in paper/carbon-fiber cone driver with rubber surround. Silver-copper wiring. Flat response across full Dolby Digital and DTS LFE-channel bandwidths. Power handling 500 W; FR 30 Hz-130 Hz  $\pm 0.5$  dB; sens 90 dB; imp 4 ohms. Matte-black standard; black gloss or custom veneers available. 24 x 23 x 28 in; 120 lb ...\$1,795/pr  
WBT binding posts for above .....\$100

### Continuum 0.5 2-Way Bookshelf Speaker

Bass-reflex design with 6-in paper-cone woofer with vented voice coil; 1½-in ferrofluid-cooled polymer-linen dome tweeter with hex-wound voice coil. Silver-copper wiring. Power handling 100 W; crossover point 3 kHz; FR 80 Hz-20 kHz  $\pm 0.5$  dB; sens 90 dB; imp 4 ohms. Hand-rubbed lacquer over solid cherry with black-cast marble face; available in matte black, gloss black, custom colors, and select hardwoods. 9½ x 15½ x 12 in; 25 lb .....\$1,450/pr  
WBT biamp connectors .....\$400  
Adjustable-height stands with carpet-piercing adjustable spikes .....\$400  
WBT binding posts .....\$200

### Continuum 12 SW Subwoofer

Bass-reflex design with 12-in paper/carbon-fiber

# Speakers

cone woofer with rubber surround. Silver-copper wiring. Flat response across full Dolby Digital and DTS LFE-channel bandwidths. Power handling 500 W; FR 35 Hz-150 Hz  $\pm 0.5$  dB; sens 90 dB; imp 4 ohms. Matte-black standard; black gloss or custom veneers available. 16 x 18 x 19 in; 70 lb .....\$1,395  
WBT binding posts .....\$100

## HALES

The following carry a 5-year parts-and-labor warranty and are available with wood finishes.

### Transcendence Eight 3-Way Speaker

Acoustic-suspension design with two 10-in aluminum woofers, 5/4-in magnesium midrange, and 2-in ribbon tweeter. 4-in thick anti-diffraction sculpted baffle; 2-in thick wall construction; Cardas wire and binding post. Two pair binding post. Includes spikes. FR 22 Hz-26 kHz; sens 91 dB. 48 x 12 x 21 in; 152 lb .....\$9,790/pr

### Transcendence Five 3-Way Speaker

Acoustic-suspension design with 10-in polypropylene woofer, 5/4-in magnesium midrange, and 1-in aluminum-dome tweeter. 4-in thick anti-diffraction sculpted baffle; 2-in-thick wall construction; Cardas wire and binding post. Two pair binding post. Includes spikes. FR 23 Hz-26 kHz; sens 88 dB; imp 4 ohms. 40 x 11 x 17 in; 106 lb .....\$5,990/pr

**Transcendence Three.** As above, 8-in polypropylene woofer. 1-in-thick wall construction. FR 28 Hz-26 kHz; sens 88 dB; imp 4 ohms. 36 x 10 x 17 in; 87 lb .....\$4,490/pr

### Transcendence Two 2-Way Speaker

Acoustic-suspension design with 8-in woofer and 1-in aluminum-dome tweeter. Anti-diffraction sculpted baffle; 1-in thick wall construction; Cardas wire and binding post. Two pair binding post. Includes spikes .....\$2,990/pr

### Revelation Three 3-Way Speaker

Acoustic-suspension design with 10-in polypropylene woofer, 4/2-in polypropylene midrange, and 1-in aluminum-dome tweeter. 4-in thick anti-diffraction sculpted baffle; 1-in thick wall construction; Cardas wire and binding post. One pair binding post. Includes spikes. FR 23 Hz-26 kHz; sens 87 dB; imp 4 ohms. 40 x 11 x 14 in; 96 lb .....\$2,195/pr

**Revelation Two.** As above, 8-in polypropylene woofer. FR 28 Hz-26 kHz; sens 87 dB; imp 6 ohms. 36 x 10 x 13 in; 67 lb .....\$1,695/pr

### Transcendence One 2-Way Speaker

Bass-reflex design with 6/2-in magnesium woofer and 1-in aluminum-dome tweeter. 1/2-in thick anti-diffraction sculpted baffle; 1-in thick wall construction; Cardas wire and binding post. Two pair binding post. FR 46 Hz-26 kHz; sens 86 dB; imp 4 ohms. 15 x 7 x 13 in; 25 lb .....\$1,990/pr

### Revelation Zero Powered Subwoofer

Two 12-in polypropylene woofers; 400-W amp. 1-in thick wall construction. Selectable crossover. FR 19 Hz-200 Hz .....\$1,495

### Revelation One 2-Way Speaker

Bass-reflex design with 6/2-in woofer and 1-in aluminum-dome tweeter. 1/2-in thick baffle; 1-in thick wall construction; Cardas wire and binding post. One pair binding post. FR 40 Hz-26 kHz; sens 86 dB; imp 8 ohms. 15 x 7 x 13 in; 26 lb .....\$995/pr

### Revelation Center

#### 3-Way Center-Channel Speaker

Acoustic-suspension design with two 6/2-in polypropylene woofers, 4/2-in polypropylene midrange, and 1-in aluminum-dome tweeter. 1/2-in thick baffle; 3/4-in thick wall construction; Cardas wire and binding post; magnetic shielding. One pair binding post. FR 50 Hz-26 kHz; sens 88 dB; imp 6 ohms. 8 x 20 x 16 in; 31 lb .....\$995

## HARMONIC PRECISION

### Echelon 3-Way Speaker

Hybrid transmission-line design with 8-in mineral-filled polypropylene-cone woofer, 2-in aluminum-dome midrange, and 1-in aluminum-dome tweeter. First-order series-wired crossover; time/phase-aligned baffle. 1 pr all-metal gold-plated binding posts. Includes 4 Audio Points with each cabinet. Power handling 10 W min, 200 W max; crossover points 1.5 kHz and 7 kHz; FR 35 Hz-20 kHz; sens 91 dB; imp 12 ohms. Oak trim with black-knit grille cloth. 10 1/2 x 45 x 13 1/2 in; 69 lb .....\$2,495/pr

### Caravelle 2-Way Speaker

Hybrid transmission-line design with 6/2-in polypropylene-cone woofer and 1-in aluminum-dome tweeter. First-order series-wired crossover; time/phase-aligned baffle. 1 pair all-metal gold-plated binding posts. Power handling 20 W min, 150 W max; crossover point 2.6 kHz; FR 41 Hz-21 kHz; sens 87 dB; imp 8 ohms. Oak trim with black knit-grille cloth. 9 x 18 x 13 in; 34 lb .....\$1,095/pr

### Alfa 2-Way Speaker

Bass-reflex design with 6/2-in long-throw polypropylene-cone woofer and 3/4-in fabric-dome tweeter. Bass-optimization circuitry; 1-in MDF front baffle; first-order crossover; phase-array alignment. Gold-plated biampable binding posts. Magnetic shielding optional. Power handling 140 W; crossover point 3 kHz; FR 45 Hz-22 kHz; sens 88 dB; imp 8 ohms. Black ash finish with black cloth grille. 8 1/2 x 13 x 12 1/2 in; 16 lb .....\$525/pr

### Cygma 2-Way Center-Channel Speaker

Bass-reflex design with two 4-in paper-cone woofers and one 3/4-in metallized polypropylene-dome tweeter. Magnetic shielding. 1 pair gold-plated 5-way binding posts. Power handling 50 W rms; crossover point 10 kHz; FR 45 Hz-20 kHz; imp 8 ohms. Black matte. 3-yr limited warranty. 20 x 5 x 10 in; 19 lb .....\$189

## HARRISON LABORATORY

### Power Mouse 3-Way Powered Speaker

One 6/2-in proprietary air-pump woofer, two 3-in proprietary midranges, and two 2-in Motorola tweeters; 5 amps, each rated at 30 W with electronic crossover. 9 x 30 x 5 in; 20 lb .....\$500

## HSU RESEARCH

### HRIBR Subwoofer System

16 vented-cylindrical enclosures (8 per stereo channel), each with two 18-in woofers. Outboard Class A, 24-dB/oct Linkwitz-Riley tube crossover for system. Power handling 6,000 W rms; FR 10-100 Hz  $\pm 1$  dB system. 5-yr warranty. 2,400 lb .....\$80,000

### VTF Series

#### VTF-1 Powered Subwoofer

One 12-in driver and two 12-in passive radiators; outboard 800-W amp. Designed for use as coffee table or end table. 24-dB/oct Linkwitz-Riley high- and low-pass crossovers; magnetic shielding. Polarity and crossover input/output switches; level control. Various finishes optional. Crossover point adjustable from 28-155 Hz. 5-yr speaker, 1-yr amp warranty .....\$1,299

#### VTF-2 Powered Subwoofer

Dual-ported bass-reflex design with 10-in driver; 150-W amp. Designed for use as coffee table or end table. 18 dB/oct slope infrasonic filter. 5-yr speaker, 1-yr electronics warranty. 16 x 14 x 18 1/2 in; 50 lb .....\$499

### V Series

The following vented subwoofers have cylindrical enclosures that enable them to be used as coffee or end tables. Optional finishes available at extra cost.

#### HRSW12Va Subwoofer

Dual-ported bass-reflex design with 12-in driver. Magnetic shielding. Special top finishes optional.

Power handling 250 W rms; FR 20-100 Hz  $\pm 1$  dB; sens 92 dB; imp 4 ohms. Black knit cloth over cylinder. 5-yr warranty. 65 lb .....\$550  
As above with outboard 450-W amp. Class A 24-dB/oct Linkwitz-Riley high- and low-pass crossovers; polarity and crossover switches; level control. Crossover point variable from 28-155 Hz. Amp: 17 1/4 x 4 1/4 x 14 in; 25 lb .....\$1,099

#### HRSW10V Subwoofer

10-in driver. Magnetic shielding. Power handling 150 W rms; FR 25-100 Hz  $\pm 2$  dB; sens 91 dB; imp 6 ohms. Granite top; black knit cloth over cylinder. 5-yr warranty. 39 lb .....\$350  
As above with outboard 150-W amp. Class A, 12-dB/oct low-pass filter variable from 40-180 Hz; polarity switch; level control. 1-yr amp warranty. Amp: 8 x 10 x 7 in; 14 lb .....\$575

### TN Series

The following have vented cylindrical enclosures that take up less than 0.8 sq ft of floor space.

#### TN1220HO Subwoofer

12-in driver. 4-in port; magnetic shielding. Power handling 250 W rms; FR 20-100 Hz  $\pm 1$  dB; sens 92 dB; imp 4 ohms. Black metal grille top; black knit over cylinder. 5-yr warranty. 30 lb .....\$450  
As above with 450-W amp. Class A 24-dB/oct Linkwitz-Riley high- and low-pass crossover; polarity and crossover switches; level control. Crossover point variable from 28-155 Hz. 1-yr amp warranty. Amp: 17 1/4 x 4 1/4 x 14 in; 25 lb .....\$999

#### TN1225HO Subwoofer

12-in driver. 4-in port; magnetic shielding. Power handling 250 W rms; FR 25-100 Hz  $\pm 1$  dB; sens 92 dB; imp 4 ohms. 25 lb .....\$350  
As above with 450-W amp. Class A 24-dB/oct Linkwitz-Riley high- and low-pass crossover; polarity and crossover switches; level control. Crossover point variable from 28-155 Hz. 1-yr amp warranty. Amp: 17 1/4 x 4 1/4 x 14 in; 25 lb .....\$899

## INFINITY

EMIT, EMIT-R, EMIT-N, EMIM, and L-EMIM are proprietary planar drivers.

### IRS Sigma 4-Way Planar Speaker

Hybrid-planar design with 12-in woofer, 6/2-in woofer, EMIM midrange, and two EMIT tweeters in dipole configuration. Midrange-, woofer- and tweeter-level controls. Power handling 500 W; crossover point 160 Hz, 600 Hz, and 3.8 kHz; FR 30 Hz-42 kHz  $\pm 2$  dB; sens 87 dB; imp 4 ohms. 18 x 58 x 16 in; 195 lb .....\$10,000

### IRS-Omega 4-Way Speaker

Hybrid-planar design with 12-in woofer, 6/2-in midrange, and one front- and one rear-firing emit tweeter. 4th-order Linkwitz-Riley crossover. Bi-ampable terminals. Midrange- and tweeter-level controls. Power handling 500 W; crossover point selectable at 180 Hz, 450 Hz, or 4 kHz; FR 30 Hz-42 kHz  $\pm 2$  dB; sens 87 dB; imp 4 ohms. 14 1/2 x 48 x 14 in; 120 lb .....\$4,000

### QPS-1 Surround Speaker

Bass-reflex design with four 3-in drivers. Includes keyhole plate for wall mounting. Power handling 100 W; FR 80 Hz-20 kHz; sens 88 dB; imp 8 ohms \$349/pr

### Compositions Series

#### P-PR Prelude 4-Way Speaker/Powered Subwoofer

Bass-reflex design with one built-in 12-in powered subwoofer, four 5/4-in dome midranges, two 4-in dome woofers, and one 1-in dome tweeter; 150-W amp. Crossover point 110 Hz, 350 Hz, and 3 kHz; FR 25 Hz-20 kHz  $\pm 2$  dB; sens 96 dB; imp 6 ohms. Black cloth grille, and finish. 8 x 54 x 20 in; 78 lb .....\$1,949

#### Overture 3 3-Way Speaker/Powered Subwoofer

300-W powered subwoofer section with four 6/2-in

# Speakers

drivers; speaker section with two 5/4-in cone mid-ranges and one 1-in silk-dome tweeter. Woofer-level control. Crossover points 350 Hz and 3 kHz; FR 33 Hz-20 kHz; sens 94 dB; imp 8 ohms. Black cloth grille. 7 x 46 x 16 in; 59 lb .....\$1,400

**Overture 1 3-Way Speaker/Powered Subwoofer**  
150-W powered subwoofer section with one 8-in driver; speaker section with two 4-in cone mid-ranges and one 1-in silk-dome tweeter. Woofer-level control. Crossover points 200 Hz and 3 kHz; FR 38 Hz-20 kHz; sens 92 dB; imp 8 ohms. Black finish with black cloth grille. 6 x 12 x 6 in; 28 lb ..\$1,349/pr

**Overture 2 3-Way Speaker/Powered Subwoofer**  
150-W powered subwoofer section with two 6 1/2-in drivers; speaker section with two 5/4-in cone mid-ranges and one 1-in silk-dome tweeter. Woofer-level control. Crossover points 350 Hz and 3 kHz; FR 35 Hz-20 kHz; sens 93 dB; imp 8 ohms. Black cloth grille. 7 x 39 x 16 in; 47 lb .....\$1,099

**P-CC 3-Way Center-Channel Speaker**  
Acoustic-suspension design with two 5/4-in woofer, two 4-in dome midranges, and one 1-in dome tweeter. Power handling 150 W; crossover point 350 Hz and 3 kHz; FR 80 Hz-20 kHz  $\pm 2$  dB; sens 96 dB; imp 6 ohms. Black cloth grille, black finish. 23 x 6 x 8 in; 21 lb .....\$779

**Quadrapole 2-Way Surround Speaker**  
Acoustic-suspension design with one 5/4-in woofer and four 3/8-in dome tweeters. Power handling 100 W; FR 50 Hz-15 kHz  $\pm 2$  dB; sens 90 dB; imp 8 ohms. 14 x 10 x 4 in; 7 lb .....\$669/pr

**High Power Subwoofer Series**  
*The following have a phase switch and variable crossover.*

**HPS-1000 Powered Subwoofer**  
One 15-in woofer and two 15-in side-firing passive radiators; 1,000-W amp. Dolby Digital input; line- and speaker-level inputs and outputs. A/V EQ. FR 18-150 Hz .....\$1,349

**HPS-500 Powered Subwoofer**  
One 12-in down-firing woofer and two 12-in side-firing passive radiators; 500-W amp. Dolby Digital input; line- and speaker-level inputs and outputs. A/V EQ. FR 22-150 Hz. 16 1/2 x 21 1/4 x 19 in ..\$999

**HPS-250 Powered Subwoofer**  
Bass-reflex design with 12-in woofer; 250-W amp. Line- and speaker-level inputs; speaker-level output. FR 25-180 Hz. 5 x 18 x 18 in .....\$779

## Reference Series

**RS-10 3-Way Powered Speaker**  
One 10-in woofer, dual 6 1/2-in midranges, and one 1-in silk dome tweeter; 150-W amp. Line-level or Dolby Digital input. Bass-level control. FR 30 Hz-20 kHz; sens 93 dB; imp 8 ohms. Black wood-grain .....\$899

**RS-8 3-Way Powered Speaker**  
Bass-reflex design with 8-in woofer, 6 1/2-in mid-range, and 1-in silk dome tweeter; 100-W amp. Magnetic shielding. Line-level or Dolby Digital input. Bass-level control. FR 32 Hz-20 kHz; sens 92 dB; imp 8 ohms. Black woodgrain. 5-year warranty. 7 1/2 x 40 x 12 1/2 in .....\$679

**RS-5 2-Way Speaker**  
Bass-reflex design with two 6 1/2-in woofers and one 1-in silk-dome tweeter. Power handling 200 W; crossover point 3 kHz; FR 35 Hz-20 kHz; sens 92 dB; imp 8 ohms. Black cloth grille. 8 x 40 x 12 1/2 in; 40 lb .....\$399

**RS-3 2-Way Speaker**  
Bass-reflex design with 6 1/2-in woofer and 1-in silk-dome tweeter. Power handling 125 W; crossover point 3 kHz; FR 40 Hz-20 kHz; sens 89 dB; imp 8 ohms. Black cloth grille. 8 x 16 x 10 in; 14 lb .....\$399/pr

## RS-2 2-Way Speaker

Bass-reflex design with 6 1/2-in woofer and 1/2-in dome tweeter. Power handling 100 W; FR 50 Hz-20 kHz; sens 89 dB; imp 8 ohms. Black cloth grille. 8 x 13 x 10 in; 12 lb .....\$329/pr

## RS-4 2-Way Speaker

Bass-reflex design with 6 1/2-in woofer and 1-in silk-dome tweeter. Power handling 175 W; crossover point 3 kHz; FR 38 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black cloth grille. 8 x 36 x 14 in; 34 lb ..\$279

## RS-1 2-Way Speaker

Bass-reflex design with 5/4-in woofer and 1/2-in dome tweeter. Power handling 100 W; crossover point 3.5 kHz; FR 55 Hz-20 kHz; sens 88 dB; imp 8 ohms. Black cloth grille. 7 x 11 x 8 in; 8 lb ..\$229/pr

## Subwoofer Series

### Powered Subwoofer

15-in woofer; outboard 200-W amp. Line- and speaker-level outputs. Phase switch .....\$599

### BU-2 Plus Powered Subwoofer

12-in woofer; amp rated at 75 W rms. Crossover points 50-200 Hz; FR 30-150 Hz  $\pm 3$  dB. Black finish with black-cloth grille. 14 x 14 x 14 in; 50 lb ...\$499

### BU-1 Plus Powered Subwoofer

8-in woofer; amp rated at 75 W rms. Crossover points 50 - 150 Hz; FR 45-150 Hz  $\pm 3$  dB. Black finish with black-cloth grille. 11 x 11 x 11 in; 26 lb ...\$399

## ERS Series

*The following Environmental Reference Standard speakers have white metal grilles and a white finish.*

### ERS 840 2-Way In-Wall Speaker

8-in woofer and EMIT-N tweeter. Crossover point 3.8 kHz; FR 50 Hz-45 kHz; sens 85 dB; imp 8 ohms. 11 x 15 x 4 in; 7 lb .....\$580/pr

### ERS 640 2-Way In-Wall Speaker

6-in woofer and 3/4-in dome tweeter. Power handling 60 W; FR 60 Hz-22 kHz; sens 85 dB; imp 8 ohms. 9 x 13 x 3 in; 5 lb .....\$340/pr

### Outrigger 2-Way Outdoor Speaker

5 1/4-in woofer and 1-in dome tweeter. Power handling 80 W; FR 100 Hz-20 kHz; sens 88 dB; imp 8 ohms. 8 x 10 x 7 in; 7 lb .....\$329/pr

### ERS 360 2-Way In-Wall Speaker

5 1/4-in woofer and 3/4-in dome tweeter. Power handling 40 W; crossover point 6 kHz; FR 75 Hz-22 kHz; sens 88 dB; imp 8 ohms. Round frame. Mounting diameter: 8 in. Mounting depth 3 in .....\$250/pr

### ERS 540 2-Way In-Wall Speaker

5 1/4-in woofer and 3/4-in dome tweeter. Power handling 40 W; crossover point 6 kHz; FR 75 Hz-22 kHz; sens 85 dB; imp 8 ohms. 8 x 8 x 8 in; 4 lb ..\$250/pr

### ERS 440 In-Wall Speaker

4-in woofer. Power handling 30 W; FR 90 Hz-15 kHz; sens 85 dB; imp 8 ohms. Round frame. Mounting diameter: 7 in. Mounting depth 3 in ....\$180/pr

## Minnette Series

### L-MPS TP Center/Surround System

Package includes one Minnette center speaker and four L-MPS surround speakers .....\$549

**Minnette Center/Surround System.** Package includes one Minnette center-channel speaker and four MPS surround speakers. 17 lb .....\$389

**Minnette Surround System.** Package includes four MPS speakers. 11 lb .....\$279

### L-MPS 2-Way Bookshelf Speaker

Dual 3 1/2-in woofers and one 1/2-in tweeter. Includes wall bracket. Power handling 100 W; FR 150 Hz-20 kHz; sens 87 dB; imp 8 ohms. 4 1/2 x 10 1/2 x 3 1/4 in .....\$229/pr

### Minnette MPS 2-Way Surround Speaker

Acoustic-suspension design with 3 1/2-in woofer

and 1/2-in dome tweeter. Power handling 100 W; crossover point 5 kHz; FR 200 Hz-20 kHz; sens 88 dB; imp 8 ohms. 5 x 7 x 4 in; 4 lb .....\$169/pr

## Minnette 2-Way Center-Channel Speaker

Acoustic-suspension design with two 3 1/2-in woofers and one 1/2-in dome tweeter. Power handling 100 W; crossover point 5 kHz; FR 150 Hz-20 kHz; sens 88 dB; imp 8 ohms. Black finish with black cloth grille. 10 x 5 x 4 in; 5 lb .....\$149

## Studio Monitor Series

*The following use a bass-reflex design and have a black cloth grille.*

### SM 255 3-Way Speaker

One 15-in woofer, two 5/4-in cone midranges, and one 1-in dome tweeter. Tweeter-level control. Power handling 300 W; crossover points 400 Hz and 2.5 kHz; FR 42 Hz-20 kHz  $\pm 3$  dB; sens 103 dB; imp 8 ohms. 17 1/4 x 42 x 14 1/4 in .....\$549

### SM 225 3-Way Speaker

12-in woofer, 5/4-in cone midrange, and 1-in dome tweeter. Tweeter-level control. Power handling 200 W; crossover points 450 Hz and 2.5 kHz; FR 48 Hz-20 kHz  $\pm 3$  dB; sens 101 dB; imp 8 ohms. 14 1/4 x 37 x 14 1/4 in .....\$425

### SM 185 2-Way Bookshelf Speaker

8-in woofer and 1-in dome tweeter. Power handling 125 W; crossover point 2.8 kHz; FR 70 Hz-20 kHz  $\pm 3$  dB; sens 98 dB; imp 8 ohms. 11 1/4 x 18 x 10 1/2 in .....\$359/pr

### SM 215 3-Way Speaker

10-in woofer, 5/4-in cone midrange, and 1-in dome tweeter. Tweeter-level control. Power handling 175 W; crossover points 450 Hz and 2.5 kHz; FR 58 Hz-20 kHz  $\pm 3$  dB; sens 100 dB; imp 8 ohms. 13 1/4 x 32 1/2 x 12 1/2 in .....\$329

### SM Video 2-Way Center-Channel Speaker

Two 6 1/2-in woofers and one 1-in dome tweeter. Power handling 175 W; crossover point 2.2 kHz; FR 78 Hz-20 kHz  $\pm 3$  dB; sens 93 dB; imp 8 ohms. Black finish. 21 x 8 x 9 in; 18 lb .....\$329

### SM 165 2-Way Bookshelf Speaker

6 1/2-in woofer and 3/4-in dome tweeter. Power handling 100 W; FR 74 Hz-20 kHz  $\pm 3$  dB; sens 95 dB; imp 8 ohms. 8 x 13 x 7 in; 13 lb .....\$278/pr

## Center-Channel Series

*The following have a black cloth grille and black finish.*

### CC-3 2-Way Center-Channel Speaker

Two 5 1/4-in woofers and one 1-in silk-dome tweeter. Midrange- and tweeter-level control. Power handling 150 W; crossover point 3 kHz; FR 80 Hz-20 kHz; imp 8 ohms. 20 x 7 x 8 in .....\$449

### CC-2 2-Way Center-Channel Speaker

Two 5 1/4-in woofers and one 1/2-in dome tweeter. Midrange-level control. Power handling 100 W; crossover point 3.5 kHz; FR 90 Hz-20 kHz; imp 8 ohms. 18 x 7 x 8 in .....\$329

### CC-1 2-Way Center-Channel Speaker

Two 4-in woofers and one 1/2-in dome tweeter. Power handling 100 W; FR 100 Hz-20 kHz; imp 8 ohms. 14 x 5 x 6 in .....\$199

## JACKSON

### AU-3 3-Way Bookshelf/Satellite Speaker

5 1/4-in carbon-fiber woofer, 1-in polyamide-dome tweeter, and 3/4-in polycarbonate supertweeter. Power handling 100 W; crossover points 2.5 and 12 kHz; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. Satin ivory, black or custom finish. 7 1/2 x 13 1/2 x 4 1/4 in .....\$1,300/pr

### AU-20 Subwoofer

10-in polypropylene dual-voice-coil woofer and

# Speakers

15-in electromechanically damped slot-loaded passive radiator. Power handling 200 W; FR 26-100 Hz  $\pm$ 3 dB; sens 90 dB; imp 8 ohms. Satin ivory, black or custom finish. 17 1/2 x 18 x 18 1/2 in. . \$1,250

## JAMO

### Digital CineMaster Home Theater System

6-speaker system with 800-W rms powered subwoofer with dual 15-in drivers; one center and two front speakers, each with two 5 1/4-in woofers, two 3 1/4-in midranges, and one 1-in tweeter; two surround speakers, each with four 4 1/2-in woofers and two 1-in dome tweeters. 5-pin XLR line-level input and output for subwoofer; coaxial digital link inputs and outputs for center, front, and surround speakers. FR 16-200 Hz dB sub, 80 Hz-20 kHz center and front, and surround; sens sub 120 dB, front/center 112 dB, surround 110 dB. Subwoofer: 18 1/4 x 23 x 23 in; 30 lb. Center: 10 1/2 x 24 1/2 x 5 1/2 in. Front: 21 x 17 1/2 x 6 in; 43 lb. Surround: 14 1/4 x 17 1/4 x 7 in; 30 lb. . \$30,000

### Oriel 3-Way Speaker

Bass-reflex design with two 8-in woofers, one 6 1/2-in Kevlar midrange, and one 1 1/2-in dome tweeter. Lateral cabinet reinforcement with sections or hardened glass; antiresonant MDF panels; Individual chambers for each woofer; concrete plinth with 4 spikes. 24k gold-plated triampable terminals. Power handling 300 W; crossover points 100 Hz and 3 kHz; FR 20 Hz-22 kHz; sens 87 dB; imp 6 ohms. Engraved name plate of owner finish. 15 1/2 x 70 x 11 1/2 in. . \$4,900

### Jamo Home THX Speaker System

7-speaker system with two bass-reflex subwoofers, each with one 12-in driver; three 3-way front/center speakers, each with two 5-in woofers, two 3-in midranges, and one 1-in tweeter; two dipolar surround speakers, each with three 4-in woofers and two 1-in tweeters. THX certified; front-firing reflex subwoofer port. Gold-plated binding posts for all inputs. Magnetic shielding. Includes brackets for wall mounting. Power handling 250 W stereo, 200 W surround; 30 Hz-200 Hz -4 dB sub, 80 Hz-20 kHz  $\pm$ 2 dB front/center, 100 Hz-20 kHz surround; sens 88 dB stereo or surround; imp 4 ohms front/center or surround, 8 ohms subwoofer. Black ash front/center and subwoofer finishes; black- or white-ash surround finish. Subwoofer: 17 1/4 x 30 x 16 1/2 in. Front/center: 17 1/4 x 21 1/4 x 5 1/2 in. Surround: 16 1/2 x 10 1/4 x 5 1/2 in. . \$4,499

### Concert 11 3-Way Speaker

Bass-reflex design with 6 1/2-in woofer, 6 1/2-in midrange, and 1-in tweeter. Power handling 200 W max. Mahogany or cherry finish. 11 x 40 1/4 x 15 in; 33 lb. . \$1,800

### Concert 8 2-Way Bookshelf Speaker

Bass-reflex design with 6 1/2-in woofer and 1-in tweeter. Power handling 170 W max. Mahogany or cherry finish. 9 1/2 x 15 x 12 1/2 in; 12 lb. . \$1,200

### Concert Center 3-Way Center-Channel Speaker

Bass-reflex design with two 6 1/2-in woofers, one 6 1/2-in midrange, and one 1-in tweeter. Power handling 150 W max. Mahogany or cherry finish. 5-yr warranty. 22 x 8 x 11 1/2 in; 10 lb. . \$800

### SW-300 Subwoofer/Satellite System

3-speaker system featuring adjustable bass-reflex subwoofer with two 8-in drivers; two satellites, each with one 4-in woofer and one 1/2-in tweeter. Push-pull subwoofer-driver alignment. 24k gold-plated screw terminals. Power handling 100 W x 2 sub, 50 W sat; crossover point 3.5 kHz; FR 30-200 Hz sub, 80-20 kHz sat; sens 90 dB sub and sat; imp 8 ohms sub and sat. Subwoofer: 13 1/4 x 8 1/2 x 19 in. Satellite: 6 x 8 x 3 in. . \$699  
Subwoofer only . \$399  
SAT-300. Satellite only . \$149

### Atmosphere 2-Way Speaker

Bass-reflex design with 5 1/4-in woofer and 1-in

dome tweeter. Designed for wall hanging. Integrated 20-W halogen lamp; cabinet interior without straight surfaces; multiple-layer lead cladding in cabinet for resonance damping. 360° rotation when used with supplied wall bracket. Power handling 60 W; crossover point 3 kHz; FR 40 Hz-20 kHz; sens 88 dB; imp 8 ohms. 10 1/2 x 14 1/2 x 6 1/2 in. . \$499

### SW-200 Subwoofer/Satellite System

3-speaker system featuring subwoofer with two 8-in drivers and two satellites, each with 4-in woofer and 1/2-in tweeter. Power handling 100 W x 2 sub, 50 W sat; FR 35-150 Hz subwoofer, 80-20 kHz satellite; sens 90 dB sub and sat; imp 8 ohms sub and sat. Subwoofer: 19 1/2 x 15 1/2 x 9 1/2 in; satellite: 6 x 8 1/4 x 3 1/2 in. . \$499  
Subwoofer only . \$329  
SAT-200. Satellite only . \$119

### SW-400E Powered Subwoofer

Bass-reflex design with 8-in woofer; amp rated at 90 W rms. Gold-plated line-level and speaker-level terminals. Continuously adjustable phase between 0° and 180°. Crossover point variable from 70-150 Hz; FR 40-150 Hz; sens adjustable from 76-100 Hz. 9 1/2 x 15 1/2 x 19 1/2 in. . \$499

### Center 200 2-Way Center-Channel Speaker

Bass-reflex design with two 5-in woofers and one 1-in dome tweeter. Magnetic shielding; +3-, 0-, -3-dB treble switch. Power handling 80 W; crossover point 2 kHz; FR 70 Hz-20 kHz; sens 90 dB; imp 8 ohms. 22 1/4 x 8 1/4 x 6 1/2 in. . \$399

### Silhouette 3-Way Speaker

Bass-reflex design with two 5 1/4-in woofers and one 1-in dome tweeter. Power handling 80 W; crossover points 300 Hz and 4 kHz; FR 47 Hz-20 kHz; sens 90 dB; imp 5 ohms. 9 1/4 x 48 1/4 x 6 1/2 in. . \$399

### SW-303E Powered Subwoofer

8-in driver; amp rated at 70 W rms. FR 45-150 Hz. 14 x 16 x 9 in. . \$399

### Graphic 2-Way Speaker

Bass-reflex design with two 5 1/4-in woofers and one 1-in dome tweeter. Designed for wall hanging. Computer-optimized band-pass filter; drivers installed in synthetic material anchored in hole cut out of glass panel. Power handling 60 W; crossover point 3 kHz; FR 45 Hz-20 kHz; sens 88 dB; imp 8 ohms. Black-glass front panel accepts fabric panel. 15 1/2 x 17 1/2 x 3 1/2 in. . \$329

### Art 2-Way Speaker

Bass-reflex design with 5 1/4-in woofer and 1-in impregnated textile-dome tweeter. Computer-optimized band-pass filter. Power handling 60 W; crossover point 3 kHz; FR 40 Hz-20 kHz; sens 88 dB; imp 8 ohms. Cabinet shape similar to modern flat-square TVs. 15 1/2 x 13 1/2 x 3 1/2 in. . \$275  
Artina. As above, 4-in woofer, 2-in cone tweeter. Power handling 50 W; crossover point 4.5 kHz; FR 80 Hz-20 kHz; sens 90 dB. 11 1/4 x 9 1/4 x 3 in. . \$139

### Center 100 II 2-Way Center-Channel Speaker

Bass-reflex design with two 4-in woofers and one 1-in tweeter. Magnetic shielding. Power handling 70 W; crossover point 4.5 kHz; FR 80 Hz-20 kHz; sens 90 dB; imp 8 ohms. 16 1/2 x 6 1/2 x 4 1/2 in. . \$199

### Center 50 II 2-Way Center-Channel Speaker

Bass-reflex design with two 4-in woofers and one 1/2-in dome tweeter. Magnetic shielding. Power handling 60 W; crossover point 3.5 kHz; FR 80 Hz-20 kHz; sens 89 dB; imp 8 ohms. 12 1/2 x 6 1/2 x 4 1/2 in. . \$169

### Indoor/Outdoor II 2-Way Outdoor Speaker

Two 4-in woofers and one 1/2-in dome tweeter. Resistant to water, heat, cold, smoke, and dust. Power handling 60 W; crossover point 3.5 kHz; FR 70 Hz-20 kHz; sens 90 dB; imp 4 ohms. 12 1/2 x 6 1/2 x 4 1/2 in. . \$150  
Indoor/Outdoor I. As above, single woofer. Power handling 50 W; crossover point 4.5 kHz; FR 80 Hz-20 kHz; imp 8 ohms. 5 1/2 x 8 x 3 1/2 in. . \$119

### Surround 200 3-Way Surround Speaker

4-in woofer, 3 1/4-in midrange, and 2-in cone tweeter. Power handling 50 W; crossover points 800 Hz, 3.5 and 7 kHz; FR 80 Hz-20 kHz; sens 88 dB; imp 8 ohms. 6 1/4 x 9 x 5 1/2 in. . \$149

### Surround 100 2-Way Surround Speaker

4-in woofer and 2-in cone tweeter. Power handling 45 W; crossover point 4.5 kHz; FR 90 Hz-20 kHz; sens 90 dB; imp 8 ohms. 5 1/4 x 7 1/2 x 3 1/2 in. . \$89

### U-50 Speaker

Bass-reflex design with 5-in driver. Designed for wall hanging. Volume control. Power handling 50 W; FR 80 Hz-15 kHz; sens 92 dB; imp 8 ohms. 6 1/4 x 10 1/2 x 5 1/2 in. . \$79

### Surround 50 Surround Speaker

4-in driver. Power handling 45 W; FR 120 Hz-17 kHz; sens 87 dB; imp 8 ohms. 5 1/4 x 7 1/2 x 3 1/2 in. . \$59

### 07 Series

The following use a bass-reflex design and have coated-textile-dome tweeters. Models 507 and 707i have long-throw woofers in a push-pull configuration.

### Model 707i 3-Way Speaker

Two 8-in woofers, two 5-in midranges, and one 1-in tweeter. Power handling 280 W max; crossover points 150 Hz and 3 kHz; FR 35 Hz-20 kHz; sens 90 dB; imp 4 ohms. 10 1/2 x 41 1/2 x 15 1/2 in. . \$899  
Model 507. As above, two 6 1/2-in woofers, two 4-in midranges, and one 1-in tweeter. Power handling 200 W max; FR 40 Hz-20 kHz; sens 88 dB. 9 x 36 1/2 x 14 1/2 in. . \$749

### Model 477 2-Way Speaker

Two 5-in woofers and one 1-in tweeter. Power handling 100 W; crossover point 2.5 kHz; FR 40 Hz-2 kHz; sens 88 dB; imp 4 ohms. 7 1/2 x 30 1/2 x 11 1/2 in. . \$449  
Model 307. As above, single woofer. Power handling 70 W; crossover point 3 kHz; FR 50 Hz-20 kHz; sens 87 dB; imp 6 ohm. 7 1/2 x 12 1/4 x 10 1/2 in. . \$299

### Model 407 3-Way Bookshelf Speaker

6 1/2-in woofer, 1-in dome midrange, and 1/2-in tweeter. Power handling 80 W; crossover points 3 and 10 kHz; FR 45 Hz-20 kHz; sens 88 dB; imp 6 ohms. 8 1/2 x 15 1/2 x 10 1/2 in. . \$399

### Classic Series

The following use a bass-reflex design. They have 1/2-inch-thick MDF front panels, interior bracing, gold-plated biampable terminals, and coated-textile membrane tweeters. Each is available in a mahogany or black finish.

### Classic 10 3-Way Speaker

Two 8-in woofers, one 5 1/4-in midrange, and one 1-in tweeter. Non-resonant construction. Power handling 180 W; crossover points 700 Hz and 2.5 kHz; FR 30 Hz-20 kHz; sens 91 dB; imp 6 ohms. 11 x 39 1/2 x 14 1/2 in. . \$699

### Classic 8 3-Way Speaker

Two 6 1/2-in woofers, one 5 1/4-in midrange, and one 1-in tweeter. Power handling 150 W; crossover points 700 Hz and 2.5 kHz; FR 35 Hz-20 kHz; sens 90 dB; imp 4 ohms. 9 x 35 1/2 x 11 1/2 in. . \$499

### Classic 6 2-Way Speaker

Two 5 1/4-in woofers and one 1-in dome tweeter. Power handling 100 W; crossover point 2.5 kHz; FR 40 Hz-20 kHz; sens 90 dB; imp 4 ohms. 8 x 33 1/2 x 11 1/2 in. . \$399  
Classic 4. Bookshelf version of above. FR 45 Hz-20 kHz. 8 x 18 1/2 x 9 1/2 in. . \$299

### Cornet Series

The following have MDF cabinets, gold-plated terminals, and soft-dome tweeters.

### Cornet 195 IV 3-Way Bookshelf Speaker

Two 8-in woofers, one 5 1/4-in midrange, and one 1-

# Speakers

in tweeter. Biampable terminals. Power handling 140 W; crossover points 800 Hz and 4 kHz; FR 40 Hz-20 kHz. 10 x 34% x 10 1/2 in . . . . . \$398

## Cornet 175 3-Way Speaker

Bass-reflex design with two 6 1/2-in woofers, one 5/4-in midrange, and one 1-in dome tweeter. Power handling 90 W min, 120 W max . . . . . \$318

## Cornet 165 IV 3-Way Bookshelf Speaker

Bass-reflex design with 6 1/2-in woofer, 3-in midrange, and 1-in tweeter. Power handling 80 W; crossover points 1.5 and 5 kHz; FR 47 Hz-20 kHz; sens 90 dB; imp 8 ohms. 9 x 16 1/2 x 8 1/4 in . . . . . \$198

## Cornet 145 IV 2-Way Bookshelf Speaker

Bass-reflex design with 5/4-in woofer and 1-in tweeter. Power handling 60 W; crossover point 3 kHz; FR 50 Hz-20 kHz; sens 89 dB; imp 8 ohms. 7 3/4 x 12 1/2 x 8 1/4 in . . . . . \$138

## JANIS

The following are available in zebrawood, Brazilian rosewood, coca bola, American walnut, white oak, or black finishes.

## W1 Powered Subwoofer

Slot-load 15-in woofer; Janis Interphase 1A amp rated at 125 W. Bass output from electromagnetically-controlled Helmholtz resonator; 18-dB/oct crossover. Crossover point 100 Hz; FR 30-100 Hz  $\pm$  1 dB. 22 x 22 x 18 in; 96 lb . . . . . \$1,900  
As above with Interphase 3AT crossover; no power amp . . . . . \$1,700  
As W1, no crossover or amp . . . . . \$1,050

**W3 Subwoofer.** As W1, 12-in driver. 18 x 18 x 18 in; 66 lb . . . . . \$1,750  
As above with Interphase 3AT crossover; no power amp . . . . . \$1,550

**System 3A.** W3 with Interphase 3A crossover and switchable amp rated at 70 W rms. Line-level output. Variable phase and gain controls. FR 2 Hz-1 kHz; THD 0.03% at 20 Hz; S/N 90 dB . . . . . \$1,300  
As W3, no crossover or amp . . . . . \$900

## JBL

### Century Gold 3-Way Bookshelf Speaker

12-in cast-frame woofer, 5-in cast-frame midrange with Kevlar cone, and 1-in gold-plated titanium tweeter. Power handling 800 W; FR 38 Hz-22 kHz; sens 90 dB; imp 6 ohms. Sapeli mahogany wood finish. 15 x 26 1/2 x 12 1/2 in . . . . . \$5,000/pr

### HT-1 MkII THX Home Theater System

6-speaker system with 200-W powered subwoofer with two 12-in drivers; 3 satellites and 2 dipole surround speakers, each with two 5/4-in woofers and one 1-in tweeter. THX-certified; pure-titanium tweeters; polymer-laminate woofers and midranges. Power handling 100 W; sens 91 dB subwoofer, 87 dB satellites or surrounds; imp 6 ohms surrounds, 8 ohms satellites. Subwoofer: 21 x 21 x 21 in. Satellite: 17 1/2 x 10 x 8 1/2 in; 21 lb. Surround: 13 1/2 x 9 1/4 x 7 1/4 in; 16 lb . . . . . \$3,499

### S3100 2-Way Speaker

15-in woofer and 1 1/4-in compression tweeter. Magnetic shielding. Power handling 400 W; sens 94 dB; impedance 6 ohms. 22 x 43 1/4 x 16 in; 125 lb . . . . . \$2,500  
**S2600.** As above, 12-in woofer. Sens 92 dB. 22 x 38 1/4 x 16 in; 115 lb . . . . . \$2,000

### PSW-D115 Powered Subwoofer

Bass-reflex design with 15-in driver; 350-W amp. Digital amp; proprietary dynamic bass-optimization circuitry. Line- and speaker-level inputs and outputs. A/V EQ switch; adjustable low-pass/high-pass crossover; defeatable crossovers for Dolby Digital applications. Crossover point variable from 60-180 Hz; FR 25-180 Hz. Black woodgrain. 20 x 20 x 21 1/4 in; 50 lb . . . . . \$799  
**PSW-D112.** As above, 12-in driver; 250-W amp. FR 28-180 Hz. 17 1/2 x 17 1/2 x 19 1/2 in; 45 lb . . . . . \$499

### SCS125 Home Theater System

6-speaker system featuring 75-W powered subwoofer with 8-in driver; five magnetically-shielded satellites each with 3-in midrange and 3/4-in tweeter. Speaker-level inputs and outputs. Subwoofer-level control. Power handling 300 W; FR 35-200 Hz subwoofer, 200 Hz-20 kHz satellite; imp 8 ohms. Black. 5-yr warranty. Subwoofer: 12 x 12 x 10 in. Satellite 3 x 4 x 4 in . . . . . \$449

### PSW-D110 Powered Subwoofer

Bass-reflex design with 10-in driver; 150-W amp. Digital amp. Line- and speaker-level inputs and outputs. Phase switch; front-mounted level control; adjustable low-pass/high-pass crossover. Crossover point variable from 60-180 Hz; FR 30-180 Hz. Black woodgrain. 15 1/2 x 15 1/2 x 17 in; 40 lb . . . . . \$399

### Synthesis THX Powered Home Theater Systems

The following are THX-certified, have biradial controlled-directivity horn-loaded compression drivers for cinema sound and wide-dispersion titanium-dome tweeters for music, and come with JBL's SDP-2 Dolby Digital/THX surround processor for system control. All components are rack-mountable.

#### Synthesis One THX Home Theater System

7-speaker system featuring 2 subwoofers, each with 18-in driver; 2 front speakers, each with one 18-in woofer, two 8-in woofers, two 5-in midranges, one 2-in titanium-dome horn tweeter, and one 1-in dome tweeter; center speaker with two 8-in woofers and one 2-in titanium-dome horn tweeter; 2 surround speakers, each with two 8-in woofers and two 2-in titanium-dome horn tweeters. Gray finish . . . . . \$47,500

#### Synthesis Two THX Home Theater System

7-speaker system featuring 2 subwoofers, each with one 18-in driver; 2 front speakers, each with one 15-in woofer, two 6-in woofers, two 4-in midranges, one 2-in titanium-dome horn tweeter, and one 1-in dome tweeter; center speaker with one 6-in woofer and one 2-in titanium-dome horn tweeter; two surround speakers, each with two 5-in woofers and two 1-in horn tweeters. Magnetic shielding on front and center speakers. Black ash finish . . . . . \$32,500

**Synthesis Three.** As above, 2 magnetically-shielded 12-in subwoofers; horizontal or vertical center speaker . . . . . \$25,000

### SVA Series

The following have magnetic shielding.

#### SVA2100 2-Way Speaker

Two 10-in cast-frame woofers and one biradial-horn tweeter with proprietary design. Adjustable front spikes. Biampable terminals. Power handling 300 W; FR 40 Hz-20 kHz  $\pm$  2 dB; sens 92 dB; imp 8 ohms. Black oak finish with horn-trim plates. 14 1/2 x 43 x 20 1/4 in . . . . . \$2,000/pr  
**SVA1800.** As above, two 8-in cast-frame woofers. Power handling 250 W; FR 50 Hz-20 kHz  $\pm$  2 dB. 12 1/2 x 38 x 16 1/4 in . . . . . \$1,680/pr

#### SVA1500 2-Way Bookshelf Speaker

Bass-reflex design with two 5/4-in woofers and one 1-in ferrofluid-cooled soft-dome tweeter with proprietary biradial horn. Proprietary precision-imaging system. Power handling 150 W; crossover point 2.5 kHz; FR 45 Hz-20 kHz; sens 88 dB; imp 8 ohms. Black woodgrain finish. 5-yr warranty. 6 1/2 x 20 x 11 1/2 in; 25 lb . . . . . \$1,100/pr

#### SVA1600 2-Way Speaker

Bass-reflex design with two 6 1/2-in woofers and one 1-in ferrofluid-cooled soft-dome tweeter with proprietary biradial horn. Proprietary precision-imaging system; adjustable spikes. Biampable 5-way binding posts. Power handling 200 W; crossover point 1.75 kHz; FR 38 Hz-20 kHz; sens 89 dB; imp 8 ohms. Black woodgrain finish. 5-yr warranty. 11 x 35 1/4 x 13 1/2 in; 60 lb . . . . . \$650

### SVA Center 2-Way Center-Channel Speaker

Bass-reflex design with two 5/4-in woofers and one 1-in ferrofluid-cooled soft-dome tweeter with biradial horn. Proprietary precision-imaging system; adjustable spikes. 5-way binding posts. Power handling 150 W; FR 45 Hz-20 kHz; sens 88 dB; imp 8 ohms. Black woodgrain finish. 5-yr warranty. 20 x 6 1/2 x 11 1/2 in; 25 lb . . . . . \$550

### Electronic Simply Cinema Series

#### ESC550 Powered Home Theater System

Complete home theater system with 245-W powered subwoofer with two 6 1/2-in drivers; three 2-way front speakers with 3 1/2-in midrange and 3/4-in titanium-dome tweeter; two surround speakers with 3 1/2-in driver; Dolby Pro Logic decoder; CD player; AM/FM tuner. Magnetic shielding for satellites and front speakers. 2 stereo audio inputs; 1 tape output; RCA and stereo mini-plug connectors. Bass and treble adjustments; center and rear level adjustments; adjustable delay time; test mode. Includes remote control, wall brackets, and connecting cable. FR 35 Hz-20 kHz -6 dB system. Black . . . . . \$1,700

#### ESC300 Powered Home Theater System

Complete system with 65-W powered subwoofer with 8-in driver; five 2-way magnetically-shielded satellites, each with 3-in midrange and 3/4-in titanium-dome tweeter; 200-W Dolby Pro Logic surround processor/amp built into subwoofer. Dolby Pro Logic, Music, Simulated, 3 Stereo, and Stereo modes; bass and treble adjustments; center and rear level adjustments; test mode. Includes remote control, separate remote sensor. FR 35 Hz-20 kHz system. Black. Subwoofer: 13 x 15 1/2 x 14 1/2 in; 35 lb. Satellite: 3 1/4 x 4 1/2 x 3 1/4 in; 1 lb . . . . . \$1,100

#### ESC200 Powered Home Theater System

Complete system with subwoofer with 6 1/2-in driver; five 2-way satellite speakers, each with 3-in woofer and 1-in tweeter; 100-W processor/amp with Dolby Pro Logic, Concert, Hall and Stereo modes. Full-function remote control. Includes all cables. FR 120 Hz-20 kHz sat, 35-200 Hz sub; sens 87 dB sat, 90 dB sub; imp 8 ohms sat, 6 ohms sub. Black finish. Satellite: 4 1/2 x 7 1/2 x 7 1/2 in. Subwoofer: 7 1/2 x 17 1/4 x 13 1/2 in . . . . . \$599

### Simply Cinema Series

The following have a gray or white finish (center channel available in gray only).

### SCS120 Home Theater System

6-speaker system with 150-W dual 8-in bass-reflex powered subwoofers; five 2-way video-shielded speakers, each with two 3 1/2-in neodymium midranges, one 3/4-in titanium composite-dome tweeter, and recessed wire channel. Includes wall-mounting bracket for surround and center speakers. Power handling 120 W; FR 40 Hz-20 kHz system; sens 90 dB; imp 8 ohms . . . . . \$999

### SCS115 Home Theater System

6-speaker system with 100-W powered bass-reflex subwoofer with two 6 1/2-in drivers; three 2-way magnetically shielded speakers, each with 3 1/2-in neodymium midrange, 3/4-in titanium-composite-dome tweeter, and recessed wire channel; two surround speakers, each with 3 1/2-in neodymium driver and wall-mounting brackets. Includes shelf stands for front speakers. Power handling 80 W front, 70 W surround; FR 40 Hz-20 kHz system; sens 88 dB; imp 8 ohms. Subwoofer: 8 1/2 x 14 1/4 x 19 1/4 in. Satellite: 3 1/4 x 6 1/2 x 4 1/4 in . . . . . \$799

### TLX Series

#### TLX271P 3-Way Speaker/Powered Subwoofer

Bass-reflex design with powered 8-in subwoofer with 100-W amp, 6 1/2-in mid-bass driver, 4-in midrange, and 10-mm tweeter. Line- and speaker-level input; direct Dolby Digital input. Subwoofer-level control; power control. Crossover point selectable at 120 Hz, 600 Hz, or 4 kHz; FR 30 Hz-25 kHz; sens 90 dB; imp 8 ohms. 5-yr speaker, 1-yr amp warranty. 10 1/4 x 35 1/2 x 11 1/2 in; 55 lb . . . . . \$549

# Speakers

## TLXCSS-SP1000 Home Theater System

6-piece system featuring 75-W powered subwoofer with 8-in driver; two 2-way front speakers, each with 5/8-in woofer and titanium-laminate tweeter; center channel with dual 4 1/2-in woofers and one titanium-laminate tweeter; two surround speakers, each with 4-in full-range driver. Subwoofer line- and speaker-level inputs and outputs. Subwoofer-level control; phase switch; adjustable crossover. Power handling 260 W; imp 8 ohms. Black woodgrain. 5-yr speaker and 1-yr electronics warranty. Front: 6 1/2 x 11 x 7 1/4 in; 7 lb. Center: 18 1/2 x 6 1/2 x 6 1/2 in; 10 lb. Rear: 6 1/2 x 6 x 5 1/2 in; 3 lb. Subwoofer: 14 1/4 x 13 1/2 x 15 1/2; 26 lb .....\$449

## TLX121 2-Way Bookshelf Speaker

Bass-reflex design with 6 1/2-in polymer-laminate woofer and 1/2-in ferrofluid-cooled titanium-laminate dome tweeter. 5-way binding posts. Power handling 75 W; crossover point 3 kHz; FR 55 Hz-25 kHz; sens 89 dB; imp 8 ohms. Black woodgrain finish. 5-yr warranty. 7 1/2 x 13 1/2 x 9 1/2 in; 11 lb .....\$220/pr

## TLX Center2 2-Way Center-Channel Speaker

Bass-reflex design with two 5 1/4-in polymer-laminate woofers and one 3/8-in ferrofluid-cooled titanium-laminate tweeter. Magnetic shielding; multi-angled cabinet allows for flexible placement. Power handling 100 W; crossover point 2.7 kHz; FR 90 Hz-20 kHz; sens 87 dB; imp 8 ohms. Black woodgrain finish. 5-yr warranty. 20 x 7 x 6 1/2 in; 15 lb .....\$180

## TLX151 3-Way Bookshelf Speaker

Bass-reflex design with 8-in polymer-laminate woofer, 4-in polymer-laminate midrange, and 1/2-in ferrofluid-cooled titanium-laminate dome tweeter. 5-way binding posts. Power handling 125 W; crossover points 600 Hz and 3 kHz; FR 50 Hz-25 kHz; sens 90 dB; imp 8 ohms. Black woodgrain finish. 5-yr warranty. 9 1/2 x 20 1/2 x 12 in; 22 lb .....\$180

**TLX171 3-Way Speaker.** As above, power handling 150 W; FR 35 Hz-25 kHz; sens 90 dB; imp 8 ohms. 10 1/4 x 33 1/2 x 12 1/2 in; 33 lb .....\$180

## TLX181 3-Way Speaker

Bass-reflex design with 10-in polymer-laminate woofer, 10-in polymer-laminate passive radiator, 4-in polymer-laminate midrange, and 1/2-in titanium-laminate dome tweeter. 5-way binding posts. Power handling 200 W; crossover points 600 Hz and 3 kHz; FR 30 Hz-25 kHz; sens 90 dB; imp 8 ohms. Black woodgrain finish. 5-yr warranty. 11 1/2 x 37 1/2 x 12 1/2 in; 14 lb .....\$180

## TLX Movies Center/Surround System

3-speaker system featuring one center-channel speaker with two 4 1/2-in woofers and one 2-in tweeter; two surround speakers, each with 4 1/2-in full-range woofer. Magnetic shielding on center speaker; tuned-port design. Power handling 70 W center, 35 W surround; FR 100 Hz-20 kHz center, 120 Hz-16 kHz surround. Black woodgrain finish. Center: 16 x 6 x 6 1/2 in; 9 lb. Surround: 6 1/2 x 6 x 5 1/2; 3 lb .....\$140

## TLX Center1 2-Way Center-Channel Speaker

Bass-reflex design with two 4 1/2-in woofers and one 2 1/2-in ferrofluid-cooled tweeter. Magnetic shielding. Power handling 70 W; crossover point 7.5 kHz; FR 90 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black woodgrain finish. 5-yr warranty. 18 1/2 x 6 x 5 1/2 in; 10 lb .....\$130

## TLX105 2-Way Bookshelf Speaker

Bass-reflex design with 5 1/4-in woofer and 2-in ferrofluid-cooled tweeter. Power handling 50 W; crossover point 2.2 kHz; FR 75 Hz-20 kHz; sens 86 dB; imp 8 ohms. Black woodgrain finish. 5-yr warranty. 6 1/2 x 11 x 7 1/4 in; 7 lb .....\$100/pr

## CF Series

The following have polymer-laminate woofers and midranges, and black vinyl finishes.

## CF150 3-Way Speaker

15-in woofer, 6 1/4-in midrange, and 1-in Mylar-lami-

nate tweeter. Power handling 325 W; FR 32 Hz-20 kHz; sens 98 dB; imp 8 ohms. 17 1/2 x 35 x 19 in; 62 lb .....\$500

## CF120 3-Way Speaker

12-in woofer, 4 1/2-in midrange, and 3/8-in titanium-laminate-dome tweeter. Power handling 250 W; FR 36 Hz-20 kHz; sens 96 dB; imp 8 ohms. 16 1/2 x 31 1/2 x 15 in; 50 lb .....\$350

**CF100.** As above, 10-in woofer. Power handling 175 W; FR 39 Hz-20 kHz; sens 94 dB. 12 1/2 x 27 x 11 1/4 in; 32 lb .....\$280

## In-Wall Series

The following have a Navajo-white finish.

## AS-8 2-Way In-Wall Speaker

8-in polypropylene woofer and 1-in titanium tweeter. 3-position high-frequency control switch; flush-mountable. Includes retrofit/new construction mounting bracket. Power handling 60 W; FR 35 Hz-20 kHz; sens 87 dB; imp 8 ohms. Rectangular frame. Mounting area: 15 1/2 x 11 1/2 in .....\$449/pr

## AS-6 2-Way In-Wall Speaker

6 1/2-in polypropylene woofer and 1-in titanium tweeter. Flush-mountable. Includes retrofit/new construction mounting bracket. Power handling 50 W; FR 40 Hz-20 kHz; sens 89 dB; imp 8 ohms. Rectangular frame. Mounting area: 13 x 7 1/2 in .....\$349/pr

**AS-5.** As above, 5 1/4-in polypropylene woofer. Power handling 40 W; FR 50 Hz-20 kHz; sens 88 dB. 11 1/4 x 7 1/2 in .....\$249/pr

## AS-SUB In-Wall Subwoofer

8-in polypropylene driver with dual-voice-coils. Includes retrofit/new-construction mounting bracket. Power handling 120 W; FR 32-300 Hz; sens 87 dB; imp 8 ohms. Square frame. Mounting diameter 11 1/4 in .....\$249

## AS-65C 2-Way Ceiling Speaker

Coaxial design with 6 1/2-in polypropylene-cone woofer and 1/2-in polymer-dome tweeter. Flush-mountable. Includes retrofit/new-construction mounting bracket. Power handling 50 W; FR 45 Hz-20 kHz; sens 89 dB; imp 8 ohms. Round frame. Mounting diameter: 8 1/4 in .....\$199/pr

## Control Series

The following have magnetic shielding, are available in black or white, and include built-in wall-mount brackets.

## CM62 2-Way Speaker

6 1/2-in polypropylene-cone driver and 1/2-in titanium-dome tweeter. Crossover point 3 kHz; FR 45 Hz-20 kHz; sens 89 dB; imp 6 ohms. Black. 9 1/2 x 15 1/2 x 9 1/2 in; 11 lb .....\$399/pr

## CM52AW 2-Way Outdoor Speaker

5 1/4-in polypropylene woofer and 1/2-in titanium-dome tweeter. Crossover point 4 kHz; FR 50 Hz-20 kHz; sens 89 dB; imp 6 ohms. 6 1/2 x 10 1/4 x 6 1/2 in; 8 lb .....\$319/pr

**CM52.** As above, for indoor use .....\$289/pr

## CM Center 2-Way Center-Channel Speaker

Bass-reflex design with two 4 1/2-in polypropylene-laminate woofers and one 1/2-in ferrofluid-cooled ti-

tanium-dome tweeter. Magnetic shielding. Power handling 100 W; crossover point 4.5 kHz; FR 65 Hz-20 kHz; sens 89 dB; imp 8 ohms. Black. 5-yr warranty. 13 1/2 x 6 1/2 x 6 1/2 in; 15 lb .....\$180

## CM42 2-Way Speaker

4-in polypropylene-cone woofer and 1/2-in titanium-dome tweeter. Crossover point 4 kHz; FR 60 Hz-20 kHz; sens 88 dB; imp 6 ohms. 5 1/2 x 10 x 4 in; 6 lb .....\$139

**CM42AW.** As above, for outdoor use, no magnetic shielding .....\$269/pr

## HLS Series

The following use a bass-reflex design with a 1/2-in ferrofluid-cooled polycarbonate tweeter with constant-directivity horn, magnetic shielding, and a brush satin-black finish. They carry a 5-year warranty.

## HLS810 2-Way Bookshelf Speaker

8-in injection-molded polypropylene woofer. 5-way binding posts. Power handling 150 W; crossover point 2.6 kHz; FR 50 Hz-20 kHz; sens 89 dB; imp 8 ohms. 9 1/2 x 19 1/2 x 9 1/2 in; 21 lb .....\$380

## HLS820 2-Way Speaker

Two 8-in injection-molded polypropylene woofers. Power handling 250 W; crossover point 2.6 kHz; FR 40 Hz-20 kHz; sens 90 dB; imp 8 ohms. 9 1/2 x 39 1/2 x 11 1/2 in .....\$350

## HLS610 2-Way Bookshelf Speaker

6 1/2-in injection-molded polypropylene woofer. 5-way binding posts. Power handling 125 W; crossover point 2.7 kHz; FR 55 Hz-20 kHz; sens 88 dB; imp 8 ohms. 9 x 16 1/4 x 9 1/2 in; 14 lb .....\$320/pr

## HLS620 2-Way Speaker

Two 6 1/2-in injection-molded polypropylene woofers. 5-way binding posts. Power handling 200 W; crossover point 2.7 kHz; FR 42 Hz-20 kHz; sens 89 dB; imp 8 ohms. 9 x 35 1/2 x 11 1/2 in; 35 lb .....\$300

## HLS Center 2-Way Center-Channel Speaker

Two 5 1/4-in injection-molded polypropylene woofers. 5-way binding posts. Power handling 150 W; crossover point 2.8 kHz; FR 80 Hz-20 kHz; sens 88 dB; imp 8 ohms. 20 1/2 x 7 x 6 1/2 in; 15 lb .....\$230

## HLS615 2-Way Speaker

6 1/2-in injection-molded polypropylene woofer. 5-way binding posts. Power handling 150 W; crossover point 2.7 kHz; FR 45 Hz-20 kHz; sens 88 dB; imp 8 ohms. 9 x 31 1/2 x 9 1/2 in; 28 lb .....\$230

## HLS410 2-Way Bookshelf Speaker

4-in co-injection molded woofer. Power handling 100 W; crossover point 2.6 kHz; FR 75 Hz-20 kHz; sens 87 dB; impedance 8 ohms. 8 x 6 x 6 in; 10 lb .....\$229/pr

## JBL Series

The following use a bass-reflex design.

## JBL800 2-Way Bookshelf Speaker

8-in woofer and 1/2-in ferrofluid-cooled tweeter. Power handling 100 W; crossover point 3.2 kHz; FR 52 Hz-20 kHz; sens 89 dB; imp 8 ohms. Black woodgrain finish. 5-yr warranty. 10 x 19 1/2 x 9 1/2 in; 19 lb .....\$260/pr

## JBL900 2-Way Bookshelf Speaker

6 1/2-in woofer and 1/2-in ferrofluid-cooled tweeter. Magnetic shielding. Power handling 100 W; FR 55 Hz-20 kHz; sens 89 dB; imp 8 ohms. 9 x 32 x 8 in; 25 lb .....\$259/pr

## JBL500 2-Way Bookshelf Speaker

5 1/4-in woofer and 2-in ferrofluid-cooled tweeter. Power handling 50 W; crossover point 2.2 kHz; FR 75 Hz-20 kHz; sens 86 dB; imp 8 ohms. Black woodgrain finish. 5-yr warranty. 6 1/2 x 11 x 7 1/4 in; 7 lb .....\$140/pr

## JBL Center 2-Way Center-Channel Speaker

Two 4 1/2-in woofers and one 2 1/2-in ferrofluid-

See the Directory of  
Manufacturers (page 233)  
for where to write or  
call to get product literature  
or to find a local dealer.

# Speakers

cooled tweeter. Magnetic shielding. Power handling 70 W; crossover point 7.5 kHz; FR 90 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black woodgrain finish. 5-yr warranty. 18½ x 6½ x 5½ in; 10 lb ...\$130

## Flux Series

The following have a black woodgrain finish.

### Flux20 Center/Surround System

3-speaker system with one center-channel speaker with two 4½-in woofers and one 2½-in tweeter; two surround speakers, each with 4½-in full-range woofer and ½-in tweeter; tuned-port design. Magnetic shielding on center speaker. Power handling 100 W center, 50 W surround; FR 90 Hz-20 kHz center, 100 Hz-16 kHz surround .....\$230

### Flux10 Center/Surround System

3-speaker system with one center-channel speaker with two 4½-in woofers and one 2-in tweeter; two surround speakers, each with 4½-in full-range woofer; tuned-port design. Magnetic shielding on center speaker. Power handling 70 W center, 35 W surround; FR 100 Hz-20 kHz center, 120 Hz-16 kHz surround. Center: 16 x 6 x 6½ in; 9 lb. Surround: 6½ x 6 x 5½ in; 3 lb .....\$160

## Multimedia Speakers

### Media System2000 Powered Home Theater System

Two Media2000 powered satellites and one Media Sub2000 powered subwoofer. All amplification built into subwoofer .....\$200

### Media Sub2000 Powered Subwoofer

4-in long-throw driver; 40-W amp. Magnetic shielding; digitally-powered amp to reduce heat. Auto on/off; bass control; LED power indicator. FR 40-120 Hz. Dark gray. 9¾ x 5¼ x 10½ in; 10 lb ...\$129

### Media2000 Powered Speaker

Bass-reflex design with 3-in elliptical full-range driver; 40-W amp. Neodymium magnet; magnetic shielding; digitally-powered amp to reduce heat. 1 input; subwoofer output. Auto on/off; bass and treble controls; volume control; LED power indicator; adjustable angle positioning. FR 70 Hz-20 kHz. Dark gray. 7 x 2¼ x 7¼ in; 2 lb .....\$129/pr

### Media200 2-Way Speaker

Bass-reflex design with 4-in woofer and 1-in tweeter. Magnetic shielding. 1 input; subwoofer output. Auto on/off; bass and treble controls; volume control. Power handling 20 W; FR 60 Hz-20 kHz. Dark gray. 5¼ x 10½ x 8 in; 3 lb .....\$89/pr

### Media100 Speaker

Bass-reflex design with 3-in full-range driver. Magnetic shielding. 2 inputs; subwoofer output. Auto on/off; tone and volume controls. Power handling 10 W; FR 75 Hz-20 kHz. Dark gray. 3½ x 7½ x 5¼ in; 2 lb .....\$70/pr

## JENSEN

### JHT-2000 Home Theater System

6-piece system with powered bass module with 8-in woofer and 250-W amp; center-channel speaker with 4-in woofer and 2-in neodymium tweeter; 2 front and 2 rear satellites, each with 4-in midrange and 1-in tweeter. 4 audio inputs. Bass module has auto on/off; center speaker has Infrared remote-control sensor. FR 50 Hz-20 kHz system; sens 90 dB; imp 8 ohms. Black finish .....\$500

### JHT-1000 Home Theater System

6-piece system with powered bass module with 6½-in woofer and 125-W amp; center-channel speaker with dual 4-in woofers and 2-in tweeter; 2 front satellites, each with 5¼-in woofer and 2¼-in tweeter; 2 rear satellites, each with 3½ full-range driver. 4 inputs. Dolby Pro Logic, Theater, Stereo, and Test surround modes on subwoofer amp; center infrared remote control sensor; full-function remote control. FR 55 Hz-20 kHz system; sens 90 dB; imp 8 ohms. Black .....\$400

## M Series

The following use a bass-reflex design.

### M1-P 3-Way Speaker

15-in woofer, 6½-in semi-horn midrange, and 1-in horn tweeter. 5-way binding posts. Power handling 1400 W max; crossover points 600 Hz and 2.5 kHz; FR 30 Hz-20 kHz; sens 98 dB; imp 8 ohms. Tolex laminate finish. 5-yr warranty. 20¼ x 38¼ x 16¼ in; 72 lb .....\$2,398/pr

### M1 3-Way Speaker

15-in woofer, 6½-in midrange, and 1-in horn tweeter in offset vertical array. 5-way binding posts. Power handling 1000 W max; FR 30 Hz-20 kHz; sens 98 dB; imp 8 ohms. Black. 5-yr warranty. 20¼ x 38¼ x 16¼ in; 72 lb .....\$999/pr

### M-Sub Powered Subwoofer

15-in driver; amp rated at 500 W rms. Line- and speaker-level inputs. Crossover point variable from 40-120 Hz; FR 20-120 Hz. 5-yr speaker, 1-yr amp warranty. 20¼ x 28 x 21 in; 68 lb .....\$599

### M2 3-Way Speaker

12-in woofer, 6½-in midrange, and 1-in horn tweeter. 5-way binding posts. Power handling 700 W max; crossover points 800 Hz and 2.5 kHz; FR 30 Hz-20 kHz; sens 95 dB; imp 8 ohms. Black. 5-yr warranty. 17¼ x 32 x 14 in; 50 lb .....\$599/pr

### M-Center 2-Way Center-Channel Speaker

6½-in midrange and 1-in horn tweeter. Magnetic shielding. 5-way binding posts. Power handling 500 W max; crossover point 2.5 kHz; FR 45 Hz-20 kHz; sens 93 dB; imp 8 ohms. Black. 5-yr warranty. 22 x 9¼ x 8½ in; 20 lb .....\$249

## J Series

The following carry a 5-year warranty.

### J1 3-Way Speaker

Bass-reflex design with one 15-in long-throw woofer, two 5-in midranges, and one 1-in horn tweeter. Power handling 20-150 W; FR 25 Hz-20 kHz ±3 dB; sens 94 dB; imp 8 ohms. Black oak. 17½ x 39 x 11 in; 43 lb .....\$350/pr

### J2 3-Way Speaker

Bass-reflex design with 15-in long-throw woofer, 5-in midrange, and 1-in horn tweeter. Power handling 125 W; FR 30 Hz-20 kHz ±3 dB; sens 94 dB; imp 8 ohms. Black oak. 17½ x 34 x 11 in; 34 lb ...\$298/pr

### J4 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in long-throw woofer and 1-in horn tweeter. Power handling 20-75 W; FR 50 Hz-20 kHz ±3 dB; sens 91 dB; imp 8 ohms. Black oak. 11½ x 18½ x 11 in .....\$276/pr

### J5 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in woofer and 1-in horn tweeter. Power handling 20-120 W; FR 50 Hz-20 kHz ±3 dB; sens 91 dB; imp 8 ohms. Black .....\$129/pr

### JCC 2-Way Center-Channel Speaker

Acoustic-suspension design with two 5-in midranges and one 1-in horn tweeter. Power handling 100 W; FR 100 Hz-20 kHz ±3 dB; sens 91 dB; imp 8 ohms. Black oak. 20½ x 7½ x 7½ in; 8 lb .....\$99

## JOSEPH AUDIO

### RM50si 3-Way Speaker

10-in woofer, 5-in Hexacone midrange, and 1¼-in soft-dome tweeter. Patented infinite-slope crossover with 120 dB/oct slope at 2 kHz and 50 dB/oct slope at 120 Hz; Cardas internal wiring; isolated midrange chamber. Gold-plated biampable terminals. Power handling 350 W; FR 20 Hz-20 kHz ±1.5 dB; sens 88 dB; imp 8 ohms. 13 x 46 x 20 in; 130 lb .....\$5,999/pr

### RM30si 3-Way Speaker

8-in polypropylene woofer, 5-in Hexacone midrange, and 1-in soft-dome tweeter. Patented infinite-

slope crossover with 120 dB/oct slope at 2 kHz and 50 dB/oct slope at 120 Hz; Cardas internal wiring; isolated midrange chamber. Gold-plated biampable terminals. Power handling 300 W; FR 28 Hz-20 kHz ±2 dB; sens 88 dB; imp 8 ohms. 12 x 40 x 15 in; 100 lb .....\$3,999/pr

### RM25si Signature 2-Way Speaker

Two 6½-in aluminum-cone woofers with phase plugs and one 1-in silk-fabric-dome tweeter. Patented infinite-slope crossover with 120 dB/oct slope at 2 kHz and 50 dB/oct slope at 120 Hz; Cardas internal wiring; computer-optimized vented bass loading. Power handling 250 W; FR 32 Hz-20 kHz ±2 dB; sens 86 dB; imp 8 ohms. 8½ x 46 x 11½ in; 73 lb .....\$3,299/pr

### RM25si 2-Way Speaker

6½-in aluminum woofer and 1-in silk-dome tweeter. Patented infinite-slope crossover with 120 dB/oct slope at 2 kHz; Cardas internal wiring. Bi-ampable terminals. FR 38 Hz-20 kHz ±2 dB; sens 86 dB; imp 8 ohms. 8½ x 38 x 10½ in ...\$2,299/pr

### RM7si Signature 2-Way Bookshelf Speaker

6½-in aluminum-cone with phase plug woofer and 1-in silk-fabric dome tweeter. Patented infinite-slope crossover with 120 dB/oct slope at 2 kHz; Cardas internal wiring; computer-optimized bass loading. FR 42 Hz-20 kHz ±2 dB; sens 86 dB; imp 8 ohms. 9 x 15 x 11½ in; 26 lb .....\$1,699/pr

### RM7si 2-Way Bookshelf Speaker

6½-in glass-fiber woofer and 1-in silk-dome tweeter. Patented infinite-slope crossover with 120 dB/oct slope at 2 kHz; Cardas internal wiring; computer-optimized vented bass loading. Bi-ampable terminals. Power handling 150 W; FR 45 Hz-20 kHz ±2 dB; sens 86 dB; imp 8 ohms. Black, oak, rosewood. 9 x 15 x 11½ in; 25 lb ...\$1,299/pr

### Cinergy 5.1 Home Cinema Reference 2-Way Speaker

Bass-reflex design with two 6½-in metal woofers and one 6½-in silk-dome tweeter, both magnetically shielded. Patented infinite-slope crossover with 120 dB/oct slope at 2 kHz; wide and even dispersion for clarity when placed on top of TV set. Bi-ampable input. Power handling 200 W; crossover points 150 Hz and 2 kHz; FR 38 Hz-20 kHz ±2 dB; sens 86 dB; imp 8 ohms. 5-yr warranty. 8 x 22 x 14 in; 45 lb .....\$1,249

## JPW

### SW 120 Powered Subwoofer

Bass-reflex design with 12-in driver; 120-W amp. Remote control of crossover frequency and output level. FR 20-200 Hz; sens 92 dB; imp 6 ohms. Dark gray finish. 21¼ x 19¼ x 16¼ in .....\$1,250

### SW 60 Powered Subwoofer

Bass-reflex design with 10-in driver; 60-W amp. Crossover-frequency and output-level controls. FR 20-200 Hz; sens 90 dB; imp 6 ohms. Dark gray finish. 21¼ x 15¼ x 14¼ in .....\$850

### SW 40 Powered Subwoofer

Bass-reflex design with 8-in driver; 50-W amp. Braced cabinet. Standby indicator; crossover-frequency and output-level controls. FR 20-200 Hz. Dark-gray finish. 13 x 17 x 14¼ in; 29 lb .....\$550

### CC 70 2-Way Center-Channel Speaker

Bass-reflex design with two 5¼-in woofers and one ¾-in dome tweeter. Magnetic shielding. Power handling 100 W; FR 60 Hz-22 kHz ±3 dB; sens 90 dB; imp 6 ohms. Dark gray finish and grille. 5-yr warranty. 17¼ x 7¼ x 12¼ in .....\$350

### CC 50 2-Way Center-Channel Speaker

Bass-reflex design with two 4-in woofers and one ¾-in dome tweeter. Magnetic shielding. Power handling 60 W; FR 75 Hz-22 kHz ±3 dB; sens 89 dB; imp 6 ohms. Dark gray finish and grille. 5-yr warranty. 17¼ x 6 x 12¼ in .....\$250

# Speakers

## Millennium Series

The following use a bass-reflex design, have a black or medium-cherry finish, and carry a 5-year warranty.

### ML 910 3-Way Speaker

6½-in woofer, 4-in midrange, and ¾-in dome tweeter. Biampable terminals. Power handling 120 W; FR 43 Hz-22 kHz ±3 dB; sens 90 dB; imp 6 ohms. Dark gray grille. 8¼ x 38½ x 11½ in .....\$850/pr

### ML 710 2-Way Speaker

5½-in woofer and ¾-in dome tweeter. Biampable terminals. Power handling 100 W; FR 47 Hz-22 kHz ±3 dB; sens 88 dB; imp 6 ohms. Dark gray grille. 7½ x 32¼ x 11½ in .....\$650/pr

**ML 510.** As above, bookshelf version. FR 60 Hz-22 kHz ±3 dB. 7½ x 13 x 11½ in .....\$350/pr

### ML 310 2-Way Bookshelf Speaker

4-in woofer and ¾-in dome tweeter. Biampable terminals. Power handling 60 W; FR 65 Hz-22 kHz ±3 dB; sens 87 dB; imp 6 ohms. Dark gray grille. 7½ x 32¼ x 11½ in .....\$250/pr

### ML 110 2-Way Bookshelf Speaker

4-in woofer and ½-in polymer-dome tweeter with neodymium magnet. Power handling 60 W; FR 68 Hz-22 kHz ±3 dB; sens 89 dB; imp 6 ohms. 7 x 10 x 8 in; 6 lb .....\$175/pr

## Custom Install Series

The following have paintable white finishes and include a mounting template and paint guard.

### IW 81 2-Way In-Wall Speaker

8-in woofer and 1-in dome tweeter. Power handling 100 W; sens 90 dB; imp 8 ohms. Rectangular frame. Mounting area: 10¼ x 14¼ in .....\$350/pr

### IW 61 2-Way In-Wall Speaker

6½-in woofer and 1-in dome tweeter. Power handling 80 W; sens 89 dB; imp 8 ohms. Rectangular frame. Mounting area: 8¼ x 12¼ in .....\$250/pr

### IW 51 2-Way In-Wall Speaker

5½-in woofer and 1-in dome tweeter. Power handling 60 W; sens 88 dB; imp 8 ohms. Rectangular frame. Mounting area: 7½ x 11 in .....\$199/pr

### IC 50 2-Way Ceiling Speaker

5½-in woofer and ¾-in tweeter. Power handling 60 W; sens 88 dB; imp 8 ohms. Mounting depth 8¼ in .....\$99

## JRM ENGINEERING

### Reference Powered Subwoofer/Satellite System

4-speaker system with two subwoofers, each with 18-in driver; two satellite speakers, each with four 8-in woofers, one horn midrange, and one horn tweeter; 4-way active crossover; two 750-W mono power amps. 6-band remote EQ .....\$26,100

### Monitor Powered Subwoofer/Satellite System

3-speaker system with subwoofer with 15-in driver; 2 satellites, each with 8-in woofer, 3-in midrange, and horn tweeter; amp rated at 350 W into 2 ohms. 7-way active crossover; time-aligned drivers; protection circuitry. 7 level controls. FR 18 Hz-20 kHz system .....\$8,640

As above, two subwoofers .....\$10,800

### D15A-5 Powered Subwoofer

Two 15-in woofers with proprietary alignment; amp rated at 500 W rms. 2-way active crossover; bass/midbass EQ; 10-cubic-ft enclosure. FR 19-300 Hz .....\$3,300

### S18B-5 Powered Subwoofer

18-in woofer; amp rated at 200 W rms. 2-way active crossover; bass/midbass EQ; 8-cubic-ft enclosure. FR 20-200 Hz .....\$2,500

**S15A-5.** As above with 15-in driver. FR 20-250 Hz .....\$3,100

### S18B Subwoofer

Bass-reflex design with 18-in woofer. 8-cubic-ft enclosure. Power handling 200 W; sens 95 dB; imp 8 ohms. 150 lb .....\$1,260

**S15A.** As above, 15-in driver. 6-cubic-ft enclosure. FR 30-300 ±1.5 dB; sens 92. Optional finish. 130 lb .....\$1,350

## JS AUDIO

### DC1 4-Way Speaker

Bass-reflex design with two 10-in woofers, two 4-in cone midranges, and four 1-in dome tweeters. Crossover points 400 Hz, 4 kHz and 10 kHz; FR 22 Hz-20 kHz ±2 dB; imp 8 ohms. Oak. 8 x 61 x 16 in; 100 lb .....\$5,400/pr

### Model 612P 3-Way Speaker

Bass-reflex design with two 12-in woofers, two 5-in cone midranges, and four 1-in dome tweeters. Power handling 15 W min, 350 W max; crossover points 600 Hz, 4 kHz and 10 kHz; FR 24 Hz-22 kHz ±3 dB; imp 8 ohms. Oak. 16 x 74 x 12 in; 150 lb .....\$4,800/pr

### Mesa II 3-Way Speaker

Transmission-line design with 12-in woofer, 2-in dome midrange, 1½-in and 1-in dome tweeters. Power handling 15 W min, 250 W max; crossover points 400 Hz, 3 kHz and 10 kHz; FR 25 Hz-25 kHz ±2 dB; imp 8 ohms. Oak. 16 x 33 x 15 in; 90 lb .....\$4,000/pr

### Model 415 15 5-Way Speaker

Bass-reflex design with two 15-in woofers, one 4-in cone midrange, and one 1-in dome tweeter. Power handling 15 W min, 350 W max; crossover points 300 Hz, 600 Hz, 4 kHz, 10 kHz, and 14 kHz; FR 24 Hz-22 kHz ±3 dB; imp 8 ohms. Oak. 19 x 48 x 12 in; 125 lb .....\$3,800/pr

### Model 415P 4-Way Speaker

Bass-reflex design with one 15-in woofer, one 5-in cone midrange, one 1-in dome tweeter, and two 1-in horn tweeters. Power handling 15 W min, 350 W max; crossover points 600 Hz, 4 kHz and 12 kHz; FR 22 Hz-24 kHz ±3 dB; imp 8 ohms. Oak. 9 x 36 x 12 in; 100 lb .....\$2,900/pr

### Model 412T 4-Way Speaker

Bass-reflex design with 12-in woofer, 5-in cone midrange, 1-in dome tweeter, and 1-in horn tweeter. Power handling 350 W; crossover points 600 Hz, 4 kHz, and 10 kHz; FR 24 Hz-23 kHz ±3 dB; imp 8 ohms. 8 x 33 x 16 in; 65 lb .....\$2,500/pr

**Model 412P.** As Model 412T, oak. 16 x 27 x 12 in; 75 lb .....\$2,100/pr

### Model 310N 3-Way Speaker

Bass-reflex design with two 15-in drivers, four cone midranges, and one 1-in dome tweeter. Power handling 50 W min, 200 W max; crossover points 700 Hz and 3 kHz; FR 32 Hz-22 kHz ±3 dB; imp 8 ohms. Oak. 14 x 24 x 10 in; 60 lb .....\$1,700/pr

### Model 310P 3-Way Speaker

Bass-reflex design with 10-in woofer, 5-in cone midrange, and 1-in dome tweeter. Power handling 10 W min, 200 W max; crossover points 700 Hz and 4 kHz; FR 28 Hz-22 kHz ±3 dB; imp 8 ohms. Oak. 14 x 24 x 10 in; 60 lb .....\$1,600/pr

### Model 38P 3-Way Speaker

Bass-reflex design with 8-in woofer, 3-in cone midrange, and 1-in dome tweeter. Power handling 10 W min; crossover points 700 Hz and 4 kHz; FR 32 Hz-22 kHz ±3 dB; imp 8 ohms. Oak. 12 x 19 x 10 in; 33 lb .....\$1,100/pr

### Subwoof Subwoofer

Bass-reflex design with 15-in driver. Power handling 50 W min, 250 W max; crossover point 120 Hz; FR 20-120 Hz; imp 8 ohms. Oak. 18 x 18 x 19 in; 78 lb .....\$950

### Bipolar 3-Way Surround Speaker

Bipolar design with one 6½-in woofer, two 5-in cone

midranges, and two 1-in dome tweeters. Crossover points 300 Hz and 4 kHz; FR 60 Hz-22 kHz ±2 dB; imp 6 ohms. 11 x 11 x 5 in; 20 lb .....\$900/pr

### Model 26P 2-Way Speaker

Bass-reflex design with 6-in woofer and 1-in dome tweeter. Power handling 10 W min; crossover point 2.5 kHz; FR 40 Hz-22 kHz ±3 dB; imp 8 ohms. Oak. 10 x 16 x 11 in; 23 lb .....\$650/pr

**Model 28P.** As above, 8-in woofer. FR 38 Hz-22 kHz ±4 dB; imp 8 ohms. Oak. 12 x 19 x 10 in; 25 lb .....\$650/pr

### Center 3-Way Center-Channel Speaker

Acoustic-suspension design with two 6½-in woofers, one 5-in cone midrange, and one 1-in dome tweeter. Crossover points 600 Hz and 4 kHz; FR 50 Hz-20 kHz ±2 dB; imp 6 ohms. 9 x 26 x 6 in; 25 lb .....\$600

### Model 26J 2-Way Speaker

Acoustic-suspension design with 6-in woofer and 1-in dome tweeter. Power handling 10 W min; crossover point 2.5 kHz; FR 46 Hz-21 kHz ±4 dB; imp 3 ohms. Oak. 8 x 12 x 8 in; 18 lb .....\$450/pr

## JVC

### SX-PRO3 3-Way Powered Speaker System

2 speakers, each with built-in subwoofer with 5½-in ported-cone driver; 5-in cone woofer and 1¼-in dome tweeter; 120-W amp Dolby Pro Logic processor/amp built into one speaker. Magnetic shielding. TV and aux inputs; center and rear outputs. Three 3D-phonics and Matrix DSP surround modes. Includes remote control. FR 30 Hz-20 kHz. Gray tower with cloth grille. 9½ x 40 x 15½ in .....\$800

### SX-ST1 Powered Subwoofer/Satellite System

3-speaker system featuring subwoofer with 5½-in cone woofer; 2 satellites, each with 4-in cone full-range woofer; 90-W Dolby Pro Logic processor/amp. Magnetic shielding. TV and aux inputs; center and rear outputs. Three 3D-phonics and Matrix DSP surround modes. Includes remote control and remote eye sensor. Gray sub/sat. Black metal grille on satellite. Subwoofer: 7 x 17¼ x 19 in; 25 lb. Satellite: 5½ x 8½ x 5½ in; 3 lb .....\$580

**SS-UL3.** Stands for satellites .....\$100/pr

### SX-XSW22 Home Theater System

6-speaker system featuring 80-W powered subwoofer with an 8-in down-firing driver; 5 magnetically-shielded satellite speakers. All drivers tuned-port design; circuit protected. Line- and speaker-level inputs; speaker-level outputs. Variable level and crossover control. Includes universal ball-joint wall brackets. Crossover point 150 Hz; FR 35 Hz-150 kHz ±3 dB subwoofer, 150 Hz-20 kHz ±3 dB satellite; sens 90 dB; imp 8 ohms. Black. 3-yr warranty. Center satellite: 8½ x 4½ x 3½ in; 2 lb. L/R satellites: 4½ x 5½ x 3½ in; 1 lb. Subwoofer: 12½ x 10½ x 12½ in; 24 lb .....\$500

### SX-F7TH 3-Way Speaker

Bass-reflex design with built-in subwoofer with 6½-in cone driver; 6½-in cone woofer and 1-in dome tweeter. Magnetic shielding. Speaker base. Power handling 120 W; FR 32 Hz-20 kHz; imp 8 ohms. Black with cloth grille. 3-yr carry-in parts-and-labor warranty. 9½ x 40 x 15½ in; 37 lb .....\$440/pr

### SP-X5TH Center/Surround System

3-piece system with center-channel with dual 4-in cone woofers and 2-in cone tweeter; two surround speakers, each with 4-in full-range cone driver. Bass reflex design. Magnetic shielding on center speaker. Power handling 80 W center, 40 W surround; FR 75 Hz-20 kHz center, 80 Hz-18 kHz surround; imp 8 ohms. Black with cloth grille. 3-yr carry-in parts-and-labor warranty. Center: 15 x 5½ x 6¼ in; 5 lb. Surround: 6 x 7½ x 6¼ in; 2 lb .....\$180

**SS-UL3.** Stands for surround speakers .....\$100/pr

### SPXS6BK Surround Speaker

5-in driver. Columnar design. Power handling 90

# Speakers

W; FR 50 Hz-12 kHz; sens 83 dB; Imp 8 ohms. 3-yr carry-in parts-and-labor warranty .....\$180/pr

## KEF

*Uni-Q drivers have integral, center-mounted tweeters.*

### TDM 23F 3-Way THX Speaker

Acoustic-suspension design with two 6 x 9-in woofers in separate enclosure, two 3-in mdranges, and one 1/4-in soft-dome tweeter. THX-certified; magnetic shielding. Boundary-compensation device adjusts output for TV or wall-mount placement. Includes stands. Power handling 175 W; crossover points 500 Hz and 5 kHz; FR 70 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; Imp 4 ohms. Black or white finish. 5-yr warranty. 28 x 13 x 8 in; 33 lb .....\$1,700/pr

### TDM 34DS 3-Way Dipolar Surround Speaker

4th-order dipolar acoustic-suspension design with one 6 x 9-in woofer in separate enclosure, two 6 1/2-in mdranges, and two 1/4-in soft-dome tweeters in Uni-Q assembly. THX-certified. Dipole output. Boundary-compensation device adjusts bass balance. Includes wall mount. Power handling 175 W; crossover points 200 Hz and 4 kHz; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; Imp 4 ohms. Black or white finish. 5-yr warranty. 12 x 17 x 8 in; 22 lb .....\$1,250/pr

### TDM 45B Powered Subwoofer

Acoustic-suspension design with 15-in coated-pulp-cone driver; amp rated at 300 W rms. THX-certified; magnetic shielding; high current amp with DSP. Line- and speaker-level input and output. Auto-turn on; level- and crossover-adjust; defeatable THX crossover. Crossover point variable from 50-150 Hz, 80 Hz THX; FR 35-150 Hz  $\pm 3$  dB. Black ash finish. 5-yr warranty. 18 x 18 x 20 in; 62 lb ...\$1,200

### TDM 23C 3-Way THX Center-Channel Speaker

Acoustic-suspension design with two 6 x 9-in woofers in separate enclosure, two 3-in mdranges, and one 1/4-in soft-dome tweeter. THX-certified; magnetic shielding. Boundary-compensation device adjusts output for TV or wall-mount placement. Includes wall-mount bracket. Power handling 175 W; crossover points 500 Hz and 5 kHz; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; Imp 4 ohms. Black or white finish. 10 x 28 x 8 in; 33 lb ....\$850

### Model 65DS 3-Way Dipolar Surround Speaker

Dipolar bass-reflex design with one 5-in woofer and two 3-in mdranges. Dipole surround; extended response for digital formats. Includes wall mount. Power handling 100 W; crossover point 230 Hz; FR 100 Hz-15 kHz  $\pm 3$  dB; sens 87 dB; Imp 8 ohms. Black or white finish. 9 x 14 x 7 in; 18 lb ...\$600/pr

### Model 55S 2-Way Surround Speaker

Acoustic-suspension design with 4-in woofer and 1/4-in soft-dome tweeter. Molded construction. Built-in wall mount/stand. Power handling 50 W; crossover point 3 kHz; FR 120 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; Imp 6 ohms. Matte gray or white finish. 5-yr warranty. 8 x 6 x 4 in; 4 lb .....\$200/pr

## Reference Series

### Model Four 4-Way Speaker

Two 10-in woofers, two 6 1/2-in woofers, and one 6 1/2-in midrange with 1-in silk-dome tweeter in Uni-Q assembly. Woofers in dual-coupled cavity with interport and joined by force-canceling rod. Gold-plated biampable terminals. Power handling 50 W min, 400 W max; crossover point 160 Hz, 500 Hz, and 2.8 kHz; FR 35 Hz-20 kHz  $\pm 3$  dB; sens 92 dB; Imp 4 ohms. Rosetta Burr finish. 12 x 48 x 16 in; 108 lb .....\$6,000/pr  
Black ash or rosewood finish .....\$5,500/pr

### Model Three 4-Way Speaker

Two 8-in woofers, one 6 1/2-in woofer, and one 6 1/2-in midrange with integral 1-in silk-dome tweeter in Uni-Q assembly. Twin coupled-cavity bass-loading with force-canceling rod connecting woofers.



KEF Q Series

Gold-plated biampable terminals. Power handling 50 W min, 300 W max; crossover points 150 Hz, 400 Hz, and 3 kHz; FR 40 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; Imp 4 ohms. Rosetta Burr finish. 11 x 45 x 16 in; 90 lb .....\$3,600/pr  
Black ash or rosewood finish .....\$3,400/pr

### Model Two 3-Way Speaker

Two 6 1/2-in woofers and one 6 1/2-in midrange with integral 1-in silk-dome tweeter in Uni-Q assembly. Twin coupled-cavity bass-loading with force-canceling rod connecting woofers. Gold-plated biampable terminals. Power handling 50 W min, 200 W max; crossover points 150 Hz and 3 kHz; FR 45 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; Imp 4 ohms. Rosetta Burr finish. 9 x 40 x 14 in; 50 lb .....\$2,600/pr  
Black ash or rosewood finish .....\$2,500/pr

**Model One.** As above, single woofer in single-coupled cavity. Crossover points 130 and 3 kHz; FR 55-20 kHz  $\pm 3$  dB; sens 89 dB. Rosetta Burr finish. 9 x 35 x 14 in; 40 lb .....\$2,000/pr  
Black ash or rosewood finish .....\$1,800/pr

### Model 200C 3-Way Center-Channel Speaker

Two 6 1/2-in woofers and one 6 1/2-in midrange with 1-in coincident soft-dome tweeter in Uni-Q assembly. Magnetic shielding. Power handling 30 W min, 200 W max; crossover points 400 Hz and 2.7 kHz; FR 55 Hz-20 kHz; sens 90 dB. Video-gray finish. 7 x 30 x 6 1/2 in; 24 lb .....\$1,000

### Model 100 2-Way Center-Channel Speaker

Bass-reflex design with 6 1/2-in woofer with integral 1-in ferrofluid-cooled soft-dome tweeter in Uni-Q assembly. Magnetic shielding. Power handling 175 W; FR 70 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; Imp 6 ohms. Gray. 18 x 6 1/2 x 6 1/2 in; 12 lb .....\$500

### Q-95c 2-Way Center-Channel Speaker

Single-reflex design with 6 1/2-in woofer with integral 3/4-in ferrofluid-cooled soft-dome tweeter in Uni-Q assembly. Magnetic shielding. Includes horizontal/vertical bracket mount. Power handling 150 W; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; Imp 6 ohms. Gray. 15 1/2 x 6 1/2 x 6 1/2 in; 9 lb .....\$350

## Reference A/V Series

### AV1 Powered THX Subwoofer

Two 10-in drivers; 400-W amp. THX-certified; coupled-cavity design with force-canceling rod joining driver magnets. XLR and RCA inputs; speaker-level inputs; line-level output filtered below 100 Hz; unfiltered line-level output. Blend control for phase compensation relative to satellites; variable input level and low-pass crossover point. FR 22-150 Hz  $\pm 3$  dB stereo. Rosewood finish. 22 x 16 1/2 x 19 1/2 in; 102 lb .....\$3,700  
Black ash finish .....\$3,500

### Model 70S 2-Way Surround Speaker

Acoustic-suspension design with 6 1/2-in woofer with integral 3/4-in fluid-cooled soft-dome tweeter in Uni-Q assembly. Injection-molded structural-foam enclosure; magnetic shielding. Gold-plated terminals. Wall, stand, or bracket mount. Power handling 100 W; FR 120 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; Imp 6 ohms. Gray. 6 1/2 x 10 x 4 1/2 in; 7 lb .....\$500/pr

## Q Series

*The following use a reflex-loaded design and have gold-plated biampable terminals and magnetic shielding.*

### Q-75 3-Way Speaker

6 x 9-in woofer, 6 x 9-in ABR, and 1/2-in midrange with integral 3/4-in fluid-cooled soft-dome tweeter in Uni-Q coincident-driver assembly. Power handling 175 W; FR 36 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; Imp 6 ohms. Available in rosewood or black-ash wood veneer. 39 1/2 x 9 x 11 in; 44 lb ....\$1,500/pr

### Q-65 3-Way Speaker

6 x 9-in woofer and 6 1/2-in midrange with integral 3/4-in fluid-cooled soft-dome tweeter in Uni-Q coincident-driver assembly. Power handling 175 W; FR 38 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; Imp 6 ohms. Available in rosewood or black-ash wood veneer. 36 1/2 x 9 x 11 in; 36 lb .....\$1,200/pr

### Q-55 3-Way Speaker

6 1/2-in woofer and 6 1/2-in midrange with integral 3/4-in fluid-cooled soft-dome tweeter in Uni-Q coincident-driver assembly. Power handling 150 W; FR 40 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; Imp 6 ohms. Black or mahogany. 33 1/2 x 8 1/2 x 9 1/2 in; 29 lb .....\$800/pr

### Q-35 2-Way Speaker

6 1/2-in woofer with integral 3/4-in fluid-cooled soft-dome tweeter in Uni-Q coincident-driver assembly. Power handling 100 W; FR 45 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; Imp 6 ohms. Available in black or mahogany finish. 29 1/2 x 8 1/2 x 9 1/2 in; 25 lb ...\$600/pr  
**Q-15.** As above, bookshelf version. FR 50 Hz-20 kHz  $\pm 3$  dB. 12 1/4 x 8 1/2 x 9 1/2 in; 12 lb .....\$350/pr

## Monitor Series

*The following have gold-plated biampable terminals and red, cherry, or gray lacquer finishes.*

### RDM Two 2-Way Bookshelf Speaker

Reflex-loaded design with 6 1/2-in woofer with integral 1-in ferrofluid-cooled soft-dome tweeter in Uni-Q assembly. Magnetic shielding. Power handling 175 W; FR 75 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; Imp 6 ohms. 13 x 9 1/2 x 10 in; 80 lb ....\$1,200/pr

### RDM One 2-Way Bookshelf Speaker

Acoustic-suspension design with 6 1/2-in woofer with integral 1-in ferrofluid-cooled soft-dome tweeter in Uni-Q assembly. Power handling 125 W; FR 85 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; Imp 6 ohms. 11 1/2 x 9 1/2 x 8 1/2 in; 31 lb .....\$900/pr

## Home Theater Series

*The following have magnetic shielding.*

### Model 35b Powered Subwoofer

Acoustic-suspension design. 12-in driver; 100-W amp. Variable crossover; line- and speaker-level inputs; filter outputs. Auto turn-on; switchable music/video response modes; phase control switch; bicolor LED status indicator. FR 40-150 Hz. Black ash finish. 14 1/2 x 15 1/2 x 16 1/2 in; 30 lb .....\$700

### Model 25b Powered Subwoofer

Acoustic-suspension design with 10-in driver; 75-W amp. Video electronic crossover. Line- and speaker-level inputs; filtered outputs. Auto turn-on; phase-control switch; front-panel LED indicator. FR 40-150 Hz. Video-gray finish. 12 x 12 x 12 in; 21 lb .....\$499

### Model 60S 2-Way Speaker

Bass-reflex design with 5 1/4-in woofer and 3 1/2-in midrange with integral fluid-cooled tweeter in Uni-Q assembly. Power handling 10 W min, 60 W max; FR 100 Hz-20 kHz; sens 89 dB. Gray or white finish. 9 1/2 x 6 x 8 1/2 in; 4 lb .....\$320/pr

### Model 80C 2-Way Center-Channel Speaker

Bass-reflex design with 5 1/4-in woofer and 3 1/2-in midrange with integral fluid-cooled tweeter in Uni-Q assembly. Power handling 10 W min, 75 W max; FR 80 Hz-20 kHz; sens 89 dB. Video-gray finish. 6 x 17 1/2 x 6 1/2 in; 6 lb .....\$200

## Custom In-Wall Series

### Ci-200QT 2-Way Ceiling Speaker

8-in Kevlar-composite woofer and 1-in soft-dome

# Speakers

tweeter in Uni-Q assembly. Motor-driven tilt-down ceiling-mount housing for retractable operation. Power handling 150 W max; crossover point 3.5 kHz; FR 50 Hz-20 kHz; sens 90 dB; imp 8 ohms .....\$500

## Ci-200Q 2-Way In-Wall Speaker

8-in Kevlar-composite woofer with integral 1-in soft-dome tweeter in Uni-Q assembly. Power handling 150 W max; crossover point 3.5 kHz; FR 50 Hz-20 kHz; sens 90 dB; imp 8 ohms. Round or square bezel .....\$300

## Ci-130DS 2-Way In-Wall Surround Speaker

One 5/4-in Kevlar-composite woofer and two 3/2-in Kevlar-composite dual-cone mid/high-frequency drivers. Jumper-configurable bipole or dipole radiation pattern. Power handling 80 W max; FR 75 Hz-16 kHz; imp 4 ohms .....\$275

## Ci-160Q 2-Way In-Wall Speaker

6 1/2-in Kevlar-composite woofer with integral 3/4-in soft-dome tweeter in Uni-Q assembly. Power handling 100 W max; crossover point 3.5 kHz; FR 60 Hz-20 kHz; sens 87 dB; imp 8 ohms. Round or square bezel .....\$250

## Ci-130Q 2-Way In-Wall Speaker

5 1/4-in Kevlar-composite woofer with Integral 3/4-in soft-dome tweeter in Uni-Q assembly. Power handling 80 W max; crossover point 3.5 kHz; FR 75 Hz-20 kHz; sens 86 dB; imp 8 ohms. Round or square bezel .....\$175

## Ci-160F In-Wall Speaker

6 1/2-in Kevlar-composite dual-cone driver. Power handling 100 W max; FR 60 Hz-16 kHz; sens 87 dB; imp 8 ohms. Round or square bezel .....\$100

## Ci-130F In-Wall Speaker

5 1/4-in Kevlar-composite dual-cone driver. Power handling 80 W max; FR 75 Hz-16 kHz; sens 86 dB; imp 8 ohms. Round or square bezel .....\$90

## KENWOOD

### HTB-401 Powered Home Theater System

System powered by 300-W Dolby Digital receiver. 2 main speakers, each with two 4-in woofers and one 1 1/2-in tweeter; center speaker with 4-in full-range driver; 2 surround speakers, each with 4-in full-range driver; powered subwoofer with 8-in woofer, 100-W amp, active crossover, and EQ. Receiver with PCM auto detection, crystal semiconductor 20-bit A/D and D/A converters, and KAM-1 amp design. 3 composite-video inputs; coaxial and optical digital inputs; composite-video output; line-level front-, center-, and subwoofer-channel outputs; video monitor output. Dolby Digital and Dolby Pro Logic modes; 3 user-programmable macros; proprietary Input deletion and renaming on remote control and front panel. FR 40 Hz-20 kHz .....\$600

**HTB-301.** As above, 600-W receiver; no Dolby Digital or PCM; no crystal semiconductor 20-bit A/D and D/A converters; cable TV audio reception ready .....\$600

**HTB-201.** As HBT-301 without line-level front-, center-, and subwoofer-channel outputs on receiver; not cable-TV ready; 4-in woofer and 2-in tweeter for each main speaker; passive bass-reflex subwoofer .....\$400

### KVS-400 3-Way Speaker

Bass-reflex design with 8-in woofer, 4-in polypropylene-cone midrange, and 3/4-in tweeter. Multi-element crossover network; magnetic shielding. 5-way binding posts. Power handling 140 W; FR 40 Hz-20 kHz; imp 8 ohms. Black. 11 x 38 x 1 1/2 in; 35 lb .....\$350/pr

### Model 1050SW Powered Subwoofer

Bass-reflex design with 12-in driver; 150-W amp. Sigma Servo; clipping indicator; auto crossover filter slopes. Line-level input; speaker-level inputs and outputs for left and right speakers. 2 listening modes (music, movies); phase switch; motorized

variable-output-level control; auto power on/off. Includes remote control. Crossover point variable from 50-200 Hz; FR 30-200 Hz. Black ash .....\$350

**Model 103SW.** As above, 12-in woofer and 100 W amp; FR 35-200 Hz .....\$250

### KVS-300 3-Way Speaker

Bass-reflex design with 8-in woofer, 4-in polypropylene-cone midrange, and 3/4-in tweeter. Multi-element crossover network; magnetic shielding. 5-way binding posts. Power handling 120 W; FR 45 Hz-20 kHz; imp 8 ohms. Black. 11 x 35 1/2 x 1 1/2 in; 30 lb .....\$250/pr

### KVS-200 2-Way Speaker

Bass-reflex design with 6 1/2-in woofer and 3/4-in tweeter. Multi-element crossover network; magnetic shielding. Power handling 100 W; FR 55 Hz-20 kHz; imp 8 ohms. Black. 8 3/4 x 17 3/4 x 8 3/4 in; 14 lb .....\$170/pr

### CRS-300 Center/Surround System

3-piece system featuring one magnetically shielded center speaker with two 4-in full-range drivers; two surround speakers, each with 4-in full-range driver. Acoustic-suspension design for each speaker. Surround speakers are wall-mountable. Power handling 100 W center, 40 W surround. Black ash .....\$100

## KINETIC AUDIO

### Stat Classic 2-Way Bookshelf Speaker

Tapered-line design with two 6 1/2-in mineral-filled-polymer woofers with rubber surrounds; one 1 1/2-in silk soft-dome tweeter. MDF construction. Bi-ampable/triampable terminals. Tweeter level control; removable rounded grille. Power handling 100 W; crossover points 750 Hz and 3 kHz; FR 34 Hz-22 kHz  $\pm 3$  dB; sens 93 dB; imp 4 or 6 ohms. Oak or walnut wood veneer. 12 x 20 x 9 in; 50 lb .....\$2,800/pr

### Direct 3-Way Speaker

Tapered-line design with 12-in mineral-filled polymer cone with rubber surround, 2-in dome midrange, and 1-in fabric double-magnet soft-dome tweeter. MDF construction. Biampable terminals. Midrange- and tweeter-level controls. Power handling 150 W; crossover points 1 and 5 kHz; FR 20 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 4 or 8 ohms. Black-oak or natural clear-oak veneer. 15 x 40 x 15 in; 125 lb .....\$2,500/pr

### Rex 3-Way In-Wall Speaker

12-in mineral-filled polymer woofer, 2-in midrange, and 1 1/2-in dome tweeter, all linear-phase arranged. Tweeter cooled and damped with magnetic liquid; mirror-imaging. Biampable terminals. Level controls. Power handling 200 W max; crossover points 750 Hz and 5 kHz; FR 18 Hz-22 kHz  $\pm 2.5$  dB; sens 91 dB; imp 8 ohms. 13 x 26 x 6 in; 35 lb .....\$1,800/pr

### Trapezoid Subwoofer

12-in mineral-filled polymer dual-voice-coil driver. Gold-plated biampable 5-way binding posts; woofer-bypass terminals. Power handling 350 W max; crossover point 90 Hz; FR 16 Hz-2 kHz  $\pm 2$  dB; sens 92 dB; imp 2, 4, or 8 ohms. Walnut, oak-veneer, or black finish. 16 x 40 x 14 in; 110 lb .....\$1,200

As above, utility finish and without grille. 15 x 40 x 15 in .....\$900

### Imprimis Subwoofer

Vented design with 12-in mineral-filled polypropylene dual-voice-coil driver. Gold-plated biampable 5-way binding posts; woofer-bypass terminals. Power handling 350 W max; crossover point 90 Hz; FR 18 Hz-2 kHz  $\pm 3$  dB; sens 93 dB; imp 2, 4, or 8 ohms. Walnut, oak-veneer, or black finish. 15 x 26 x 15 in; 85 lb .....\$1,000

As above, utility finish without grille .....\$850

### Alternative 3-Way Speaker

Woofer, tweeter, and supertweeter. Tower with attached base design. Power handling 100 W; FR 20 Hz-20 kHz  $\pm 3$  dB; sens 92 dB; imp 8, 6, or 2

ohms. Walnut, oak-veneer, or black finish. 15 x 38 x 12 in .....\$800

### Stat 2-Way In-Wall Speaker

6 1/2-in mineral-filled polymer woofer and 1 1/2-in dome tweeter. Dome tweeter is cooled and damped with magnetic liquid and has replaceable voice coil; nonresonant 1-in-thick MDF baffle/panel. Level control. Power handling 100 W max; crossover point 2 kHz; FR 36 Hz-20 kHz  $\pm 2.5$  dB; sens 90 dB; imp 8 ohms. Several colors available finish. 9 x 14 x 3 3/8 in; 19 lb .....\$800/pr

### Alternative Subwoofer

Tower with attached base design. Power handling 100 W; sens 92 dB; imp 8, 6, or 2 ohms. Walnut, oak-veneer, or black finish .....\$700

### Elective In-Wall Subwoofer

12-in mineral-filled-polymer dual-voice-coil driver. 90 Hz passive crossovers with bypass terminals. Power handling 150 W max; FR 20 Hz-2 kHz  $\pm 2.5$  dB; sens 91 dB; imp 2, 4, or 8 ohms. Several colors available. 19 lb .....\$500

**3-Point Crossover.** Low-pass passive-mono crossover that may be built into Kinetic Audio subwoofers. Crossover points 60, 90, and 180 Hz. Mid/high-pass filter. Level control .....\$250

**4-Point Crossover.** 60, 90, 180, 350 Hz ....\$250

## Inclusive Series

The following have a 6 1/2-in mineral-filled-polymer midrange with inverted rubber surrounds, a 1- to 2-in MDF enclosure, biampable terminals, and level controls. They carry a 5-year limited warranty. Several veneer finishes are available.

### Standard 5-Way Speaker

Two 12-in mineral-filled-polymer woofers with rubber surrounds and three metal-dome tweeters, 2, 1 1/2, and 1 in. Includes stands. Power handling 250 W; crossover points 45, 65, 75, 90 Hz, 1, 4, or 10 kHz; FR 14 Hz-22 kHz  $\pm 2$  dB; sens 90 dB; imp 2, 4, or 8 ohms. 18 x 78 1/2 x 22 in; 405 lb .....\$20,000

### Labyrinth 4-Way Speaker

One 12-in mineral-filled-polymer woofers with rubber surround and two metal-dome tweeters, 2 and 1 in. Power handling 150 W; crossover points 90 Hz, 1 kHz, or 5 kHz; FR 18 Hz-22 kHz  $\pm 2.5$  dB; sens 91 dB; imp 2, 4, or 8 ohms. 15 x 52 1/2 x 18 in; 245 lb .....\$12,000

## Purist Series

The following have rounded sides, a vented design, liquid tweeter cooling/damping, cross-vented magnet structures, a linear-phase driver arrangement in mirror-image pairs, front-panel fuse protection, bypass for electronic crossovers, and level controls. They have oak, walnut-veneer, or black finishes.

### Nonpareil 5-Way Speaker

12-in mineral-filled polymer-cone woofer, 6 1/2-in mineral-filled polymer-cone woofer, 2-in dome midrange, 1 1/2-in dome tweeter, and 1-in super-tweeter. Gold-plated biampable 5-way binding posts. Stands, pointed stems, and casters are included. Power handling 200 W max; crossover point selectable at 60 Hz, 90 Hz, 180 Hz, or 5 kHz; FR 12 Hz-22 kHz  $\pm 2$  dB; sens 90 dB; imp 6 ohms. 15 x 60 x 22 in; 365 lb .....\$15,000/pr

### Ethereal 4-Way Speaker

12-in mineral-filled polymer-cone woofer, 6 1/2-in mineral-filled polymer-cone woofer, 2-in dome midrange, and 1-in dome tweeter. Gold-plated biampable/triampable 5-way binding posts. Stands, pointed stems, and casters are included. Power handling 200 W max; crossover point selectable at 90 Hz, 180 Hz, 500 Hz, or 750 Hz; FR 16 Hz-22 kHz  $\pm 2$  dB; sens 90 dB; imp 6 ohms. 15 x 54 x 20 in; 250 lb .....\$11,000/pr

### Refined 4-Way Speaker

12-in mineral-filled polymer-cone woofer, 6 1/2-in

# Speakers

mineral-filled polymer-cone woofer, 2-in midrange, and 1-in dome tweeter. Gold-plated biampable/triampable 5-way binding posts. Stands, pointed stems, and casters are included. Power handling 200 W max; crossover point selectable at 90 Hz, 180 Hz, 750 Hz, or 1 kHz; FR 18 Hz-22 kHz; imp 8 ohms. 15 x 48 x 16 in; 170 lb .....\$8,500/pr

## Inversion 3-Way Speaker

12-in mineral-filled polymer-cone woofer, 2-in dome midrange, and 1-in titanium-dome tweeter. Gold-plated biampable/triampable 5-way binding posts. Power handling 200 W max; crossover point selectable at 750 Hz, 1 kHz, 7 kHz, and 9 kHz; FR 18 Hz-22 kHz  $\pm 2$  dB; sens 92 dB; imp 8 ohms. 15 x 40 x 15 in; 95 lb .....\$6,000/pr

## Exception 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in mineral-filled polymer-cone woofer and 1 $\frac{1}{4}$ -in dome tweeter. Gold-plated biampable 5-way binding posts. Power handling 100 W max; crossover points 1.8 and 2.8 kHz; FR 38 Hz-22 kHz  $\pm 2$  dB; sens 93 dB; imp 8 ohms. 10 x 26 x 10 in; 45 lb .....\$4,000/pr

## Original Series

*The following have a linear-phase driver arrangement in mirror-image pairs, rounded side panels, a TATL vented design, and an oak or walnut veneer or black finish.*

## Standard 5-Way Speaker

Vented design with two 12-in mineral-filled polymer woofers, one 6 $\frac{1}{2}$ -in mineral-filled polymer-cone woofer, one 2-in dome midrange, one 1 $\frac{1}{2}$ -in dome tweeter, and one 1-in dome supertweeter. Gold-plated 5-way binding posts. Power handling 200 W max; crossover points 60 Hz, 90 Hz, 500 Hz, 3 kHz, and 7 kHz; FR 12 Hz-22 kHz  $\pm 2$  dB; sens 91 dB; imp 6 ohms. 18 x 72 x 22 in; 265 lb .....\$14,000/pr

## Trapezium 5-Way Speaker

12-in mineral-filled polymer woofer, 6 $\frac{1}{2}$ -in mineral-filled polymer-cone woofer, 2-in dome midrange, 1 $\frac{1}{2}$ -in liquid-cooled-and-damped dome tweeter, and one 1-in dome supertweeter. Biampable terminals. Level controls. Power handling 200 W max; crossover points 90 Hz, 750 Hz, 3.5 kHz, and 9 kHz; FR 12 Hz-22 kHz  $\pm 2$  dB; sens 90 dB; imp 6 ohms. 15 x 72 x 20 in; 250 lb .....\$12,000/pr

## Labyrinth 4-Way Speaker

12-in mineral-filled polymer woofer, 6 $\frac{1}{2}$ -in mineral-filled polymer-cone woofer, 2-in dome midrange, and 1 $\frac{1}{2}$ -in liquid-cooled-and-damped synthetic-dome tweeter. Biampable terminals. Level controls. Power handling 200 W max; crossover points 180 Hz, 750 Hz, and 7 kHz; FR 16 Hz-22 kHz  $\pm 2$  dB; sens 90 dB; imp 6 ohms. 15 x 48 x 18 in; 195 lb .....\$9,000/pr

## Trapezoid 4-Way Speaker

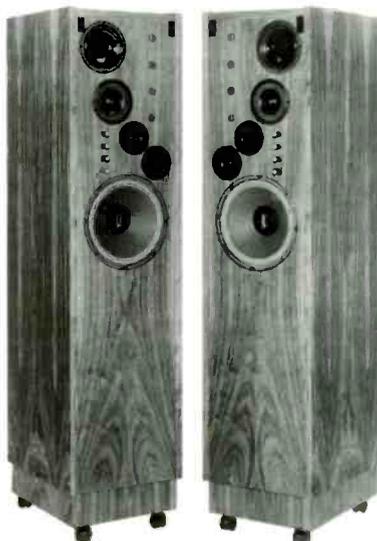
12-in mineral-filled polymer woofer, 6 $\frac{1}{2}$ -in mineral-filled polymer-cone midrange, 1 $\frac{1}{2}$ -in dome tweeter, and 1-in liquid-cooled-and-damped dome supertweeter. Biampable terminals. Level controls. Power handling 200 W max; crossover points 180 Hz, 2 kHz, and 9 kHz; FR 18 Hz-22 kHz  $\pm 2$  dB; sens 91 dB; imp 8 ohms. 15 x 40 x 15 in; 135 lb .....\$7,000/pr

## Identity (Impulse) 3-Way Speaker

12-in mineral-filled polymer woofer, 6 $\frac{1}{2}$ -in mineral-filled polymer-cone midrange, and 1 $\frac{1}{2}$ -in liquid-cooled-and-damped dome tweeter. Biampable terminals. Level controls. Power handling 200 W max; crossover points 180 Hz and 2.5 kHz; FR 18 Hz-22 kHz  $\pm 2.5$  dB; sens 91 dB; imp 8 ohms. 15 x 26 x 15 in; 135 lb .....\$5,000/pr

## Stat Miniature Monitor 2-Way Bookshelf Speaker

6 $\frac{1}{2}$ -in mineral-filled-polymer woofer and 1 $\frac{1}{4}$ -in liquid-cooled-and-damped dome tweeter. Biampable terminals. Level control. Power handling 100 W max; crossover point 2 kHz; FR 38 Hz-22 kHz  $\pm 2.5$  dB; sens 90 dB; imp 6 ohms. 9 x 15 x 9 in; 50 lb .....\$3,000/pr



*Kinetic Audio Trapezium*

## Home Theater MultiMedia Series

*The following are available with rounded or square sides and clear or black-oak-veneer panels.*

## Exclusive 4-Way Speaker

Vented design with 12-in mineral-filled-polymer woofer with rubber surround; 6 $\frac{1}{2}$ -in mineral-filled-polymer midrange with rubber surround; 2-in dome mid/tweeter; 1-in tweeter. 1-in MDF enclosure. Biampable terminals. Level controls for midrange and tweeters. Power handling 150 W; crossover points 1 and 5 kHz; FR 20 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 2, 4, or 8 ohms. 15 x 40 x 15 in; 135 lb .....\$3,500/pr

## Exemplar 4-Way Speaker

12-in mineral-filled-polymer woofer, 6 $\frac{1}{2}$ -in mineral-filled polymer-cone woofer, 2-in dome midrange, and 1-in dome tweeter. Power handling 150 W max; crossover points 350 Hz, 1 kHz, and 6 kHz; FR 20 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. 15 x 44 x 15 in; 115 lb .....\$3,500/pr

## Efficiency Tower 3-Way Speaker

12-in mineral-filled-polymer woofer, 2-in dome midrange, and 1-in dome tweeter. Power handling 150 W max; FR 25 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. 15 x 38 x 12 in; 80 lb .....\$2,100/pr

## Traditional 2-Way Speaker

Adjustable open- or closed-vent design with 12-in mineral-filled-polymer woofer and 1-in dome tweeter. Power handling 150 W max; crossover point 2 kHz; FR 30 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. 15 x 25 x 12 in; 50 lb .....\$1,500/pr

## Nouveau 2-Way Bookshelf Speaker

Bass-reflex design with 8-in or 6 $\frac{1}{2}$ -in woofer and 1-in liquid-cooled damped-dome tweeter. Replaceable tweeter voice-coil; flush driver mounting. Power handling 100 W max; crossover point 2.5 kHz; FR 38 Hz-20 kHz  $\pm 2.5$  dB; sens 95 dB; imp 6 ohms. 10 x 16 x 8 in; 38 lb .....\$950/pr

## Event 2-Way Bookshelf Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in mineral-filled-polymer woofer and 1-in dome tweeter. Flush driver mounting. Power handling 80 W max; crossover point 2.5 kHz; FR 48 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 6 ohms. 8 x 12 x 7 in; 25 lb .....\$850/pr

## KLH

### Model 82T 3-Way Speaker

Tuned-port design with two 7-in polypropylene woofers, one 3-in soft-dome midrange, and one 1-

in dome tweeter. Gold-plated 5-way binding posts. Power handling 250 W max; crossover points 200 Hz, 800 Hz, and 3 kHz; FR 35 Hz-20 kHz; sens 87 dB; imp 6 ohms. Simulated oak or black woodgrain finish. 9 x 38 x 11 $\frac{1}{4}$  in; 47 lb .....\$450  
**Model 62T.** As above, 5 $\frac{1}{4}$ -in cone midrange ...\$350

## ASW12-120 Powered Subwoofer

Bass-reflex design with front-firing 12-in paper-cone driver; amp rated at 120 W rms. Line- and speaker-level inputs. Power, volume, auto shut-off, crossover-frequency, and phase controls. Crossover point adjustable from 50-200 Hz; FR 24-200 Hz. Black finish. 18 x 21 $\frac{3}{4}$  x 16 in; 55 lb .....\$400  
**ASW10-100.** As above, front-firing 10-in paper-cone driver; 100-W amp. FR 30-200 Hz. 13 $\frac{3}{4}$  x 16 $\frac{1}{4}$  x 16 $\frac{1}{4}$  in; 40 lb .....\$300

## AV1001 2-Way Satellite Speaker

5 $\frac{1}{4}$ -in paper-cone woofer and  $\frac{3}{4}$ -in liquid-cooled dome tweeter. Magnetic shielding. Power handling 5-100 W; FR 80 Hz-20 kHz; imp 8 ohms. Black finish. 6 $\frac{1}{2}$  x 10 $\frac{1}{2}$  x 6 $\frac{1}{2}$  in; 16 lb .....\$100/pr

## Model 46 3-Way Satellite Speaker

4-in polypropylene-cone woofer, 1 $\frac{1}{4}$ -in polycarbonate-cone midrange, and  $\frac{3}{4}$ -in Mylar piezo-dome tweeter. Cast-polystyrene enclosure. Includes antique-white mounting bracket. Power handling 5-40 W; FR 90 Hz-20 kHz; sens 85 dB; imp 4 or 6 ohms. Antique white. 5 $\frac{1}{2}$  x 8 $\frac{1}{2}$  x 5 $\frac{1}{2}$  in .....\$99/pr  
**Model 45B.** As above, black .....\$99/pr

## Model 270A 3-Way Outdoor Speaker

4-in polypropylene-cone woofer, 1 $\frac{1}{4}$ -in polycarbonate-cone midrange, and  $\frac{3}{4}$ -in Mylar piezo-dome tweeter. Weather-resistant enclosure. Includes mounting brackets and hardware. Power handling 5-40 W; FR 90 Hz-20 kHz; imp 4 or 6 ohms. Black. 4 $\frac{1}{2}$  x 7 $\frac{1}{2}$  x 4 $\frac{1}{2}$  in; 6 lb .....\$50/pr

## Home Theatre Systems

### HTA-510 Home Theater System

6-piece system with 100-W powered subwoofer with 10-in driver; one magnetically-shielded center speaker with two 3 $\frac{1}{2}$ -in fiber-cone woofers and one  $\frac{3}{4}$ -in dome tweeter; 4 matching magnetically-shielded satellite speakers, each with two 3 $\frac{1}{2}$ -in fiber-cone woofers and one  $\frac{3}{4}$ -in dome tweeter. Subwoofer line- and speaker-level inputs. Subwoofer power, volume, auto shut-off, crossover-frequency, and phase controls. Includes connection cable. Power handling 100 W; crossover point adjustable from 50-200 Hz; FR 28 Hz-20 kHz system; imp 8 ohms. Black finish .....\$500

### HTA-810 Home Theater System

6-piece system with 100-W powered subwoofer with 10-in driver; one magnetically-shielded center speaker with two 3 $\frac{1}{2}$ -in fiber-cone woofers and one  $\frac{3}{4}$ -in dome tweeter; 4 magnetically-shielded satellite speakers, each with 3 $\frac{1}{2}$ -in fiber-cone woofer and  $\frac{3}{4}$ -in dome tweeter. Subwoofer line- and speaker-level inputs. Subwoofer power, volume, auto shut-off, crossover-frequency, and phase controls. Power handling 100 W; crossover point adjustable from 50-200 Hz; FR 30 Hz-20 kHz system; imp 8 ohms. Black finish. Subwoofer: 13 $\frac{3}{4}$  x 16 $\frac{1}{4}$  x 16 $\frac{1}{4}$  in. Center: 12 $\frac{1}{2}$  x 4 $\frac{1}{4}$  x 5 in. Satellite: 4 $\frac{1}{4}$  x 7 x 5 $\frac{1}{2}$  in .....\$450

### HTA-809 Home Theater System

6-piece system with 80-W powered subwoofer with 8-in driver; one magnetically-shielded center speaker with two 3 $\frac{1}{2}$ -in woofers and one  $\frac{3}{4}$ -in dome tweeter; four magnetically-shielded satellite speakers, each with 3 $\frac{1}{2}$ -in fiber-cone woofer and  $\frac{3}{4}$ -in dome tweeter. Subwoofer line- and speaker-level inputs. Subwoofer power, volume, auto shut-off, crossover-frequency, and phase controls. Includes brackets for satellites. Power handling 5-100 W; crossover point adjustable from 50-200 Hz; FR 35 Hz-20 kHz system; imp 8 ohms. Black finish. Subwoofer: 11 x 13 $\frac{1}{2}$  x 13 $\frac{1}{2}$  in. Center: 12 $\frac{1}{2}$  x 4 $\frac{1}{4}$  x 5 in. Satellite: 4 x 6 $\frac{1}{2}$  x 5 in .....\$400

# Speakers

## Professional Series

The following have radius-edged cabinets with a black woodgrain vinyl finish.

### Model 71 4-Way Speaker

Dual-ported bass-reflex design with 15-in paper-cone woofer, 5/4-in cone midrange, 3-in Kapton tweeter, and 1-in dome tweeter. Power handling 5-350 W; crossover points 900 Hz and 2.8 kHz; FR 20 Hz-20 kHz; sens 92 dB; imp 8 ohms. 5-yr parts-and-labor warranty. 18 1/2 x 37 1/2 x 12 in; 58 lb .....\$270

### Model 51 3-Way Speaker

Acoustic-suspension design with 12-in polymer woofer, 12-in polymer passive radiator, 5/4-in midrange, and 1-in dome tweeter. Power handling 5-325 W; crossover points 900 Hz and 2.8 kHz; FR 20 Hz-22 kHz; sens 90 dB; imp 8 ohms. 15 1/4 x 42 1/2 x 11 1/4 in; 50 lb .....\$250

### Model 41 3-Way Speaker

Vented design with 12-in polymer woofer, 5/4-in midrange, and 1-in dome tweeter. Power handling 5-290 W; crossover points 900 Hz and 2.8 kHz; FR 24 Hz-22 kHz; sens 90 dB; imp 8 ohms. 5-yr parts-and-labor warranty. 15 1/4 x 29 x 11 1/4 in; 37 lb .....\$200

### Model 21 2-Way Bookshelf Speaker

Vented design with 8-in polypropylene woofer and 1-in dome tweeter. Magnetic shielding. Power handling 5-120 W; crossover point 2.8 kHz; FR 50 Hz-22 kHz; sens 88 dB; imp 8 ohms. 5-yr parts-and-labor warranty. 9 x 15 1/2 x 8 1/2 in; 27 lb .....\$200/pr

### Model 311 3-Way Bookshelf Speaker

Vented design with 8-in polypropylene woofer, 5/4-in midrange, and 1/2-in polycarbonate tweeter. Magnetic shielding. Power handling 5-140 W; FR 50 Hz-20 kHz; sens 89 dB; imp 8 ohms. 11 x 22 1/2 x 10 in; 44 lb .....\$200/pr

## Video Series

The following have magnetic shielding and a black textured-vinyl finish.

### V-354 2-Way Center-Channel Speaker

Four 5-in cast-polypropylene woofers and one 1-in titanium-dome tweeter. Power handling 175 W max; crossover points 700 Hz, 1.9 kHz, and 3 kHz; FR 90 Hz-20 kHz; sens 86 dB; imp 8 ohms. 25 x 6 1/2 x 8 in .....\$250

### V-41 2-Way Speaker

Four 5-in cast-polypropylene woofers and one 1-in ferrofluid-cooled aluminum-dome tweeter. Power handling 175 W max; crossover points 700 Hz, 1.9 kHz, and 3 kHz; FR 90 Hz-20 kHz; sens 86 dB; imp 8 ohms. 6 1/2 x 40 x 8 in .....\$250

### V-02 2-Way Satellite Speaker

Vented design with 4 1/2-in cast-polypropylene woofer and 1-in aluminum-dome tweeter. Power handling 5-100 W; FR 80 Hz-20 kHz; sens 86 dB; imp 8 ohms. 5-yr, parts and labor warranty. 6 1/2 x 11 1/4 x 8 1/4 in; 21 lb .....\$230/pr

## Series II

The following use a vented design with a 5/4-in liquid-cooled paper-cone midrange and one 1-in liquid-cooled dome tweeter. They have magnetic shielding, come in a black or light-oak woodgrain-vinyl finish, and carry a 5-year parts-and-labor warranty.

### Model 283A 3-Way Speaker

Two 8-in polypropylene woofers. Power handling 5-250 W; crossover points 900 Hz and 2.8 kHz; FR 25 Hz-22 kHz; sens 90 dB; imp 8 ohms. 10 1/2 x 36 x 11 in; 36 lb .....\$230

### Model 83A 3-Way Bookshelf Speaker

8-in polypropylene woofer. Power handling 5-140 W; crossover points 900 Hz and 2.8 kHz; FR 50 Hz-20 kHz; sens 89 dB; imp 8 ohms. 10 1/2 x 21 x 11 1/4 in; 23 lb .....\$230/pr

### Model 183A 3-Way Speaker

8-in polypropylene woofer. Power handling 5-200 W; crossover points 900 Hz and 2.8 kHz; FR 35 Hz-22 kHz; sens 90 dB; imp 8 ohms. 10 1/2 x 36 x 11 in; 37 lb .....\$200

## Platinum Series

The following have a 1/2-in liquid-cooled dome tweeter, magnetic shielding, and a black finish. They carry a 3-year parts-and-labor warranty.

### Model 325 2-Way Satellite Speaker

Two 3 1/2-in paper-cone woofers. Includes mounting brackets. Power handling 5-125 W; FR 80 Hz-20 kHz; sens 88 dB; imp 8 ohms. 5 1/2 x 12 1/4 x 6 in; 10 lb .....\$150/pr

### Model 525 2-Way Center-Channel Speaker

Four 3 1/2-in paper-cone woofers. Power handling 5-125 W; FR 80 Hz-20 kHz; sens 88 dB; imp 8 ohms. 19 1/2 x 5 1/2 x 5 1/2 in; 9 lb .....\$150

## KLIPSCHE

### KSP 400 3-Way Speaker/Powered Subwoofer

Acoustic-suspension design with built-in powered subwoofer with 15-in driver and 200-W amp; speaker section with two 6 1/2-in midranges and one 1-in horn tweeter. Line- and speaker-level inputs. Subwoofer-level control; bass EQ. Includes brass spike feet. Crossover points 80 Hz and 3 kHz; FR 27 Hz-20 kHz; sens 95 dB; imp 8 ohms. Wood veneer. 5-yr speaker, 2-yr amp warranty. 8 1/2 x 48 x 19 1/4 in; 115 lb .....\$1,749

**KSP 300.** As above, subwoofer with 12-in driver and 150-W amp; one 6 1/2-in midrange. No bass EQ or spike feet. Power handling 150 W; crossover points 120 Hz and 2.6 kHz; FR 32-20 kHz; sens 94 dB. 8 1/2 x 42 x 18 in; 78 lb .....\$999

### KSW-300 Powered Subwoofer

Bass-reflex design with 15-in driver; amp rated at 300 W rms. LFE-, line-, and speaker-level inputs; line- and speaker-level outputs. Adjustable high- and low-pass filters. FR 25-120 Hz  $\pm$ 3 dB. Black matte vinyl. 5-yr speaker, 2-yr amp warranty .....\$999

### KLF 30 3-Way Speaker

Bass-reflex design with two 12-in woofers, one 1 1/2-in horn midrange, and one 1-in horn tweeter. Biampable inputs. Power handling 200 W; crossover points 825 Hz and 7 kHz; FR 36 Hz-20 kHz  $\pm$ 3 dB; sens 102 dB; imp 8 ohms. Wood veneer. 5-yr warranty. 14 x 45 1/4 x 16 in; 102 lb .....\$900

### KLF 20 3-Way Speaker

Bass-reflex design with two 10-in woofers, 1 1/2-in horn midrange, and 1-in horn tweeter. Biampable inputs. Power handling 200 W; crossover points 750 Hz and 7 kHz; FR 34 Hz-20 kHz  $\pm$ 3 dB; sens 100 dB; imp 8 ohms. Wood veneer. 5-yr warranty. 12 x 40 1/4 x 16 in; 87 lb .....\$750

### KSW 200 Powered Subwoofer

Bass-reflex design with down-firing 12-in driver; 200-W amp. 3 line-level inputs; 2 speaker-level inputs; 2 line- and speaker-level outputs. Main level; auto power on; 2-position phase switch. Crossover point variable from 40-120 Hz; FR 29-120 Hz. Black matte vinyl. 17 1/2 x 18 1/4 x 17 1/2 in; 69 lb .....\$649

### KLF-C7 2-Way Center Speaker

Acoustic-suspension design with two 8-in woofers and one 1-in horn tweeter. Includes leveling feet. Power handling 150 W; crossover point 2 kHz; FR 75 Hz-20 kHz  $\pm$ 3 dB; sens 99 dB; imp 8 ohms. 5-yr warranty. 27 1/4 x 11 x 9 in; 38 lb .....\$600

### KLF-10 2-Way Speaker

Bass-reflex design with two 10-in polymer-cone woofers and one 1-in horn tweeter. Power handling 150 W; crossover point 2.3 kHz; FR 32 Hz-20 kHz  $\pm$ 3 dB; sens 98 dB; imp 8 ohms. 5-yr warranty. 12 x 38 1/4 x 16 in; 65 lb .....\$550

### KSW-150 Powered Subwoofer

Bass-reflex design with down-firing 10-in driver; 150-W amp. 3 line-level inputs; 2 speaker-level inputs; 2 line- and speaker-level outputs. Main level, variable low-pass, 2-position high-pass, auto power on, 2-position phase switch. Crossover point variable from 40-120 Hz; FR 31-120 Hz. Black matte vinyl. 15 x 16 1/4 x 15 in; 48 lb .....\$549

### KSF-10.5 2-Way Speaker

Bass-reflex design with two 8-in woofers and one 1-in horn tweeter. Magnetic shielding. Power handling 100 W; crossover point 2.2 kHz; FR 36 Hz-20 kHz  $\pm$ 3 dB; sens 95 dB; imp 8 ohms. Black ash or rosewood vinyl. 5-yr warranty. 10 1/4 x 38 x 12 1/2 in .....\$400

### KSP-S6 2-Way Surround Speaker

Acoustic-suspension design with two 6-in woofers and two 1-in horn tweeters. Includes wall-mounting brackets. Power handling 150 W; crossover point 2.8 kHz; FR 60 Hz-20 kHz; sens 94 dB; imp 8 ohms. Black matte vinyl. 5-yr warranty. 13 1/2 x 15 x 7 1/4 in; 20 lb .....\$375

### KSF-C6 2-Way Center-Channel Speaker

Bass-reflex design with two 6 1/2-in woofers and one 1-in horn tweeter. Magnetic shielding. Power handling 100 W; crossover point 2.2 kHz; FR 63 Hz-20 kHz  $\pm$ 3 dB; sens 96 dB; imp 8 ohms. Matte black vinyl finish. 5-yr warranty. 24 x 8 x 7 in; 16 lb .....\$349

### KSW-50 Powered Subwoofer

Bass-reflex design with 8-in down-firing driver; 50-W amp. 2 line- and speaker-level inputs and outputs. Main level; auto power-on; 2-position phase switch. Crossover point variable from 40-140 Hz; FR 41-140 Hz  $\pm$ 3 dB. Black matte vinyl finish. 12 x 13 1/4 x 12 in; 33 lb .....\$329

### KSF-8.5 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in horn tweeter. Magnetic shielding. Power handling 75 W; crossover point 2.2 kHz; FR 36 Hz-20 kHz  $\pm$ 3 dB; sens 94 dB; imp 8 ohms. Black ash or rosewood vinyl. 5-yr warranty. 10 1/4 x 35 1/4 x 12 1/2 in .....\$325

### KSC-C1 2-Way Center-Channel Speaker

Acoustic-suspension design with two 5 1/4-in woofers and one 1-in horn tweeter. Magnetic shielding. Power handling 100 W; crossover point 2.8 kHz; FR 70 Hz-20 kHz  $\pm$ 3 dB; sens 95 dB; imp 8 ohms. Matte black vinyl finish. 5-yr warranty. 20 x 6 1/2 x 7 1/4 in; 15 lb .....\$279

### IC 800 2-Way Ceiling Speaker

8-in polymer woofer and 1-in soft-dome-swivel tweeter. Power handling 60 W; FR 45 Hz-20 kHz  $\pm$ 3 dB; sens 93 dB; imp 8 ohms. 5-yr warranty. Round frame. Mounting depth 3 1/2 in .....\$279

### K6-3.5 2-Way Speaker

Bass-reflex design with 8-in and one 1-in horn tweeter. Power handling 100 W; FR 36 Hz-20 kHz  $\pm$ 3 dB; sens 94 dB; imp 8 ohms. 10 1/2 x 33 1/2 x 11 1/2 in; 39 lb .....\$265

### KSF-S5 2-Way Surround Speaker

Acoustic-suspension design with one 6 1/2-in woofer and two 1-in horn tweeters. Wide dispersion coverage. Includes wall brackets. Power handling 100 W; crossover point 1.8 kHz; FR 60 Hz-20 kHz  $\pm$ 3 dB; sens 93 dB; imp 8 ohms. Black and white matte vinyl. 5-yr warranty. 18 1/4 x 8 x 7 1/4 in; 13 lb .....\$225

### IC 650 2-Way Ceiling Speaker

6 1/2-in polymer woofer and 1-in soft-dome-swivel tweeter. Power handling 50 W; crossover point 3.3 kHz; FR 52 Hz-20 kHz  $\pm$ 3 dB; sens 91 dB; imp 8 ohms. White. 5-yr warranty. Round frame. Mounting depth 3 1/2 in .....\$199

# Speakers

## KV1 2-Way Center-Channel Speaker

Bass-reflex design with two 5/4-in woofers and one 1-in horn tweeter. Power handling 75 W; FR 85 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. 20 1/4 x 6 1/4 x 6 in; 15 lb .....\$179

## KAW 1.1 2-Way Outdoor Speaker

Bass-reflex design with 5/4-in polymer woofer and 1-in soft-dome tweeter. Port plug for exposed mounting locations. Includes mounting bracket. Power handling 75 W; crossover point 2.8 kHz; FR 65 Hz-20 kHz  $\pm 3$  dB; sens 92 dB; imp 8 ohms. White. 5-yr warranty. 6 1/4 x 11 x 6 in; 5 lb .....\$165

## IC 525 2-Way Ceiling Speaker

5/4-in polymer woofer and 1-in swiveling soft-dome tweeter. Power handling 50 W; crossover point 4 kHz; FR 60 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. White. 5-yr warranty. Round frame. Mounting depth 2 1/2 in .....\$159

## KSB-S1 Surround Speaker

Acoustic-suspension design with two 5/4-in full-range woofers in wide-dispersion array. Power handling 80 W; FR 115 Hz-8 kHz  $\pm 3$  dB; sens 95 dB; imp 8 ohms. 5-yr warranty. 11 1/2 x 6 1/4 x 6 1/4 in; 6 lb .....\$150

## Heritage Series

### Klipschorn 3-Way Speaker

Horn-loaded design. Power handling 100 W; FR 35 Hz-17 kHz  $\pm 3$  dB; sens 104 dB; imp 8 ohms. 31 1/4 x 52 x 28 1/2 in; 167 lb .....\$2,899

### Belle Klipsch 3-Way Speaker

Horn-loaded design. Power handling 100 W; FR 45 Hz-17 kHz  $\pm 3$  dB; sens 104 dB; imp 8 ohms. 30 1/4 x 35 1/4 x 18 1/4 in .....\$2,149

**La Scala.** As above, natural-birch, lacquered-birch, or black finish. 23 1/4 x 35 1/4 x 24 1/4 in .....\$1,399

### Heresy II 3-Way Speaker

Acoustic-suspension design with 12-in woofer, 1 1/2-in horn-loaded compression midrange, and 1-in tweeter. Power handling 100 W; FR 50 Hz-20 kHz  $\pm 3$  dB; sens 96 dB; imp 8 ohms. 15 1/2 x 21 1/4 x 13 1/4 in; 37 lb .....\$549

## In-Wall Series

### IW-250 2-Way In-Wall Speaker

Two 6 1/2-in woofers and one 1-in horn tweeter. Power handling 75 W; crossover point 2.2 kHz; FR 40 Hz-20 kHz  $\pm 3$  dB; sens 93 dB; imp 8 ohms. 8 1/4 x 19 1/4 x 3 1/2 in .....\$339

### IW-150 2-Way In-Wall Speaker

6 1/2-in woofer and 1-in horn tweeter. Power handling 50 W; crossover point 2.2 kHz; FR 40 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. 8 1/4 x 12 1/4 x 3 1/2 in .....\$215

### IW-50 2-Way In-Wall Speaker

5 1/4-in woofer and 1-in horn tweeter. Power handling 50 W; crossover point 2.2 kHz; FR 50 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. 6 1/4 x 9 1/2 x 3 1/2 in .....\$159

## Synergy Series

The following use a bass-reflex design, have magnetic shielding, and carry a 5-year warranty.

### KSB 3.1 2-Way Bookshelf Speaker

8-in woofer and 1-in horn tweeter. Power handling 100 W; crossover point 2.8 Hz; FR 45 Hz-20 kHz  $\pm 3$  dB; sens 94 dB; imp 8 ohms. Black ash and rosewood vinyl. 9 1/4 x 17 x 9 1/4 in; 16 lb .....\$215

### KSB 2.1 2-Way Bookshelf Speaker

6 1/2-in woofer and 1-in horn tweeter. Power handling 85 W; crossover point 2.8 Hz; FR 55 Hz-20 kHz  $\pm 3$  dB; sens 93 dB; imp 8 ohms. Black ash and rosewood vinyl. 7 1/4 x 15 x 8 in; 11 lb .....\$165

### KSB 1.1 2-Way Bookshelf Speaker

5 1/4-in woofer and 1-in horn tweeter. Power handling 75 W; crossover point 2.8 Hz; FR 65 Hz-20

kHz  $\pm 3$  dB; sens 92 dB; imp 8 ohms. Black or white finish. 6 1/4 x 11 x 6 in; 5 lb .....\$115  
Wall-mount brackets .....\$17.95

## KORT

The following use a dipolar design.

### Foundation 3 Subwoofer

15-in driver. Power handling 200 W; FR 25-200 Hz; sens 87 dB; imp 6 ohms. 20 x 17 x 9 in .....\$350

### Microline3 Dipolar Satellite Speaker

Six 2-in full-range drivers. Magnetic shielding. Power handling 100 W; FR 200 Hz-21 kHz; sens 87 dB; imp 6 ohms. 13 x 7 x 5 in .....\$350

### Iota Dipolar Satellite Speaker

Two 3-in full-range drivers. Magnetic shielding. Power handling 50 W; FR 100 Hz-18 kHz; sens 87 dB; imp 8 ohms. 7 x 7 x 5 in .....\$200

## L.A. ROCKER

The Carlsbad, El Paso, River Rock, Little Rock, Mesa Rock, and Reef Rock are weather-resistant outdoor speakers camouflaged as rocks. The rock casing is made of glass, fiber, and reinforced concrete and carries a limited lifetime warranty.

### BR-8/WG 2-Way Outdoor Speaker

12-in woofer and 3-in tweeter. Power handling 250 W max; FR 55 Hz-20 kHz. Weathered granite finish. 43 x 24 x 21 in; 180 lb .....\$1,550

### CW-302 2-Way Outdoor Speaker

4 1/4-in woofer and 1-in swivel tweeter. Wall or floor mounting available. Power handling 80 W max; FR 9 Hz-20 kHz. Gray finish. 20 x 14 x 63 in; 200 lb .....\$1,550

### JL-8 2-Way Outdoor Speaker

8-in woofer and two 3-in tweeters. Power handling 250 W max; FR 55 Hz-20 kHz. Aged and burnt wood finish. 33 x 27 x 17 in; 180 lb .....\$1,190

## Carlsbad Series

The following are finished in multitone brown or gray finishes, measure 24 x 21 x 16 in, and weigh approximately 95 lb. Power handling is 120 W max and impedance is 8 ohms.

### CR-602 2-Way Outdoor Speaker. 5/4-in woofer and 1-in swivel tweeter. FR 70 Hz-20 kHz ...\$710

**CR-503 3-Way Outdoor Speaker.** 5/4-in woofer, 2-in Mylar tweeter, and 1/2-in dome supertweeter. FR 60 Hz-22 kHz .....\$700

**CR-502 2-Way Outdoor Speaker.** 5/4-in woofer and 2-in Mylar tweeter .....\$690

**El Paso Series.** The following are available in multitone brown, multitone gray, or granite finishes, measure 24 x 21 x 16 in, and weigh approximately 85 lb. Power handling is 120 W max and impedance is 8 ohms.

### EP-602 2-Way Outdoor Speaker. 5/4-in woofer and 1-in swivel tweeter. FR 70 Hz-20 kHz ...\$600

**EP-503 3-Way Outdoor Speaker.** 5/4-in woofer, 2-in Mylar tweeter, and 1/2-in dome supertweeter. FR 60 Hz-22 kHz .....\$595

**EP-502 2-Way Outdoor Speaker.** 5/4-in woofer and 2-in Mylar tweeter .....\$580

**Reef Rock Series.** The following are available in

black, coral-gray, or red finishes, measure 17 x 16 x 11 in, and weigh approximately 45 lb. Unless otherwise noted, power handling is 120 W max and impedance is 8 ohms.

### RRP-602 2-Way Outdoor Speaker. 5/4-in woofer and 1-in swivel tweeter. FR 70 Hz-20 kHz ...\$500

**RRP-503 3-Way Outdoor Speaker.** 5/4-in woofer, 2-in Mylar tweeter, and 1/2-in dome supertweeter. FR 60 Hz-22 kHz .....\$495

**RRP-502 2-Way Outdoor Speaker.** 5/4-in woofer and 2-in Mylar tweeter .....\$485

**RR-302 3-Way Outdoor Speaker.** 4 1/4-in woofer and 1-in swivel tweeter. Power handling 80 W max; FR 90 Hz-20 kHz .....\$410

**RR-203 3-Way Outdoor Speaker.** 4 1/4-in woofer, 2-in Mylar tweeter, and 1/2-in dome supertweeter. Power handling 100 W; FR 90 Hz-22 kHz .....\$405

**RR-202 2-Way Outdoor Speaker.** 4 1/4-in woofer and 2-in Mylar tweeter. Power handling 80 W max .....\$395

## Mesa Rock Series

The following are available in multitone brown, multitone gray, granite, or sandstone finishes, measure 23 x 16 x 10 in, and weigh approximately 45 lb. Unless otherwise noted, power handling is 120 W max and impedance is 8 ohms.

### MRP-602 2-Way Outdoor Speaker. 5/4-in woofer and 1-in swivel tweeter. FR 70 Hz-20 kHz ...\$460

**MRP-503 3-Way Outdoor Speaker.** 5/4-in woofer, 2-in Mylar tweeter, and 1/2-in dome supertweeter. FR 60 Hz-22 kHz .....\$455

**MRP-502 2-Way Outdoor Speaker.** 5/4-in woofer and 2-in Mylar tweeter .....\$445

**MR-302 3-Way Outdoor Speaker.** 4 1/4-in woofer and 1-in swivel tweeter. Power handling 80 W max; FR 90 Hz-20 kHz .....\$370

**MR-203 3-Way Outdoor Speaker.** 4 1/4-in woofer, 2-in Mylar tweeter, and 1/2-in dome supertweeter. Power handling 100 W; FR 90 Hz-22 kHz .....\$365

**MR-202 2-Way Outdoor Speaker.** 4 1/4-in woofer and 2-in Mylar tweeter. Power handling 80 W max .....\$355

## River Rock Series

The following are available in granite or sandstone finishes, measure 23 x 21 x 11 in, and weigh approximately 45 lb. Unless otherwise noted, power handling is 120 W max and impedance is 8 ohms.

### GRP-602 2-Way Outdoor Speaker. 5/4-in woofer and 1-in swivel tweeter. FR 70 Hz-20 kHz ...\$460

**GRP-503 3-Way Outdoor Speaker.** 5/4-in woofer, 2-in Mylar tweeter, and 1/2-in dome supertweeter. FR 60 Hz-22 kHz .....\$455

**GRP-502 2-Way Outdoor Speaker.** 5/4-in woofer and 2-in Mylar tweeter .....\$440

**GR-302 2-Way Outdoor Speaker.** 4 1/4-in woofer and 1-in swivel tweeter. Power handling 80 W max; FR 90 Hz-20 kHz .....\$370

**GR-203 3-Way Outdoor Speaker.** 4 1/4-in woofer, 2-in Mylar tweeter, and 1/2-in dome supertweeter. Power handling 100 W max; FR 90 Hz-22 kHz .....\$365

**GR-202 2-Way Outdoor Speaker.** 4 1/4-in woofer and 2-in Mylar tweeter. Power handling 80 W max .....\$350

## Little Rock Series

The following are available in multitone brown, multitone gray, granite, and sandstone finishes, measure 16 x 14 x 10 in, and weigh approximately 40 lb. Unless otherwise noted, power handling is 120 W max and impedance is 8 ohms.

### LRP-602 2-Way Outdoor Speaker. 5/4-in woofer and 1-in swivel tweeter. FR 70 Hz-20 kHz ...\$400

**LRP-503 3-Way Outdoor Speaker.** 5/4-in woofer, 2-in Mylar tweeter, and 1/2-in dome supertweeter. FR 60 Hz-22 kHz .....\$395

**LRP-502 2-Way Outdoor Speaker.** 5/4-in woofer and 2-in Mylar tweeter .....\$380

**LR-302 3-Way Outdoor Speaker.** 4 1/4-in woofer and 1-in swivel tweeter. Power handling 80 W max; FR 90 Hz-20 kHz .....\$310

Prices given are the suggested retail prices. Dealer prices may vary.

# Speakers

**LR-203 3-Way Outdoor Speaker.** 4¼-in woofer, 2-in Mylar tweeter, and ½-in dome supertweeter. Power handling 100 W max; FR 90 Hz-22 kHz. . . . \$300  
**LR-202 2-Way Outdoor Speaker.** 4¼-in woofer and 2-in Mylar tweeter. Power handling 80 W max. . . . \$295

## LEGACY AUDIO

The following are available in hand-rubbed walnut, black-lacquer, oak, ribbon-mahogany, or rosewood finishes and carry a 10-year warranty.

### Whisper 4-Way Speaker

Four 15-in pulp-composite woofers, four 7-in Kevlar woofers, one 1¼-in soft-dome midrange, and one samarium-cobalt ribbon tweeter. Active crossover with room-correction circuitry; resin baffle. Bi-ampable terminals. Power handling 1,200 W; crossover points 300 Hz, 3 kHz, and 10 kHz; FR 22 Hz-30 kHz; sens 94 dB; imp 4 ohms. 17 x 63 x 13 in; 265 lb. . . . \$12,900/pr

### Focus 4-Way Speaker

Three 12-in carbon-polypropylene woofers, two 7-in Kevlar woofers, one 1¼-in soft-dome midrange, and one samarium-cobalt ribbon tweeter. Internal bracing; rolled-tambour front corners. Bi-ampable terminals. Power handling 1,000 W; crossover points 180 Hz, 2.2 kHz, and 12 kHz; FR 16 Hz-30 kHz; sens 96 dB; imp 4 ohms. 15 x 55 x 13 in; 175 lb. . . . \$5,400/pr

### Signature III 4-Way Speaker

Three 10-in carbon-polypropylene woofers, one 7-in woofer, one 7-in Kevlar woofer, one 1¼-in soft-dome midrange, one 1-in rear-firing titanium tweeter, and one samarium-cobalt ribbon supertweeter. Dipole response above 5 kHz; slot-loaded woofers. Bi-ampable terminals. Power handling 400 W max; crossover points 120 Hz, 2.8 kHz, and 10 kHz; FR 20 Hz-30 kHz; sens 93 dB; imp 4 ohms. 12 x 50 x 12 in; 130 lb. . . . \$3,850/pr

### Classic 5-Way Speaker

Two 10-in carbon-polypropylene woofers, one 7-in Kevlar woofer, one 1¼-in soft-dome midrange, one 1-in rear-firing titanium tweeter, and one samarium-cobalt ribbon supertweeter. Dipole response above 5 kHz. Bi-ampable terminals. Power handling 300 W; crossover point 120 Hz, 2.8 kHz, and 10 kHz; FR 22 Hz-30 kHz ±2 dB; sens 92 dB; imp 4 ohms. 12 x 44 x 12 in; 110 lb. . . . \$2,650/pr

### Pace Maker Powered Subwoofer

Two 15-in pulp-composite woofers; 400-W amp. Vented 4th-order tuned enclosure plus 2nd-order crossover network. Crossover point selectable at 55 or 80 Hz; FR 16-80 Hz. 42 x 18 x 18 in; 150 lb. . . . \$2,450

### Marquis 4-Way Center-Channel Speaker

Two 10-in woofers, one 7-in Kevlar woofer, one 1¼-in soft-dome midrange, and one ribbon tweeter. Gold-plated binding posts. Power handling 400 W; crossover points 300 Hz, 3 kHz and 10 kHz; FR 80 Hz-30 kHz; sens 92 dB; imp 4 ohms. . . . \$2,400/pr

### Accent 2-Way Speaker

4th-order vented design with two 7½-in Kevlar long throw woofers with dual-voice-coils, one front-firing and one rear-firing 1-in titanium-dome tweeter. Magnetic shielding; braced cabinet. Bi-ampable inputs. Bass-contour control. Power handling 200 W; crossover point 2.8 kHz; FR 39 Hz-22 kHz; sens 92 dB; imp 4 ohms. Black, walnut, medium oak, rosewood, or ribbon mahogany. 10-yr warranty. 38 x 10 x 10 in; 45 lb. . . . \$1,995/pr

### Powered Impact Powered Subwoofer

Two 12-in long-throw carbon-polypropylene woofers; 300-W amp. Line- and speaker-level inputs; satellite outputs. Phase control; volume control. Crossover point selectable at 55 or 95 Hz; FR 16-100 Hz. 15¼ x 28½ x 13½ in; 105 lb. . . . \$1,648

### Mist 2-Way Bipolar Surround Speaker

Dual 5¼-in Kevlar woofers and two 1-in titanium-dome tweeters. Gold-plated binding posts. Power handling 200 W; crossover point 3 kHz; FR 59 Hz-22 kHz; sens 90 dB; imp 4 ohms. 6 x 11 x 18 in; 25 lb. . . . \$1,600/pr

### Silver Screen 3-Way Center-Channel Speaker

Two 7-in Kevlar woofers, one 1¼-in soft-dome midrange, and one samarium-cobalt ribbon tweeter. Bi-ampable terminals. Power handling 300 W; crossover points 2.2 and 12 kHz; sens 98 dB; imp 4 ohms. 27½ x 10½ x 10 in; 60 lb. . . . \$1,295

### Studio 2-Way Bookshelf Speaker

7½-in Kevlar dual-voice-coil woofer and 1-in titanium-dome tweeter. Gold-plated binding posts. Power handling 200 W; crossover point 2.8 kHz; FR 39 Hz-22 kHz; sens 90 dB; imp 4 ohms. 10 x 13 x 10 in; 35 lb. . . . \$948/pr

### Cinema III 2-Way Center-Channel Speaker

Two 5½-in Kevlar woofers and one titanium-dome tweeter. Gold-plated binding posts. Power handling 200 W; crossover point 4 kHz; FR 59 Hz-22 kHz; sens 92 dB; imp 4 ohms. 18½ x 7 x 8 in; 25 lb. . . . \$795

### Foundation Subwoofer

Two 12-in long-throw carbon-polypropylene woofers. L/R inputs. Configurable for mono. Power handling 400 W; crossover point selectable at 55 or 95 Hz; FR 22-100 Hz. 15¼ x 27½ x 16 in; 90 lb. . . . \$795

### Micro 2-Way Bookshelf Speaker

5¼-in Kevlar woofer and 1-in titanium-dome tweeter. Gold-plated binding posts. Power handling 125 W; crossover point 2.2 kHz; FR 59 Hz-22 kHz; sens 90 dB; imp 8 ohms. 6¼ x 9 x 7½ in; 16 lb. . . . \$795/pr

## LINN

### Keitk 3-Way Speaker

Infinite-baffle design with two 6½ x 9½-in woofers, one 5-in dome midrange, and one ¾-in ceramic-dome tweeter. Sculptured front baffle; active crossover; internal cabinet bracing; stabilizing internal and external veneers; steel stand. Power handling 80 W; FR 20 Hz-20 kHz ±2 dB; sens 50 dB; imp 4 ohms. Black ash, walnut, rosenut, or cherry finish. 10¼ x 41¼ x 14¼ in. . . . \$9,995/pr

### AV5150 Powered Subwoofer

Bass-reflex design with two 12-in polypropylene cone drivers; amp rated at 200 W. Switchable roll-off; vertically-braced MDF cabinet; alloy heat sink and chassis. Adjustable damping; auto on/off. Soft-clip circuitry optional. . . . \$4,195

### Kaber 3-Way Speaker

Infinite-baffle design with two 5-in carbon-loaded woofers and one ¾-in ceramic-dome tweeter. Active crossover; granite-composite stand; internal mineral absorbents; stabilizing veneers. Bi-ampable/triampable terminals. Power handling 60 W; FR 40 Hz-20 kHz ±2 dB; sens 87 dB; imp 8 ohms. Black ash, walnut, rosenut, or cherry finish. 7¼ x 36 x 11¼ in. . . . \$3,875/pr  
 As above, passive crossover. FR 60 Hz-20 kHz ±3 dB. . . . \$3,500/pr

### AV 5140 3-Way Speaker

Bass-reflex design with 8-in rear-firing woofer, 6-in midrange, and ¾-in ceramic-dome tweeter. Trapezoidal cabinet eliminates internal reflections; aerodynamically contoured ports cast from solid aluminum; tweeter enclosure; internal cabinet bracing; stabilizing internal and external veneers; magnetic shielding. Bi-ampable/triampable terminals. Full-length grille optional. FR 30 Hz-20 kHz ±3 dB; sens 90 dB. Black ash or cherry finish. 9 x 38 x 12 in. . . . \$2,795/pr

### Keilidh 2-Way Speaker

Infinite-baffle design with two 6½-in carbon-filled



Legacy Audio Pace Maker powered subwoofer

polypropylene woofers and one ¾-in ceramic-dome tweeter. Active crossover; stabilizing veneers; internal mineral absorbents; magnetic shielding. Bi-ampable terminals. Internal tweeter-level adjustment. Power handling 60 W; FR 45 Hz-20 kHz ±3 dB; sens 87 dB; imp 4 ohms. Black ash, walnut, rosenut, or cherry finish. 8 x 33 x 11 in. . . . \$1,975/pr  
 As above, passive crossover. FR 65 Hz-20 kHz ±3 dB. . . . \$1,300/pr  
 Polymer-granite base. . . . \$225/pr

### AV 5120 2-Way Center-Channel Speaker

Bass-reflex design with two 6-in woofers and one ¾-in ceramic-dome tweeter. Aerodynamically contoured ports cast from solid aluminum; tweeter enclosure; internal cabinet bracing; stabilizing internal and external veneers; magnetic shielding. Bi-ampable terminals. FR 55 Hz-20 kHz ±3 dB; sens 90 dB. Black ash or cherry finish. 6¼ x 24¼ x 9½ in. . . . \$1,045

### Tukan 2-Way Bookshelf Speaker

Infinite-baffle design with 5-in woofer and ¾-in ceramic-dome tweeter. Passive crossover; stabilizing veneers; internal mineral absorbents. Bi-ampable terminals. Power handling 30 W; FR 80 Hz-20 kHz ±3 dB; imp 8 ohms. Black ash, walnut, rosenut, or cherry finish. 7½ x 12 x 7½ in. . . . \$795/pr  
**K3000.** Metal stand for Tukan or Sekrit. . . . \$150/pr  
**Brakit.** Wall bracket for Tukan or Sekrit. . . . \$95/pr  
**Sekrit-Brakit.** Corner mounting bracket for Tukan or Sekrit. . . . \$95/pr

### Sekrit 2-Way In-Wall Speaker

Infinite-baffle or bass-reflex design with 6¼-in mineral-filled polypropylene woofer and 1-in aluminum-alloy tweeter. 1-piece baffle molded in structural plastic; rear ribbing to add rigidity; 2nd-order crossover with impedance compensation. Bi-ampable terminals. FR 80 Hz-20 kHz ±3 dB passive; 65 Hz-20 kHz ±3 dB active; sens 90 dB; imp 4 ohms passive. Paintable off-white finish. 7 lb. Rectangular frame. Mounting area: 9¼ x 17¼ in. Mounting depth 2½ in. . . . \$650/pr

### Sekrit 2-Way Speaker

Bass-reflex design with 6¼-in woofer and 1-in aluminum-alloy dome tweeter. Designed for wall hanging. Polymer molded cabinet. Bi-ampable terminals. 1-dB treble reduction on crossover. Stand optional. FR 60 Hz-20 kHz ±3 dB passive, 50 Hz-20 kHz ±3 dB active; sens 90 dB; imp 6 ohms. Black or white. 10 x 18¼ x 4¼ in; 13 lb. . . . \$595/pr

### AV 5110 2-Way Surround Speaker

3-in woofer and ½-in dome tweeter. Flame retardant; UV-stable cabinet; magnetic shielding. Gold-plated binding posts. Wall mountable. FR 60 Hz-20 kHz ±3 dB; sens 88 dB. . . . \$295/pr

# Speakers

## MACH 1 ACOUSTICS

The following use an infinite-baffle design.

### M-Four.Five 4-Way Speaker

Two 10-in woofers, two 5-in cone midranges, one 1-in silk-dome tweeter, and one 2½-in planar tweeter. Power handling 50 W min, 500 W max; FR 30 Hz-35 kHz ±3 dB; sens 92 dB; imp 2 or 4 ohms. Oiled walnut or cherry finish with black-knit grille. 12 x 48 x 16 in; 63 lb .....\$5,995/pr

### M-Three 3-Way Speaker

10-in woofer, 5-in cone midrange, and 1-in silk-dome tweeter. Power handling 50 W min, 500 W max; FR 30 Hz-20 kHz ±3 dB; sens 88 dB; imp 4 or 8 ohms. Oiled walnut or cherry finish. 12 x 48 x 16 in; 55 lb .....\$3,995/pr

### M-Two.Five 2-Way Speaker

6½-in woofer and 1-in silk-dome tweeter. Power handling 25 W min, 250 W max; FR 70 Hz-20 kHz ±3 dB; sens 92 dB; imp 3 or 6 ohms. Black. 10 x 21 x 10 in; 15 lb .....\$2,495/pr

**M-Two.** As above, bookshelf version. 5-in woofer. FR 80 Hz-20 kHz ±3 dB. 8 x 18 x 9 in; 5 lb \$1,595/pr

### M-One 2-Way Bookshelf Speaker

5-in woofer and 1-in silk-dome tweeter. Power handling 50 W min, 250 W max; FR 80 Hz-20 kHz ±3 dB; sens 88 dB; imp 4 or 8 ohms. Black. 8 x 12 x 9 in; 8 lb .....\$1,195/pr

## DM Series

The following have a custom finish and grille.

### DM-1000 Powered Subwoofer/Satellite System

4-speaker system featuring two 15-in powered subwoofers; two powered satellites, each with one 10-in woofer, two 5-in cone midranges, two ¼-in ceramic inverted-dome tweeters, one 3-in ribbon tweeter. Active crossovers. Crossover points 50 Hz, 300 Hz, and 3 kHz; FR 18 Hz-40 kHz ±3 dB system; sens 88 dB .....\$149,995

### DM-100 3-Way Speaker

Two 10-in woofers, two 5-in cone midranges, and two ¼-in ceramic inverted-dome tweeters. FR 30 Hz-40 kHz ±3 dB; sens 92 dB; imp 2 or 4 ohms. 12 x 48 x 16 in; 73 lb .....\$24,995/pr

### DM-10 Signature MkII 3-Way Speaker

10-in woofer, 5-in cone midrange, and 1-in ceramic inverted-dome tweeter. Power handling 50 W min, 1,000 W max; FR 30 Hz-40 kHz ±3 dB; sens 88 dB; imp 4 or 8 ohms. 12 x 48 x 16 in; 68 lb .....\$17,995/pr

### DM-5 2-Way Bookshelf Speaker

5-in woofer and 1¼-in ceramic inverted-dome tweeter. FR 80 Hz-25 kHz ±3 dB; sens 88 dB; imp 4 or 8 ohms. 8 x 12 x 9 in; 8 lb .....\$4,995/pr

## MAGNEPAN

Except where noted, the following models use planar-magnetic woofer and midrange drive units and are available in light-oak, black, or cherry trim with off-white, black, or gray fabric grilles. Each carries a 3-year limited warranty.

### MG-20 3-Way Hybrid Quasi-Ribbon/Planar-Magnetic Speaker

Planar-magnetic 880-square-in woofer, quasi-ribbon 3 x 48-in midrange, and ½ x 60-in ribbon tweeter. Bi-amplification optional. Power handling 250 W max; FR 25 Hz-40 kHz; sens 85 dB; imp 4 ohms. 29 x 79 in .....\$9,200/pr

### MG-3.5 3-Way Hybrid Ribbon/Planar-Magnetic Speaker

Planar-magnetic 620-square-in woofer, planar-magnetic 170-square-in line-source midrange, and ½ x 60-in ribbon tweeter. Bi-amplification optional. Power handling 250 W max; FR 34 Hz-40 kHz; sens 85 dB; imp 4 ohms. 24 x 71 in .....\$3,150/pr



Magnepan MG12/QR planar magnetic speaker

### MG-2.7 3-Way Hybrid Quasi-Ribbon/Planar-Magnetic Speaker

Planar-magnetic 620-square-in woofer, planar-magnetic 98-square-in midrange, and 1½ x 56-in quasi-ribbon tweeter. Power handling 250 W max; FR 34 Hz-24 kHz; sens 87 dB; imp 4 ohms. 22 x 71 in .....\$1,995/pr

### MG1.6/QR 2-Way Hybrid Quasi-Ribbon/Planar-Magnetic Speaker

Planar-magnetic 442-square-in woofer and 2 x 48-in quasi-ribbon tweeter. Power handling 50 W min, 250 W max; FR 40 Hz-22 kHz ±3 dB; sens 86 dB; imp 4 ohms. 19¼ x 64½ x 2 in; 90 lb .....\$1,475/pr

### MG-10.1 2-Way Hybrid Quasi-Ribbon/Planar-Magnetic Speaker

Planar-magnetic 261-sq-in woofer and 2 x 45-in quasi-ribbon tweeter. Power handling 250 W; FR 80 Hz-24 kHz ±3 dB; sens 86 dB; imp 4 ohms. 10½ x 43 x 1½ in; 65 lb .....\$1,175/pr

### MG12/QR 2-Way Hybrid Quasi-Ribbon/Planar-Magnetic Speaker

Planar-magnetic 370-square-in woofer and 2 x 38-in quasi-ribbon tweeter. Power handling 50 W min, 250 W max; FR 45 Hz-22 kHz ±3 dB; sens 86 dB; imp 4 ohms. 17 x 52½ x 1½ in; 65 lb .....\$950/pr

### MGCC1 2-Way Hybrid Quasi-Ribbon/Planar-Magnetic Speaker

Dipolar design with curved 198-square-in woofer and curved 33 x 1¼-in quasi-ribbon tweeter. Designed to be suspended or placed on top of TV monitor or inside cabinet. Power handling 200 W max; FR 160 Hz-20 kHz ±3 dB; sens 85 dB; imp 4 ohms. Natural-oak, black-oak, or cherry trim with off-white, black, or gray fabric. 35 x 10½ x 8 in .....\$750

### MMG 2-Way Hybrid Quasi-Ribbon/Planar-Magnetic Speaker

Planar-magnetic 370-square-in woofer and 1½ x 38 quasi-ribbon tweeter. FR 50 Hz-24 kHz; sens 86 dB; imp 4 ohms. 14½ x 48 in .....\$500/pr

### MGSS1 Dipolar Planar-Magnetic Speaker

Planar-magnetic 145-square-in midrange. Includes wall-mounting hardware. Power handling 150 W max; FR 160 Hz-16 kHz; sens 89 dB; imp 4 ohms. White, off-white, black, or gray fabric. 8¼ x 45 x ¾ in; 24 lb .....\$425/pr

## M&K SOUND

### SS-500THX 2-Way THX Dipolar Surround Speaker

Acoustic-suspension dipolar design with two 5-in polypropylene woofers and two 1-in soft-dome

tweeters. THX-certified. Power handling 400 W; FR 100 Hz-20 kHz ±2 dB; sens 88 dB; imp 4 ohms. 14¼ x 6¾ x 7¾ in; 22 lb .....\$1,595/pr

### MX-700 Powered Subwoofer

Push-pull design with two 8-in drivers; amp rated at 200 W rms. Magnetic shielding. 17½ x 14½ x 12½ in; 41 lb .....\$1,395

### S-100B 2-Way Satellite Speaker

Acoustic-suspension design with two 5-in polypropylene woofers and three 1-in soft-dome tweeters. 2 switches for tonal/timbre balance. Magnetic shielding optional. Power handling 400 W; FR 77 Hz-20 kHz ±2 dB; sens 91 dB; imp 4 ohms. Glass-bead black finish. 12 x 10 x 8½ in .....\$1,195/pr

### S-5000THX 2-Way Surround Speaker

Acoustic-suspension design with two 6½-in polypropylene woofers and two 1-in open-back transmission-line dome tweeters. Trapezoidal enclosure; THX-certified; magnetic shielding. 2 switches for tonal/timbre balance. Power handling 400 W; FR 72 Hz-20 kHz ±2 dB; sens 94 dB; imp 4 ohms. Black oak finish. 24 x 11¾ x 12 in; 55 lb .....\$1,195

### S-125 2-Way Satellite Speaker

Acoustic-suspension design with two 5-in polypropylene woofers and one 1-in soft-dome tweeter. 2 sets of inputs for tonal/timbre balance. Integral high-pass filter optional. FR 75 Hz-20 kHz ±2 dB; sens 90 dB; imp 4 ohms. Black lacquer bead finish. 6¼ x 18½ x 8½ in; 17 lb .....\$1,100/pr

### SS-150 3-Way Tripolar Surround Speaker

Acoustic-suspension design with one 5¼-in polypropylene woofer, two 3½-in mid-tweeters, and one 1-in soft-dome tweeter. Power handling 200 W; FR 85 Hz-20 kHz ±3 dB; sens 86 dB; imp 4 ohms. Black or white lacquer bead finish. 8 x 10½ x 6½ in; 11 lb .....\$1,095/pr

### MX-105 Powered Subwoofer

Push-pull design with two 12-in drivers; 125-W amp. Oak or black oak finish .....\$995  
As above, black lacquer bead finish .....\$895

### S-1C 2-Way Speaker

Acoustic-suspension design with two 5-in polypropylene woofers and two 1-in open-back transmission-line soft-dome tweeters. Push-pull woofer configuration; magnetic shielding. 2 switches for tonal/timbre balance; 3-position switch for vertical directivity. Power handling 400 W; FR 77 Hz-20 kHz ±2 dB; sens 90 dB; imp 4 ohms. Oak or black oak finish. 21 x 7¼ x 10½ in; 19 lb .....\$995

### S-150THX 2-Way THX Satellite Speaker

Acoustic-suspension design with two 5¼-in polypropylene woofers and three 1-in dome tweeters. THX-certified; mirror imaging; magnetic shielding. Power handling 200 W; FR 72 Hz-20 kHz ±2 dB; sens 89 dB; imp 4 ohms. Black lacquer bead finish. 10½ x 12½ x 12½ in; 17 lb .....\$795

### S-85 2-Way Speaker

Acoustic-suspension design with 5-in polypropylene woofer and 1-in soft-dome tweeter. Integral high-pass filter. 2 sets of inputs for tonal/timbre balance. Magnetic shielding optional. Power handling 200 W; FR 90 Hz-20 kHz ±2 dB; sens 88 dB; imp 4 ohms. Black lacquer bead finish .....\$695/pr  
**S-85C.** Horizontally-oriented version of above for center-channel applications .....\$395

### S-125C 2-Way Center-Channel Speaker

Acoustic-suspension design with two 5-in polypropylene woofers and one 1-in soft-dome tweeter. Magnetic shielding. 2 sets of inputs for tonal/timbre balance. Integral high-pass filter optional. Power handling 400 W; FR 75 Hz-20 kHz ±2 dB; sens 90 dB; imp 4 ohms. Black lacquer bead finish. 6¼ x 18½ x 8½ in; 18 lb .....\$595

### SW-95 2-Way In-Wall Speaker

6½-in polypropylene woofer and 1-in soft-dome

# Speakers

tweeter. Frameless in-wall design; steel baffles stiffen dry wall; magnetic shielding. 2 sets of inputs. Tone control. Power handling 200 W; crossover point 2 kHz; sens 92 dB; imp 4 ohms. Black baffle with paintable white grille .....\$550  
**SW-85.** As above, 5/4-in woofer and 1-in tweeter. 5-yr parts-and-labor warranty .....\$350

## Bookshelf-75 2-Way Speaker

Acoustic-suspension design with 6 1/2-in polypropylene woofer and 1-in soft-dome tweeter. Power handling 200 W; FR 77 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 4 ohms. Black ash finish with black grille. 13 1/2 x 8 x 10 in; 17 lb .....\$450/pr

## Center-75 2-Way Center-Channel Speaker

Acoustic-suspension design with two 5-in polypropylene woofers and one 1-in soft-dome tweeter. Magnetic shielding. Power handling 200 W; FR 75 Hz-20 kHz  $\pm 2$  dB; sens 87 dB; imp 4 ohms. Black ash finish with black grille. 18 x 6 x 7 1/2 in; 17 lb .....\$295

## LCR-45 2-Way Satellite Speaker

Acoustic-suspension design with 4-in woofer and 1-in dome tweeter. Magnetic shielding. Power handling 150 W. Black or white finish .....\$250

## LCR-55 2-Way Satellite Speaker

Acoustic-suspension design with 5/4-in woofer and 1-in dome tweeter. Magnetic shielding. Power handling 200 W. Black or white finish. 5-yr warranty. 10 1/2 x 7 x 8 1/4 in; 11 lb .....\$250

## Powered Subwoofers

*The following use an acoustic-suspension design and incorporate M&K's proprietary headroom-maximizer circuit.*

## MX-5000THX Mark II Powered Subwoofer

Two 12-in woofers in push-pull driver configuration; amp rated at 400 W. THX-certified; adjustable low-pass filter. Level control. Crossover point adjustable from 50-125 Hz; FR 18-125 Hz. Black oak finish. 23 3/4 x 15 x 26 in; 115 lb .....\$2,695

**MX-200.** As above, amp rated at 200 W rms. FR 20-125 Hz  $\pm 2$  dB. Black or black-oak finish. 23 x 15 1/4 x 19 1/2 in; 78 lb .....\$1,495

**MX-125.** As MX-200, amp rated at 125 W rms. 70 lb .....\$1,095

**MX-70B.** As MX-125, 8-in drivers. FR 27-125 Hz  $\pm 2$  dB. Glass-bead black or white finish. 18 x 10 x 13 1/2 in; 48 lb .....\$995

## MX-350THX Powered Subwoofer

Two 12-in woofers in push-pull configuration; amp rated at 350 W. THX-certified; magnetic shielding. Low-pass filter that can be converted into 80-Hz 24-dB/oct Linkwitz-Riley crossover when used with M&K HP-80 high-pass filter; level control. Crossover point adjustable from 50-125 Hz; FR 20-125 Hz  $\pm 2$  dB. Black lacquer bead finish; black grille. 15 1/4 x 23 x 19 1/2 in; 85 lb .....\$1,795

**MX-150THX.** As above, amp rated at 125 W. 74 lb .....\$1,295

## V-125THX Powered Subwoofer

12-in woofer; amp rated at 125 W. Meets THX requirements when two subwoofers are used; magnetic shielding. Adjustable low-pass filter; level control. Crossover point adjustable from 50-125 Hz; FR 22-125 Hz  $\pm 2$  dB. Black lacquer bead finish. 15 1/2 x 18 1/2 x 20 1/4 in; 52 lb .....\$850

**V-125.** As above, not THX-certified .....\$795

## V-75II Powered Subwoofer

12-in woofer; amp rated at 75 W. Low-pass filter adjustable from 50-125 Hz; level control. FR 30-125 Hz  $\pm 2$  dB. Black ash finish. 15 1/2 x 18 1/2 x 20 1/4 in; 42 lb .....\$625

## VX-7II Powered Subwoofer

8-in woofer; amp rated at 50 W. Low-pass filter adjustable from 50 to 125 Hz; level control. FR 40-125 Hz  $\pm 2$  dB. Black ash finish. 10 x 13 1/2 x 10 1/4 in; 21 lb .....\$495

## MARTIN-LOGAN

### Monolith III 2-Way Electrostatic Speaker

Curvilinear 2 x 4-ft electrostatic panel mounted atop tuned subwoofer box with 12-in cone driver. Designed for wide dispersion. Active or passive external crossover. Power handling 250 W cont; FR 28 Hz-24 kHz  $\pm 3$  dB; sens 90 dB; imp 4 ohms. 26 1/2 x 74 x 11 1/2 in; 125 lb .....\$10,000/pr  
 As above, passive crossover .....\$7,500/pr

### Quest Z 2-Way Electrostatic Speaker

18 x 48-in curvilinear electrostatic panel mounted atop tuned subwoofer cabinet with 12-in driver. Power handling 200 W cont; crossover point 180 Hz; FR 30 Hz-22 kHz  $\pm 3$  dB; sens 90 dB; imp 4 ohms. Various finishes. 18 x 71 x 13 in ...\$4,495/pr

### CLS II Z Electrostatic Speaker

2 x 4-ft visually-transparent curvilinear electrostatic panel. 30° horizontal dispersion; arc-free diaphragm. Power handling 200 W cont; FR 35 Hz-20 kHz  $\pm 3$  dB; sens 86 dB; imp 4 ohms. 28 x 57 1/2 x 14 1/2 in .....\$3,995/pr

### SL3 2-Way Electrostatic Speaker

10-in woofer in tuned chamber and 1 x 4-ft visually-transparent electrostatic panel. 30° horizontal dispersion. Power handling 200 W cont; crossover point 250 Hz; FR 30 Hz-22 kHz  $\pm 3$  dB; sens 89 dB; imp 4 ohms. 13 x 64 x 14 in .....\$3,195/pr

### Stylos Electrostatic Speaker

Acoustic-suspension design with 6 1/2-in cone driver in a 10 1/2 x 63 1/2-in curvilinear electrostatic panel. Designed for mounting on a wall, in a wall, or on a stand. Power handling 200 W; crossover point 450 Hz; FR 40 Hz-22 kHz  $\pm 3$  dB; sens 87 dB; imp 4 ohms. 10 1/2 x 63 1/2 x 4 1/2 in .....\$2,695

### Aerius i 2-Way Electrostatic Speaker

8-in woofer and 9 1/2 x 40-in curvilinear electrostatic panel. FR 40 Hz-22 kHz  $\pm 3$  dB; sens 87 dB; imp 4 ohms. 10 1/2 x 55 1/2 x 12 1/2 in .....\$1,995/pr

### Logos 3-Way Electrostatic Center-Channel Speaker

One 6 1/2-in woofer, two curvilinear electrostatic midrange panels, and one 1-in tweeter. FR 75 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 5 ohms. 40 1/2 x 11 1/2 x 9 1/2 in .....\$1,750

### The Cinema 3-Way Electrostatic Center-Channel Speaker

Two 5 1/4-in woofers, one electrostatic midrange, and one 1-in ferrofluid-cooled voice-coil. Magnetic shielding. FR 80 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 6 ohms. 33 1/2 x 10 1/2 x 8 in .....\$1,295

## MBL

### Model 101D 4-Way Speaker

Omnidirectional design with 12-in cone woofer, TT100 radial woofer, MT50/D radial carbon-fiber midrange, and 101D radial carbon-fiber tweeter. 360° dispersion horizontally and vertically. Bi-ampable terminals. Crossover switches to change speaker response. Power handling 500 W cont; crossover point selectable at 110 Hz, 600 Hz, or 3.5 kHz; FR 20 Hz-40 kHz  $\pm 3$  dB; sens 81 dB; imp 4 ohms. Piano black or satin black. 3-yr warranty. 16 x 67 x 18 in; 176 lb .....\$32,990/pr  
**Model 111.** As above with built-in conventional midrange and subwoofer. FR 20 Hz-40 kHz; sens 78 dB. 16 x 16 x 63 in; 132 lb .....\$13,900/pr

### Model 300 L 4-Way Speaker

Bass-reflex design with three long-throw dual-voice-coil woofers, one ferrofluid-cooled midrange, and one ferrofluid-cooled tweeter. Midrange and tweeter mounted in magnesium and aluminum plate. Power handling 110 W min, 170 W max; FR 28 Hz-45 kHz; sens 86 dB; imp 4 ohms. 8 x 45 x 10 in; 44 lb .....\$5,990/pr

### Model 201 Powered Subwoofer

300-W amp. Phase-shift switch; variable level con-

trol. Crossover point selectable at 48, 68, or 96 Hz; FR 18-96 Hz. 16 x 16 x 20 in; 66 lb .....\$4,790

### Model 311c 3-Way Bookshelf Speaker

Dual-voice-coil woofer, ferrofluid-cooled midrange, and ferrofluid-cooled tweeter. Midrange and tweeter mounted in magnesium and aluminum plate. Power handling 50 W min, 80 W max; FR 38 Hz-45 kHz; sens 84 dB; imp 4 ohms. 8 x 17 x 10 in; 13 lb .....\$3,150/pr

### Model 303 2-Way Speaker

5-in midrange and 1-in tweeter. Power handling 60 W min, 90 W max; FR 38 Hz-25 kHz; imp 4 ohms. Custom finish .....\$2,780/pr  
**Model 323.** As above, 5-in woofer. FR 44 Hz-25 kHz .....\$1,790/pr

### Model 321 2-Way Bookshelf Speaker

Dual-voice-coil woofer. Power handling 50 W min, 80 W max; FR 43 Hz-34 kHz; sens 84 dB; imp 4 ohms. 7 x 14 x 10 in; 9 lb .....\$1,990/pr

### MEL Center Center-Channel Speaker

Coaxial design with 4-ohm impedance. 17 x 5 1/2 x 13 in .....\$820

### Model 211 Powered Subwoofer

200-W amp. Level control. Crossover point selectable at 70, 100, or 140 Hz; FR 18-140 Hz. 16 x 18 x 19 in; 55 lb .....\$790

## McINTOSH

### XR290 3-Way Speaker

Four 12-in woofers, twelve 5-in midranges, and twenty-four 1-in dome tweeters. Overload protection. Power handling 1,200 W max; FR 20 Hz-22 kHz  $\pm 2$  dB; sens 87 dB; imp 8 ohms. Oak, walnut, or black ash finish. Available by special order only. 28 1/2 x 83 x 12 1/2 in; 348 lb .....\$27,500/pr

### KRT26 3-Way Speaker

Two 12-in woofers, 8-in midrange in one enclosure, and twenty-three 1-in aluminum-dome tweeters in separate column. Overload protection. Includes stand for tweeter column. Power handling 1,000 W max; crossover points 100 Hz, 250 Hz, and 1.5 kHz; FR 32 Hz-22 kHz  $\pm 2$  dB; sens 87 dB; imp 4 ohms. Walnut or black ash finish. Woofer/midrange cabinet: 20 x 43 1/2 x 15 1/2 in. Tweeter column: 17 x 86 x 15 in .....\$14,000/pr

### SL-6 2-Way THX Speaker

Three 6 1/2-in polypropylene woofers and three 1-in metal-dome tweeters. THX-certified. Power handling 75 W min, 300 W max; FR 48 Hz-18 kHz  $\pm 2$  dB; sens 88 dB; imp 4 ohms. Walnut or black finish. 12 1/2 x 47 x 10 in; 56 lb .....\$2,500/pr

### SL-1 Powered Subwoofer

Dual flared-port design with 12-in front-firing woofer; amp rated at 250 W. Proprietary anti-clipping and anti-overdrive circuitry; THX certified; magnetic shielding. Left and right input; line- and speaker-level inputs; jack for remote-controlled turn-on from other McIntosh components. Phase switch; input-level controls; front-panel control; removable base. Crossover point variable from 50-125 Hz; FR 20-250 Hz. Black or walnut veneer finish. 5-yr warranty. 16 1/2 x 23 1/2 x 19 in .....\$2,000

### SL-4 2-Way Speaker

Two 6 1/2-in polypropylene woofers and one 1-in metal-dome tweeter. Power handling 75 W min, 150 W max; crossover point 2.4 kHz; FR 54 Hz-20 kHz  $\pm 2$  dB; sens 87 dB; imp 4 ohms. Black or walnut finish. 10 x 41 x 10 1/2 in; 47 lb .....\$1,400/pr

## HT Series

*The following are THX-certified.*

### HT3F 2-Way In-Wall THX Dipolar Surround Speaker

Dipolar design with two 5-in woofers and two 1-in dome tweeters. Angled baffles. Power handling

# Speakers

150 W; crossover point 1.5 kHz; FR 85 Hz-12 kHz; imp 4 ohms. Textured black with white paintable grille. Round frame. Mounting diameter: 15 1/2 in. Mounting depth 6-in .....\$2,000/pr  
**HT3W.** On-wall version of above .....\$2,000/pr

## HT2 THX Subwoofer

Bass-reflex design with two 12-in downward-firing woofers. Power handling 600 W; FR 42-200 Hz  $\pm$  2 dB; sens 91 dB; imp 4 ohms. Walnut or black ash finish. 30 x 20 1/2 x 20 in; 91 lb .....\$1,750

## HT1 2-Way THX Speaker

Two 8-in woofers and three 1-in aluminum-dome tweeters. Rotating tweeter panel. Power handling 300 W; crossover points 500 Hz and 1.4 kHz; FR 55 Hz-22 kHz  $\pm$  2 dB; sens 89 dB; imp 4 ohms. Walnut or black ash finish. 15 1/2 x 22 1/2 x 10 1/2 in; 42 lb .....\$1,100

## HT4 2-Way THX Center-Channel Speaker

Two 6 1/2-in injection-molded polypropylene woofers with copolymer baskets and three 1-in aluminum-dome tweeters. Power handling 200 W; crossover point 1.25 kHz; FR 60 Hz-22 kHz  $\pm$  2 dB; sens 87 dB; imp 4 ohms. Black ash finish. 21 x 8 x 10 1/2 in; 23 lb .....\$1,100

## MERLIN

The following have a black polyurethane finish with black knit grille.

## VSM Special Edition 2-Way Speaker

Bass-reflex design with 7-in woofer and 1 1/4-in tweeter. Rigid construction. Blampable terminals. Includes bass EQ and filter. Power handling 200 W; crossover point 2.2 kHz; FR 33 Hz-22 kHz  $\pm$  3 dB; sens 90 dB; imp 8 ohms. 10-yr warranty. 9 x 43 x 11 in; 80 lb .....\$5,950

**VSM GEN III.** As above without bass EQ and filter. FR 45 Hz-22 kHz  $\pm$  3 dB; sens 90 dB; imp 8 ohms. 77 lb .....\$4,500/pr

**VSM CC 2-Way Speaker.** As VSM Special Edition, no bass EQ and filter. FR 45 Hz-22 kHz  $\pm$  3 dB. 24 x 9 x 11 in; 44 lb .....\$2,250

## TSM 2-Way Speaker

Infinite-baffle design with 6 1/4-in woofer and 1 1/4-in tweeter. Rigid construction; magnetic shielding. Blampable terminals. Power handling 80 W; crossover point 2.2 kHz; FR 55 Hz-20 kHz  $\pm$  2 dB; sens 87 dB; imp 8 ohms. 5-yr warranty. 8 x 16 x 12 in; 26 lb .....\$2,100/pr  
**TSM CC.** As above, 6 1/2-in woofer .....\$1,050

## MIRAGE

### OM-6 3-Way Speaker/Powered Subwoofer

Powered subwoofer section with 2 side-firing bipolar 8-in drivers; speaker section with two 5 1/2-in injection-molded polypropylene woofers with butyl surrounds and two 1-in titanium/cloth hybrid-hyperbolic-dome tweeters arranged to produce wide omnidirectional radiation pattern. 150-W high current discrete MOSFET subwoofer amp with isolated power supply. Line- and speaker-level inputs; biampable terminals. Room bass-EQ adjustment and bass contour. Power handling 200 W; FR 18 Hz-25 kHz  $\pm$  3 dB; sens 91 dB; imp 6 ohms .....\$3,000/pr

### OM-8 3-Way Powered Speaker

Acoustic-suspension design with two 6 1/2-in long-throw polypropylene woofers, two 5 1/2-in injection-molded polypropylene midranges with copolymer baskets and butyl surrounds, and two 1-in tweeters; 100-W amp. MDF construction; multilevel bracing. 2 pr 5-way gold-plated terminals; line-level input. Volume and EQ controls; bass-EQ and contour. Crossover points 100 Hz and 1.9 kHz; FR 28 Hz-22 kHz; sens 91 dB; imp 8 ohms. Black gloss with black cloth knit grille. 10 x 44 x 17 in; 60 lb .....\$2,200/pr

### Vitali 2-Way Speaker

Two 5 1/2-in polypropylene woofers with copolymer

baskets and butyl surrounds and two 1-in tweeters. MDF construction; multilevel bracing. 2 pr 5-way gold-plated terminals. 5-yr warranty .....\$2,000/pr

### Substrata 1500 Powered Subwoofer

One active and one passive 10-in driver; 1500-W amp. Black. 12 x 12 x 12 in .....\$1,500

### FRX-9P 3-Way Powered Speaker

Bass-reflex design with 8-in woofer, two 5 1/2-in injection-molded polypropylene midranges with butyl surrounds and 3/4-in metal-dome cloth-suspension tweeter; 100-W amp. Molded baffle; multilevel bracing; magnetic shielding. 2 pr 5-way gold-plated terminals; line-level input. Volume and frequency control. Crossover points 100 Hz and 2 kHz; FR 25 Hz-22 kHz; sens 91 dB; imp 8 ohms. 5-yr warranty. 7 x 40 x 13 in .....\$1,300/pr

### Center Stage 3-Way Center-Channel Speaker

Two 6 1/2-in injection-molded polypropylene woofers with copolymer baskets and butyl surrounds, two 1 1/2-in midranges, and two 1-in tweeters. MDF construction; multilevel bracing. 1 pr 5-way gold-plated terminals. Black. 5-yr warranty. 24 lb .....\$1,200

### OM-10 2-Way Speaker

Bass-reflex design with two 6 1/2-in injection-molded polypropylene woofers with copolymer baskets and butyl surrounds and two 1-in tweeters. MDF construction; multilevel bracing. 2 pr 5-way gold-plated terminals. Power handling 200 W; crossover point 1.9 kHz; FR 28 Hz-22 kHz; sens 90 dB; imp 8 ohms. Black gloss with black cloth knit grille. 5-yr warranty. 9 x 47 x 12 in; 40 lb .....\$1,200/pr

**OM-12.** As above, two 5 1/2-in injection-molded polypropylene woofers with copolymer baskets and butyl surrounds. Power handling 150 W; crossover point 2 kHz; FR 32 Hz-22 kHz. 9 x 40 x 11 in; 37 lb .....\$900/pr

### Substrata 1000 Powered Subwoofer

12-in driver; 1,000-W amp. 16 x 16 x 16 in .....\$1,000

### AVS-5000 Home Theater System

6-piece system with a powered subwoofer with an 8-in driver; center speaker with two 3 1/2-in woofers and 1/2-in tweeter; four 2-way satellites, each with 3 1/2-in woofer and 1/2-in tweeter. Magnetic shielding; wood construction. 5-way terminals on satellites and center; speaker- and line-level inputs on subwoofer. Volume, phase, and EQ controls. Power handling 100 W; crossover point 2.2 kHz; FR 90 Hz-20 kHz center and satellites, 29 Hz-100 kHz subwoofer; sens 88 dB; imp 8 ohms. Black or white satellites. Center: 11 x 5 x 6 in. Satellites: 5 x 7 x 5 in. Subwoofer: 10 x 15 x 10 in .....\$800

### OM-C2 2-Way Center-Channel Speaker

Bass-reflex design with three 5 1/2-in injection-molded polypropylene woofers with copolymer baskets and butyl surrounds and two 1-in tweeters. MDF construction; multilevel bracing. Two pair of 5-way gold-plated terminals. Power handling 175 W; crossover point 2 kHz; FR 38 Hz-22 kHz; sens 90 dB; imp 8 ohms. Black gloss and black cloth knit grille. 5-yr warranty. 25 x 8 x 12 in; 30 lb .....\$750

### OM-14 2-Way Speaker

Bass-reflex design with two 5 1/2-in injection-molded polypropylene woofers with copolymer baskets and butyl surrounds and two 3/4-in metal-hybrid tweeters. MDF construction; multilevel bracing. Two pair of 5-way gold-plated terminals. Power handling 150 W; crossover point 2 kHz; FR 38 Hz-22 kHz; sens 90 dB; imp 8 ohms. Black gloss with black cloth knit grille. 5-yr warranty. 9 x 35 x 11 in; 32 lb .....\$700/pr

### FRX-7 2-Way Speaker

Bass-reflex design with two 5 1/2-in injection-molded polypropylene woofers with butyl surrounds and 3/4-in metal-dome cloth-suspension tweeter. Molded baffle; multilevel bracing; magnetic shielding. Two pair of 5-way gold-plated terminals. Power handling 200 W; crossover point 2 kHz; FR 35

Hz-22 kHz; sens 91 dB; imp 8 ohms. 5-yr warranty. 7 x 36 x 13 in .....\$600/pr

**FRX-5.** As above, 6 1/2-in injection-molded polypropylene woofer with butyl surrounds. Power handling 150 W; FR 40 Hz-22 kHz; sens 90 dB; imp 8 ohms. 7 x 33 x 13 in .....\$500/pr

### OM-R2 2-Way Speaker

Acoustic-suspension design with two 5 1/2-in injection-molded polypropylene woofers with copolymer baskets and butyl surrounds and two 1-in tweeters. MDF construction; multilevel bracing. One pair of 5-way gold-plated terminals. Power handling 125 W; crossover point 2 kHz; FR 80 Hz-20 kHz; sens 89 dB; imp 8 ohms. Black or white. 5-yr warranty. 7 x 12 x 7 in; 13 lb .....\$500/pr

### FRX-3 2-Way Bookshelf Speaker

Bass-reflex design with 6 1/2-in injection-molded polypropylene woofer with butyl surrounds and 3/4-in metal-dome cloth-suspension tweeter. Molded baffle; multilevel bracing; magnetic shielding. Gold-plated 5-way terminals. Power handling 110 W; FR 47 Hz-22 kHz; sens 88 dB; imp 8 ohms. 5-yr warranty. 7 x 14 x 10 in .....\$350/pr

### FRX-R 2-Way Surround Speaker

Bass-reflex design with 5 1/2-in injection-molded polypropylene with butyl surrounds and two 3/4-in metal-dome cloth-suspension tweeter. Molded baffle; multilevel bracing. 5-way gold-plated terminals. Power handling 100 W; crossover point 2 kHz; FR 55 Hz-22 kHz; sens 89 dB; imp 8 ohms. 5-yr warranty. 13 x 7 x 5 in .....\$350/pr

**FRX-1.** As above, bookshelf version. One 3/4-in metal-dome cloth-suspension tweeter. Sens 88 dB. 7 x 13 x 9 in .....\$250/pr

**FRX-C.** As above, center-channel version. Two 4 1/2-in injection-molded polypropylene woofers with butyl surrounds. FR 58 Hz-22 kHz; sens 89 dB. 17 x 6 x 11 in .....\$250

### MBS 3-Way Bipolar Surround Speaker

Bipolar 3rd-order sealed design with two 4 1/2-in injection-molded polypropylene woofers and two 1/2-in ferrofluid-cooled vapor-deposited titanium-dome tweeters. Magnetic shielding. Compatible with Mirage powered subs. Power handling 100 W rms; FR 120 Hz-20 kHz; sens 88 dB; imp 8 ohms. High-gloss black or white. 11 x 7 x 5 1/2 in; 7 lb .....\$350/pr

### OM-C2 2-Way Center-Channel Speaker

Bass-reflex design with two 5 1/2-in injection-molded polypropylene woofers with copolymer baskets and butyl surrounds, and two 1-in tweeters. MDF construction; multilevel bracing. 5-way gold-plated terminals. Power handling 175 W; FR 40 Hz-23 kHz; sens 90 dB; imp 6 ohms. Black finish. 5-yr warranty. 21 x 7 x 11 in; 24 lb .....\$350

**OM-C3 2-Way.** As above, two 5 1/2-in woofers with injection-molded copolymer baskets and butyl surrounds .....\$350

### Oasis 2-Way Outdoor Speaker

Acoustic-suspension design with 5 1/4-in injection-molded woofer with rubber surround and 1/2-in flared-dome ferrofluid-cooled tweeter. Injection-molded water-resistant enclosure. Gold-plated terminals. Power handling 100 W rms; FR 65 Hz-20 kHz; sens 88 dB; imp 8 ohms. Black or white finish .....\$300/pr

### AVS-200 2-Way Speaker

Acoustic-suspension design with 3 1/2-in polypropylene woofer and 1-in dome tweeter. MDF construction. One pair of 5-way gold-plated terminals. Power handling 100 W; crossover point 2.2 kHz; FR 90 Hz-20 kHz; sens 89 dB; imp 8 ohms. Black or white. 5-yr warranty. 4 x 7 x 5 1/2 in; 15 lb .....\$180

**AVS-100 2-Way Center-Channel Speaker.** As above, two 3 1/2-in polypropylene woofers. 11 x 4 x 5 in; 3 lb .....\$150

### BPS Powered Subwoofers

#### BPSS-210 Bipolar Powered Subwoofer

Bipolar acoustic-suspension design with two 10-

# Speakers

In drivers; amp rated at 250 W. Dual chambers; dual push-pull surround; Class A/B amp with servo-control. FR 18-100 Hz  $\pm 3$  dB. 24 x 18 x 18 in; 98 lb . . . . . \$1,700

## BPS-400 Bipolar Powered Subwoofer

Bipolar acoustic-suspension design with two 12-in drivers; amp rated at 400 W. Protection circuitry. Line-level inputs. Level control; adjustable low-pass filter. FR 16-100 Hz. Gloss black finish \$1,300

## BPS-150i Bipolar Powered Subwoofer

Bipolar bass-reflex design with two 8-in drivers; amp rated at 150 W. Protection circuitry. Line- and speaker-level inputs and outputs. Level control; adjustable low-pass filter; 0-180° phase control; A/V EQ switch. FR 23-150 Hz. High-gloss black finish . . . . . \$800

**PS-12i.** As above, one 12-in front-firing vented driver. FR 22-150 Hz . . . . . \$600

**PS-10i.** As above, 100-W amp and one 10-in driver. FR 28-150 Hz . . . . . \$400

**PS-8i.** As above, one 8-in driver. FR 29-100 Hz. 16 x 10 x 11 in . . . . . \$300

## Architectural Series

*The following include a white mounting kit and have a 3-in mounting depth.*

## MIDS-6.5 2-Way In-Wall Speaker

6½-in polypropylene woofer and 1-in titanium-dome tweeter. Power handling 100 W; FR 45 Hz-22 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. Rectangular frame. Mounting area: 9 x 13 in . . . . . \$400/pr

## MIDS-5.25R 2-Way In-Wall Speaker

5¼-in polypropylene woofer and ½-in polycarbonate tweeter. Power handling 80 W; FR 60 Hz-20 kHz  $\pm 3$  dB; sens 86 dB; imp 8 ohms. Round frame. Mounting diameter: 8 in . . . . . \$250/pr

## MISSION

### Model 775 2-Way Speaker

Bass-reflex design with two 6½-in Aerogel-membrane woofers, one 1-in ferrofluid-cooled viscous-laminated fabric-dome tweeter. 1st- and 2nd-order crossovers; profiled 1½-in MDF front baffle; leaf-sprung tweeter mounting; ¾-in thick cabinet. Biampable terminals. Phase-control correction plug. Power handling 25-175 W; crossover point 3 kHz; FR 38 Hz-20 kHz  $\pm 3$  dB; sens 92 dB; imp 8 ohms. Rosewood, cherry, or graphite-black wood veneer. 5-yr parts-and-labor warranty. 9 x 43 x 12 in . . . . . \$2,000/pr

### Model 705 Active 3-Way Speaker

Bass-reflex design with two 8-in glass-fiber composite-cone woofers, one 6¼-in glass-fiber composite-cone midrange, and one 1-in ferrofluid-cooled soft-dome tweeter. ¾-in high-density cabinet; profiled MDF baffle; anti-turbulence port tube; isolated midrange enclosure; second-order active-internal low-pass filter. Biampable terminals; line-level input jacks. Input-level control; phase-control correction plug. Power handling 25-250 W; crossover points 120 Hz and 4 kHz; FR 30 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. Black-ash veneer finish. 5-yr parts-and-labor warranty. 10 x 52 x 17 in . . . . . \$1,750/pr

### Model 705 3-Way Speaker

Bass-reflex design with two 8-in profiled glass-composite cone woofer, one 6½-in profiled glass-composite cone midrange in damped enclosure, and one 1-in ferrofluid-cooled soft-dome tweeter. 3-way active/passive crossover; MDF enclosure. Biampable multiway binding posts. Auto on/off switch. Power handling 250 W; crossover points 120 Hz and 4 kHz; FR 30 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. Black ash. 10 x 52 x 17 in . . . . . \$1,250/pr

### Model 774 2-Way Speaker

Bass-reflex design with two 5¼-in Aerogel woofers and one 1-in ferrofluid-cooled viscous-laminated fabric-dome tweeter. 1st- and 2nd-order crossover;

profiled 1½-in MDF front baffle; leaf-sprung tweeter mounting; ¾-in thick cabinet. Biampable terminals. Phase-control correction plug. Power handling 25-150 W; crossover point 3 kHz; FR 45 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Rosewood, cherry, or graphite-black wood veneer. 5-yr parts-and-labor warranty. 7¼ x 36¼ x 12¼ in . . . . . \$1,200/pr

### Model 77AS2 Powered Subwoofer

Infinite-baffle design with two 8-in multifiber-pulp-cone drivers; 100-W amp. ¾-in high density cabinet with profiled MDF baffle. Line-level inputs; binding posts. Crossover point variable from 40-180 Hz; FR 35-200 Hz  $\pm 3$  dB. Rosewood, cherry, or graphite-black wood veneer. 5-yr parts-and-labor warranty. 18 x 20 x 18 in . . . . . \$1,000

### Model 704 3-Way Speaker

Bass-reflex design with 8-in profiled glass-composite cone woofer, 6½-in profiled glass-composite cone midrange, and 1-in ferrofluid-cooled soft-dome tweeter. Sealed midrange enclosure; anti-turbulence port tube; MDF enclosure. Biampable multiway binding posts. Power handling 250 W; crossover points 120 Hz and 4 kHz; FR 35 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. Black ash. 10 x 42 x 17 in . . . . . \$875/pr

### Model 773 2-Way Bookshelf Speaker

Bass-reflex design with 5¼-in Aerogel woofer and 1-in ferrofluid-cooled viscous-laminated fabric-dome tweeter. Inverted Driver Geometry woofer/tweeter configuration; 1st- and 2nd-order crossover; profiled 1½-in MDF front baffle; ¾-in thick cabinet. Biampable terminals. Phase-control correction plug. Power handling 25-100 W; crossover point 3 kHz; FR 50 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. Rosewood, cherry, or graphite-black wood veneer. 5-yr parts-and-labor warranty. 6¼ x 33¼ x 10¼ in . . . . . \$800/pr

**Model 772.** As above, leaf-sprung tweeter mounting; no phase-control correction plug. FR 60 Hz-20 kHz  $\pm 3$  dB. 6¼ x 16¼ x 10¼ in . . . . . \$600/pr

**Model 771.** As above, biampable terminals with shorting bars. Phase-control correction plug. FR 75 Hz-20 kHz  $\pm 3$  dB. 6¼ x 12¼ x 9¼ in . . . . . \$400/pr

### AS 2 Powered Subwoofer

Reflex-loaded design with 12-in driver; 150-W amp. Variable low-pass filter; MDF enclosure. Line- and speaker-level inputs. Level control. Crossover point adjustable from 48-180 Hz; FR 20-250 Hz  $\pm 6$  dB. Black ash finish . . . . . \$699

**AS 1.** As above, 10-in driver; 100-W amp . . . . . \$499

### Model 77c2 2-Way Center-Channel Speaker

One magnetically-shielded 6½-in Aerogel woofer, one 6½-in Aerogel passive radiator, and three 1-in ferrofluid-cooled viscous-laminated fabric-dome tweeters in vertical array with magnetic shielding. 1st- and 2nd-order crossover; profiled 1½-in MDF front baffle; ¾-in thick cabinet. Binding posts. Power handling 25-100 W; FR 60 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. Rosewood, cherry, or graphite-black wood veneer. 5-yr parts-and-labor warranty. 18 x 8 x 9 in . . . . . \$600

**Model 77c1.** As above, one magnetically-shielded 5¼-in Aerogel woofer, one 5¼-in Aerogel passive radiator. Phase-control correction plug. Power handling 20-100 W; FR 75 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. 16¼ x 6¼ x 7¼ in . . . . . \$350

### Model 77s2 2-Way In-Wall Dipolar Surround Speaker

Bass-reflex design with two 5¼-in Aerogel woofers, two 1-in viscous-laminated fabric-dome tweeters. Injection-molded polymer cabinet. Binding posts. Power handling 25-100 W; crossover point 3 kHz; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. 5-yr parts-and-labor warranty. 14 x 10 x 5 in . . . . . \$600/pr

**Model 77s1.** As above, two 4-in graphite composite woofers . . . . . \$350/pr

### Model 703 2-Way Speaker

Bass-reflex design with 8-in profiled glass-composite cone woofer and 1-in ferrofluid-cooled soft-dome tweeter. Antiturbulence port tube; MDF enclosure. Biampable multiway binding posts. Power handling 150 W; crossover points 90 Hz and 4 kHz; FR 40 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black ash. 10 x 38 x 15 in . . . . . \$599/pr

**Model 702.** As above, bookshelf version. Crossover point 4 kHz; FR 45 Hz-20 kHz  $\pm 3$  dB. 10 x 21 x 15 in . . . . . \$500/pr

**Model 701.** As above, 6½-in glass-composite-cone woofer. Power handling 100 W; FR 50 Hz-20 kHz  $\pm 3$  dB; sens 89 dB. 9 x 18 x 12 in . . . . . \$375/pr

**Model 700.** As above, 5¼-in woofer. Power handling 75 W; FR 60 Hz-20 kHz  $\pm 3$  dB; sens 87 dB. 7¼ x 14 x 10¼ in . . . . . \$250/pr

### Model 70AS Powered Subwoofer

Bass-reflex design with 10-in multifiber-pulp-cone driver; 100-W amp. Anti-turbulence port tube; ¾-in high density cabinet with profiled MDF baffle. Binding posts; line-level input jacks. Crossover point variable from 40-180 Hz; FR 40-200 Hz  $\pm 3$  dB. Black-ash veneer finish. 5-yr parts-and-labor warranty. 16 x 18 x 15 in . . . . . \$500

### Model 750 Limited Edition 2-Way Bookshelf Speaker

Reflex-loaded design with 5¼-in woofer and 1-in ferrofluid-cooled fabric-dome tweeter with neodymium magnet. Biampable gold-plated binding posts. Power handling 30-100 W; crossover point 3 kHz; FR 70 Hz-20 kHz  $\pm 3$  dB; sens 86 dB. Rosewood finish. 6½ x 11 x 10¼ in . . . . . \$500/pr

### Model 73 2-Way Speaker

Bass-reflex design with 4¼-in Plastiflex woofer and ½-in polycarbonate-dome tweeter with ferrofluid-cooling. Inverted Driver Geometry woofer/tweeter configuration; magnetic shielding; simple-slope crossover; hexagonal cabinet styling. Stand or wall mount. Mounting brackets optional. Power handling 20-50 W; crossover point 3.5 kHz; FR 70 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black or white finish. 5-yr parts-and-labor warranty. 6 x 10¼ x 6 in . . . . . \$250/pr

### Model 731i 2-Way Bookshelf Speaker

Reflex-loaded design with 5¼-in treated-paper-cone woofers and 1-in ferrofluid-cooled silk-dome tweeter. Isolated injection-molded mica-loaded polypropylene baffles; Inverted Driver Geometry woofer/tweeter configuration; high-density particleboard-wrap enclosure; polyester-fiber damping. Single-wire binding posts. Power handling 75 W; crossover point 3.1 kHz; FR 75 Hz-20 kHz  $\pm 2.5$  dB; sens 89 dB; imp 8 ohms. Black ash finish. 12¼ x 7 x 8 in . . . . . \$249/pr

## MITSUBISHI

### M-FS10 3-Way Speaker

Bass-reflex design with 10-in polymer woofer, 5¼-in polymer midrange, and 1-in soft-dome tweeter. Magnetic shielding. One-touch terminals with banana plug capability. Power handling 150 W max; FR 35 Hz-20 kHz; sens 92 dB; imp 8 ohms. Black Diamond gray with removable grille. 5-yr parts-and-labor warranty. 12¼ x 38¼ x 12¼ in; 55 lb . . . . . \$899

### M-FS8 2-Way Speaker

Bass-reflex design with 8-in polymer woofer and 1-in polycarbonate-dome tweeter. Magnetic shield-

**The Glossary on page 243  
will help you tell hertz (Hz)  
from decibels (dB)  
and MiniDiscs (MD) from  
megabytes (MB).**

# Speakers

ing. Power handling 120 W; FR 40 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black Diamond gray. 10 x 36 $\frac{1}{2}$  x 13 $\frac{1}{2}$  in; 50 lb .....\$699/pr

## M-DS616 2-Way Bookshelf Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in polymer woofer and 1-in soft-dome tweeter. Magnetic shielding. One-touch terminals with banana plug capability. Power handling 150 W max; FR 45 Hz-20 kHz; sens 91 dB; imp 8 ohms. Black Diamond gray with removable grille. 5-yr parts-and-labor warranty. 8 $\frac{1}{2}$  x 20 x 12 $\frac{1}{2}$  in; 24 lb .....\$599/pr

## M-SUB12 Powered Subwoofer

Bass-reflex design with 12-in polymer driver; 120-W amp. Level control; auto standby. Crossover point variable from 50-200 Hz; FR 28-200 Hz. Black Diamond gray. 15 $\frac{1}{2}$  x 17 $\frac{1}{2}$  x 20 $\frac{1}{2}$  in; 50 lb ....\$599

## M-SUB10 Powered Subwoofer

10-in polymer driver; 60-W amp. Level control; auto standby. Crossover point variable from 50-200 Hz; FR 38-200 Hz. 15 $\frac{1}{2}$  x 14 x 15 $\frac{1}{2}$  in; 35 lb ..\$449

## M-CTR6 2-Way Bookshelf Speaker

Bass-reflex design with two 6 $\frac{1}{2}$ -in polymer woofers and one 1-in soft-dome tweeter. Magnetic shielding; horizontal array for improved sound dispersion. One-touch terminals with banana plug capability. Power handling 150 W max; FR 45 Hz-20 kHz; sens 91 dB; imp 8 ohms. Black Diamond gray. 5-yr parts-and-labor warranty. 20 x 8 $\frac{1}{4}$  x 12 $\frac{1}{2}$  in; 24 lb .....\$399

## M-SS6 2-Way Bookshelf Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in polymer woofer and  $\frac{1}{4}$ -in polycarbonate-dome tweeter. Magnetic shielding. Power handling 80 W; FR 50 Hz-20 kHz; sens 89 dB; imp 8 ohms. Black Diamond gray. 8 x 15 $\frac{1}{2}$  x 9 in; 15 lb .....\$399/pr

## M-CTR5 2-Way Center-Channel Speaker

Horizontal array with two 5 $\frac{1}{4}$ -in polymer woofers and one  $\frac{3}{4}$ -in polycarbonate-dome tweeter. Magnetic shielding. Power handling 100 W; FR 80 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black Diamond gray. 20 x 6 $\frac{1}{2}$  x 8 $\frac{1}{2}$  in; 23 lb .....\$299

## M-SS5 2-Way Surround Speaker

5 $\frac{1}{4}$ -in polymer woofer and  $\frac{3}{4}$ -in polycarbonate-dome tweeter. Power handling 60 W; FR 80 Hz-20 kHz; sens 87 dB; imp 8 ohms. Black Diamond gray. 6 $\frac{1}{2}$  x 9 $\frac{1}{2}$  x 6 $\frac{1}{2}$  in; 9 lb .....\$299/pr

## MONITOR AUDIO

### ASW 210 Powered Subwoofer

Differentially-tuned dual 10-in gold ceramoy woofers; amp rated at 200 W. MDF cabinet. 0-180° phase control; A/V switch; volume control. Crossover point continuously variable from 24-140 Hz  $\pm$ 3 dB. Black satin. 15 x 22 $\frac{1}{4}$  x 17 $\frac{1}{4}$  in .....\$999

### ASW 110 Powered Subwoofer

10-in gold ceramoy driver; amp rated at 150 W. MDF cabinet. 0-180° phase control; A/V switch; volume control. Crossover point continuously variable from 30-140 Hz  $\pm$ 3 dB. Black satin. 14 x 14 x 15 in .....\$599

### Studio Series

#### Studio 60 3-Way Speaker

Bass-reflex design with two 6 $\frac{1}{2}$ -in ceramoy woofers, 6 $\frac{1}{4}$ -in midrange, and 1-in gold-alloy dome tweeter with  $\frac{1}{4}$ -in thick metal housing. Differentially-tuned driver subenclosures; dual-veneered MDF cabinet. Power handling 300 W; FR 26 Hz-28 kHz  $\pm$ 3 dB; sens 90 dB; imp 8 ohms. Black oak finish. 44 x 8 x 12 in .....\$9,995  
Piano black .....\$11,995  
Rosewood .....\$10,995

#### Studio 50 3-Way Speaker

Acoustic-suspension design with two 6 $\frac{1}{4}$ -in ceramoy-woofer, one 6 $\frac{1}{4}$ -in midrange, and one 1-in anodized-gold dome tweeter. Dual-veneered

MDF cabinet. Power handling 250 W; FR 25 Hz-30 kHz  $\pm$ 3 dB; sens 89 dB; imp 8 ohms. Black oak finish. 8 x 42 x 12 in .....\$5,999/pr  
Piano-black or piano-rosewood finish .....\$7,595/pr  
Rosewood finish .....\$6,595/pr

#### Studio 20se 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{4}$ -in ceramoy-cone woofer and 1-in anodized-gold dome tweeter. Dual-veneered MDF cabinet; mass-loadable. Power handling 20-200 W; FR 33 Hz-30 kHz  $\pm$ 3 dB; sens 89 dB; imp 8 ohms. Black oak finish. 8 x 36 x 10 in .....\$3,499/pr  
Piano-black finish .....\$5,399/pr  
Rosewood finish .....\$4,499/pr

#### Studio 6 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{4}$ -in ceramoy-cone woofer and 1-in anodized-gold dome tweeter. MDF cabinet. Power handling 20 W min, 200 W max; FR 40 Hz-30 kHz  $\pm$ 3 dB; sens 88 dB; imp 8 ohms. Black oak finish. 9 x 14 x 10 in .....\$1,799/pr  
Piano-rosewood or piano-black finish .....\$2,399/pr  
Rosewood finish .....\$1,899/pr

#### Studio Center 2-Way Center-Channel Speaker

Bass-reflex design with two 6 $\frac{1}{2}$ -in ceramoy-cone woofer and one 1-in anodized-gold dome tweeter with  $\frac{1}{4}$ -in thick-metal housing. Power handling 200 W; FR 38 Hz-30 kHz  $\pm$ 3 dB; sens 89 dB; imp 6 ohms. Black oak. 20 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 8 in .....\$1,499  
Piano finish .....\$1,899  
Rosewood .....\$1,599

#### Studio 2se 2-Way Speaker

Bass-reflex design with 4 $\frac{1}{2}$ -in ceramoy-cone woofer and 1-in anodized-gold dome tweeter. MDF cabinet. FR 60 Hz-30 kHz  $\pm$ 3 dB; sens 87 dB; imp 8 ohms. Black or light oak finish. 7 x 11 x 8 in .....\$1,099/pr  
Piano-rosewood or piano-black finish .....\$1,599/pr  
Rosewood finish .....\$1,399/pr

### Full Metal Theater Series

#### Model 705PMC 2-Way Speaker

Acoustic-suspension design with two 6 $\frac{1}{4}$ -in ceramoy-cone woofers and one 1-in anodized-gold dome tweeter. Power handling 300 W; FR 28 Hz-30 kHz  $\pm$ 3 dB; sens 90 dB; imp 6 ohms. Black oak veneer. 8 x 36 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in .....\$2,299/pr  
Rose Mahogany .....\$2,399/pr

#### Model 703PMC 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{4}$ -in ceramoy-cone woofer and 1-in anodized-gold dome tweeter. Dual-veneered MDF cabinet; mass loadable. Power handling 200 W; FR 30 Hz-30 kHz  $\pm$ 3 dB; sens 90 dB; imp 8 ohms. Black oak finish. 8 x 34 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in .....\$1,799/pr  
Rose Mahogany finish .....\$1,899/pr

#### Model 702PMC 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{4}$ -in ceramoy-cone woofer and 1-in anodized-gold dome tweeter. Dual-veneered MDF cabinet. Power handling 200 W; FR 33 Hz-30 kHz  $\pm$ 3 dB; sens 89 dB; imp 8 ohms. Black oak finish. 8 x 16 x 9 $\frac{1}{2}$  in .....\$1,299/pr  
Rose finish .....\$1,399/pr

#### CC70 2-Way Center-Channel Speaker

Bass-reflex design with two 6 $\frac{1}{2}$ -in ceramoy-cone woofer and one 1-in anodized-gold dome tweeter. MDF cabinet. Power handling 200 W; FR 40 Hz-30 kHz  $\pm$ 3 dB; sens 89 dB; imp 6 ohms. Black satin. 22 x 8 $\frac{1}{2}$  x 8 in .....\$999

#### Model 700PMC 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{4}$ -in ceramoy-cone woofer and 1-in anodized-gold dome tweeter. MDF cabinet. Power handling 200 W; FR 35 Hz-30 kHz  $\pm$ 3 dB; sens 89 dB; imp 8 ohms. Black oak. 9 x 14 x 9 $\frac{1}{2}$  in .....\$999/pr  
Rose mahogany .....\$1,099/pr

#### CC700 2-Way Center-Channel Speaker

Bass-reflex design with two 5 $\frac{1}{4}$ -in ceramoy-cone woofer and one 1-in anodized-gold dome tweeter.

MDF cabinet. Power handling 200 W; FR 45 Hz-30 kHz  $\pm$ 3 dB; sens 89 dB; imp 6 ohms. Black satin finish. 20 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 8 in .....\$799

### Rear Effects

#### MAFX-2 2-Way Bipolar/Dipolar Speaker

Two 5 $\frac{1}{4}$ -in bipolar aluminum-magnesium woofers and two  $\frac{3}{4}$ -in dipolar aluminum-magnesium tweeters. Power handling 150 W; FR 50 Hz-22 kHz; sens 89 dB; imp 6 ohms. Black or white vinyl finish. 10 $\frac{1}{2}$  x 9 $\frac{1}{2}$  x 7 $\frac{1}{2}$  in .....\$1,199  
MAFX-1. As above with cobex woofers .....\$799

### Custom Metal Theater Series

#### Monitor-3 2-Way Speaker

Acoustic-suspension design with two 5 $\frac{1}{4}$ -in cobex woofers and one  $\frac{3}{4}$ -in anodized-gold dome tweeter. Magnetic shielding; mass loadable. Power handling 200 W max; FR 40-22 kHz  $\pm$ 3 dB; sens 90 dB W/m; imp 6 ohms. Black oak or rose mahogany veneer finish. 6 $\frac{1}{2}$  x 34 $\frac{1}{2}$  x 8 in .....\$999/pr

#### Monitor-2.5 2-Way Bookshelf Speaker

5 $\frac{1}{4}$ -in cobex woofer and  $\frac{3}{4}$ -in anodized-gold dome tweeter. Magnetic shielding. Biampable terminals. Power handling 200 W max; FR 50 Hz-24 kHz  $\pm$ 3 dB; sens 88 dB W/m; imp 8 ohms. Black oak or rose mahogany veneer finish. 6 $\frac{1}{2}$  x 12 $\frac{1}{2}$  x 8 in .....\$699/pr

#### CC300 2-Way Center-Channel Speaker

Bass-reflex design with two 5 $\frac{1}{4}$ -in cobex woofers and one  $\frac{3}{4}$ -in anodized-gold tweeter. MDF cabinet. Power handling 200 W max; FR 40 Hz-24 kHz dB; sens 89 dB; imp 6 ohms. Black satin finish. 20 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 8 in .....\$499

#### MA301 2-Way Bookshelf Speaker

5 $\frac{1}{4}$ -in cobex woofer and  $\frac{3}{4}$ -in anodized-gold dome tweeter. MDF cabinet; magnetic shielding. Biampable terminals. Power handling 100 W; FR 55 Hz-24 kHz  $\pm$ 3 dB; sens 88 dB W/m; imp 8 ohms. Black satin finish. 6 $\frac{1}{2}$  x 10 $\frac{1}{2}$  x 8 in .....\$499/pr

### In-Wall Series

#### IW PMC 2-Way In-Wall Speaker

6 $\frac{1}{2}$  ceramoy woofer and 1-in ceramoy-dome pivoting tweeter. Built-in EQ with  $\pm$ 6-dB boost/cut. Power handling 200 W max; FR 45 Hz-28 kHz  $\pm$ 3 dB; sens 88 dB W/m; imp 8 ohms .....\$899/pr

#### IW 2.5 2-Way In-Wall Speaker

6 $\frac{1}{2}$  cobex woofer and  $\frac{3}{4}$ -in ceramoy-dome pivoting tweeter. Built-in EQ with  $\pm$ 6-dB boost/cut. Power handling 150 W max; FR 45 Hz-24 kHz  $\pm$ 3 dB; sens 89 dB W/m; imp 8 ohms .....\$499/pr

#### Round two it 2-Way In-Wall Speaker

Coaxial design with 6 $\frac{1}{2}$ -in cobex woofer and  $\frac{3}{4}$ -in gold-dome tweeter. Power handling 150 W max; FR 50 Hz-24 kHz  $\pm$ 3 dB; sens 88 dB W/m; imp 8 ohms .....\$399/pr

## MONSTER SOUND

### InvisiSound IS-8000 2-Way Speaker

8-in woofer and 1-in dome tweeter. Over-drive protection circuitry. 5-way binding posts. Adjustable high-frequency control. Includes retrofit mounting hardware. Power handling 120 W; FR 48 Hz-20 kHz; imp 8 ohms. 5-yr warranty. 8 $\frac{1}{2}$  x 12 $\frac{1}{2}$  x 3 $\frac{1}{2}$  in .....\$400/pr

### InvisiSound IS-6500 2-Way In-Wall Speaker. As above, 6 $\frac{1}{2}$ -in woofer. Power handling 100 W; FR 60 Hz-20 kHz. 7 $\frac{1}{2}$ x 10 $\frac{1}{2}$ x 3 $\frac{1}{2}$ in .....\$300/pr

InvisiSound IS-5250R. As above, 5 $\frac{1}{4}$ -in woofer. Power handling 80 W; FR 70 Hz-20 kHz. 6 $\frac{1}{2}$  x 9 $\frac{1}{2}$  x 3 $\frac{1}{2}$  in .....\$125

## MOREL

The following carry a 5-year warranty. Stands are available in 9- and 20-inch heights.

#### MLP-501 3-Way Speaker

8 $\frac{1}{2}$ -in woofer, 2-in soft-dome midrange, and 1 $\frac{1}{2}$ -in

# Speakers

ferrofluid-cooled soft-dome tweeter. Sealed cabinet system; low-distortion midrange. Copper binding posts. Includes spikes. Power handling 180 W rms; FR 36 Hz-22 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. 10 $\frac{1}{4}$  x 33 x 12 in; 42 lb ..... \$995/pr

## Duet 2-Way Bookshelf Speaker

6-in woofer and 1 $\frac{1}{2}$ -in ferrofluid-cooled soft-dome tweeter. Power handling 150 W rms; FR 40 Hz-22 kHz  $\pm 2$  dB; sens 89 dB; imp 8 ohms. Black finish. 8 x 15 x 12 in; 26 lb ..... \$995/pr

## MLP-403.5 3-Way Bookshelf Speaker

9-in woofer, 3-in soft-dome midrange, and 1-in ferrofluid-cooled soft-dome tweeter. Proprietary voice-coil wiring. Copper binding posts. Power handling 150 W rms; FR 38 Hz-25 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Walnut, teak, or black wood veneer. 12 x 21 $\frac{1}{4}$  x 10 $\frac{1}{2}$  in; 27 lb ..... \$845/pr

## Encore Subwoofer/Satellite System

3-speaker system featuring subwoofer with two 9-in drivers in push-pull configuration; 2 satellites, each with 6-in cone woofer and 1 $\frac{1}{2}$ -in ferrofluid-cooled soft-dome tweeter in separate enclosures. Crossover with high and low pass filters. Power handling 150 W rms sub, 120 W rms sat; crossover point 90 Hz; FR 30 Hz-22 kHz  $\pm 3$  dB system; sens 91 dB; imp 4 ohms. Subwoofer: 20 x 11 x 14 in. Satellite: 7 x 11 x 6 in ..... \$829

## MLP-202.2 2-Way Bookshelf Speaker

6-in long-throw woofer and 1 $\frac{1}{2}$ -in ferrofluid-cooled soft-dome tweeter. Copper binding posts. Power handling 150 W; FR 58 Hz-28 kHz  $\pm 3$  dB; sens 88 dB; imp 4 ohms. 8 x 13 x 10 in; 17 lb ..... \$545/pr

## MLP-201.2 2-Way Bookshelf Speaker

9-in woofer and 1 $\frac{1}{2}$ -in ferrofluid-cooled soft-dome tweeter. Power handling 100 W rms; FR 48 Hz-25 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. Red walnut or black wood veneer. 10 x 16 x 10 in; 19 lb ..... \$450/pr

## MLP-201.3 2-Way Bookshelf Speaker

6-in woofer and 1 $\frac{1}{2}$ -in ferrofluid-cooled soft-dome tweeter. Power handling 120 W rms; FR 40 Hz-20 kHz; sens 90 dB; imp 6 ohms. 8 $\frac{1}{2}$  x 13 x 10 in ..... \$350/pr

## MTX

### PS15 Powered Subwoofer

Acoustic-suspension design with 15-in down-firing driver; 200-W amp. Magnetic shielding; 24-dB/oct crossover slope. Line- and speaker-level inputs; 6-dB/oct high-pass speaker-level output; 12-dB/oct line-level output. Dynamic throw control; electronic EQ controls; auto on; infrared remote control. Crossover point continuously variable from 50-150 Hz. 17 x 17 $\frac{1}{4}$  x 19 $\frac{1}{2}$  in ..... \$599

### PS12 Powered Subwoofer

Bass-reflex design with 12-in down-firing driver; 100-W amp. Magnetic shielding; 12-dB/oct crossover slope. Line- and speaker-level inputs; 6-dB/oct high-pass output. Electronic EQ controls; auto on; infrared remote control. Crossover point continuously variable from 40-150 Hz. 16 x 16 $\frac{1}{2}$  x 18 in ..... \$449

PS10. As above, 10-in driver. 15 x 15 $\frac{1}{2}$  x 17 in ..... \$399

## AAL Series

### AAL2230 3-Way Speaker

Two 12-in treated-fiber woofers, one 5-in ferrofluid-cooled sealed-cone midrange, and one 2 x 5-in quartz-horn tweeter. Power handling 300 W rms; FR 38 Hz-22 kHz; sens 93 dB; imp 4 ohms. 16 x 39 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in ..... \$360

### AAL1540 4-Way Speaker

15-in treated-fiber woofer, 5- and 3-in ferrofluid-cooled sealed-cone midranges, and 2 x 5-in quartz-horn tweeter. Power handling 125 W rms; FR 40 Hz-22 kHz; sens 92 dB; imp 4 ohms. Oak or black finish. 18 $\frac{1}{2}$  x 29 x 14 $\frac{1}{2}$  in ..... \$290

AAL1240. As above, 12-in woofer. Power handling 100 W rms; FR 50 Hz-22 kHz. 15 $\frac{1}{2}$  x 27 x 10 $\frac{1}{4}$  in ..... \$230

### AAL620S 2-Way Bookshelf Speaker

6 $\frac{1}{2}$ -in treated-fiber woofer and  $\frac{1}{2}$ -in polycarbonate-dome tweeter. Magnetic shielding. Power handling 40 W rms; FR 90 Hz-20 kHz; sens 88 dB; imp 8 ohms. Oak or black finish. 9 $\frac{1}{2}$  x 12 $\frac{1}{2}$  x 7 in ..... \$200/pr

AAL600. As above, no magnetic shielding ..... \$170/pr

### AAL1030 3-Way Speaker

10-in treated-fiber woofer, 5-in ferrofluid-cooled sealed-cone midrange, and 2 x 5-in quartz-horn tweeter. Power handling 75 W rms; FR 55 Hz-22 kHz; sens 92 dB; imp 4 ohms. Oak or black finish. 15 x 24 x 10 in ..... \$190

AAL830. As above, 8-in woofer. Power handling 50 W rms; FR 75 Hz-22 kHz; sens 91 dB. 11 $\frac{1}{4}$  x 18 $\frac{1}{2}$  x 8 in ..... \$260/pr

### AAL525SB 2-Way Center-Channel Speaker

Two 5 $\frac{1}{4}$ -in treated-fiber woofers and one  $\frac{1}{2}$ -in polycarbonate-dome tweeter. Magnetic shielding. Power handling 50 W rms; FR 100 Hz-20 kHz; imp 8 ohms. 16 x 7 $\frac{1}{2}$  x 7 $\frac{1}{2}$  in ..... \$150/pr

## Blueprint Series

### Model 820 2-Way In-Wall Speaker

8-in polypropylene woofer and 1-in soft-dome tweeter. Power handling 50 W rms; FR 40 Hz-22 kHz; sens 90 dB; impedance 8 ohms. 10 x 14 x 3 $\frac{1}{2}$  in ..... \$300/pr

Model 620. As above, 6 $\frac{1}{2}$ -in polypropylene woofer. Power handling 45 W rms; FR 45 Hz-22 kHz. 8 $\frac{1}{2}$  x 12 x 3 in ..... \$250/pr

Model 520. As above, 5 $\frac{1}{4}$ -in woofer. Power handling 40 W rms; FR 50 Hz-22 kHz; sens 89 dB. 7 $\frac{1}{2}$  x 11 x 2 $\frac{1}{2}$  in ..... \$200/pr

### FS10A In-Floor Subwoofer

10-in treated-fiber dual-voice-coil drivers. Designed to fit between 16 inch-on-center floor joists. Power handling 100 W; FR 48-100 Hz; sens 92 dB; imp 8 ohms. 14 $\frac{1}{2}$  x 8 $\frac{1}{2}$  x 27 $\frac{1}{2}$  in ..... \$280

FS8A. As above, 8-in woofer. Fits between 12-in joist space. Power handling 75 W; FR 52-100 Hz; sens 90 dB. 10 $\frac{1}{2}$  x 8 $\frac{1}{2}$  x 27 $\frac{1}{2}$  in ..... \$240

### WR5B/W 2-Way Outdoor Speaker

5 $\frac{1}{4}$ -in woofer and 3 $\frac{1}{2}$ -in balanced-dome tweeter. Butyl-rubber surround; aluminum grille. Includes ball-and-swivel mounting brackets. Power handling 35 W rms; FR 92 Hz-20 kHz ..... \$249/pr

### Model 650WR 2-Way Outdoor In-Wall Speaker

Coaxial design with 6 $\frac{1}{2}$ -in polypropylene woofer and polycarbonate-dome tweeter. Water-resistant enclosure; aluminum mesh grille; stainless-steel hardware; encapsulated magnet. Power handling 35 W rms; FR 60 Hz-20 kHz; sens 89 dB; imp 8 ohms. 8 $\frac{1}{2}$  x 8 $\frac{1}{2}$  x 2 $\frac{1}{2}$  in ..... \$180/pr

### Model 600 2-Way In-Wall Speaker

Coaxial design with 6 $\frac{1}{2}$ -in polypropylene woofer and polycarbonate-dome tweeter. Power handling 35 W rms; FR 63 Hz-20 kHz; sens 88 dB; imp 8 ohms. 8 $\frac{1}{2}$  x 8 $\frac{1}{2}$  x 2 $\frac{1}{2}$  in ..... \$150/pr

Model 610RCM. Ceiling version of above with round frame ..... \$190/pr

Model 810RCM. As above, 8-in woofer. Power handling 45 W; FR 40 Hz-20 kHz ..... \$250/pr

### Model 500 2-Way In-Wall Speaker

Coaxial design with 5 $\frac{1}{4}$ -in polypropylene woofer and  $\frac{1}{2}$ -in polycarbonate-dome tweeter. Power handling 30 W rms; crossover point 8 kHz; FR 69 Hz-20 kHz; sens 88 dB; imp 8 ohms. 7 $\frac{1}{2}$  x 7 $\frac{1}{2}$  x 2 $\frac{1}{2}$  in ..... \$120/pr

### Model 510RCM 2-Way Ceiling Speaker

5 $\frac{1}{4}$ -in polypropylene woofer and 1-in polycarbonate-dome tweeter. Reversible grille convertible from standard to flush. Power handling 30 W rms; FR 69 Hz-20 kHz; sens 88 dB; imp 8 ohms. Square frame. Mounting area: 7 $\frac{1}{2}$  x 7 $\frac{1}{2}$  in. Mounting depth 2 $\frac{1}{2}$  in ..... \$120/pr

### Model 622RCM 2-Way Ceiling Speaker

6 $\frac{1}{2}$ -in dual-voice-coil polypropylene woofer and two polycarbonate-dome tweeters. Butyl rubber surround; aluminum grille; stainless-steel hardware. Power handling 35 W rms; FR 63 Hz-20 kHz; sens 83 dB; imp 8 ohms ..... \$110

### Model MP42B 2-Way Speaker

Two 4-in polypropylene woofers and one  $\frac{1}{2}$ -in balanced-dome tweeter. Weather-resistant enclosure; magnetic shielding. Can be shelf-, stand-, or wall-mounted. Includes wall-mounting bracket. Power handling 50 W rms; FR 110 Hz-20 kHz; imp 8 ohms. 4 $\frac{1}{2}$  x 12 $\frac{1}{2}$  x 5 in ..... \$110

## MUSE

### Eighteen Powered Subwoofer

6th-order bass-reflex design with two 10-in drivers; 225-W amp. Bi-amplified. Personality cards capability. Personality cards, balanced amp circuits optional. Oak (black, clear, or medium), walnut (clear or red), or clear cherry. 3-yr warranty. 25 x 25 x 25 in; 155 lb ..... \$3,450

As above, walnut or cherry ..... \$3,700

### Twenty Two Powered Subwoofer

6th-order bass-reflex design with 12-in driver; 100-W amp. Level and frequency controls. Black oak. 3-yr warranty. 20 x 20 x 22 in; 85 lb ..... \$1,650

As above, medium oak ..... \$1,750

## NAIM

### NA-DBL 3-Way Speaker

Decoupled-box design with 15-in woofer, 5-in infinite-baffle midrange, and  $\frac{3}{4}$ -in soft-dome tweeter. Computer-calculated damping systems. Power handling 200 W; FR 17 Hz-20 kHz  $\pm 3$  dB; sens 92 dB; imp 4 ohms. Black ash, ebony, cherry, or beech finish. 16 x 47 x 26 in; 200 lb ..... \$16,750/pr

Passive crossover ..... \$300/pr

### NA-SBL 2-Way Speaker

8 in woofer and  $\frac{3}{4}$ -in dome tweeter. External detachable crossover; decoupled tweeter. Includes stand. Power handling 75 W max; FR 30 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp 6 ohms. Black ash, beech, cherry, or walnut finish. 10 $\frac{1}{2}$  x 34 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in ..... \$3,900/pr

### Credo 2-Way Speaker

Decoupled-box design with 8-in woofer and  $\frac{3}{4}$ -in dome tweeter. Power handling 90 W; FR 35 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 6 ohms. Rosewood finish. 10 $\frac{1}{2}$  x 34 $\frac{1}{2}$  x 9 $\frac{1}{2}$  in ..... \$2,950/pr

Ebony, cherry, or beech finish ..... \$2,600/pr

As above, power handling 75 W; simulated black-woodgrain finish ..... \$1,600/pr

## NCT AUDIO

### Gekko Flat-Panel Home Theater System

6-piece flat-panel speaker system featuring powered servo-controlled subwoofer with 10-in driver and 100-W amp; 5 satellite speakers, each with 5 $\frac{1}{4}$ -in woofer and flat-panel transducer. Piezo-driven flat panel gives omnidirectional response at all its reproduced frequencies. Line- and speaker-level inputs and outputs on subwoofer. Subwoofer level and frequency control; shallow design allows speakers to be hung on a wall creating an infinite baffle. Includes mounting bracket for satellites. Printed grilles, decorative picture frames, larger grilles optional. Power handling 50 W; crossover point selectable at 100 Hz and 2.5 kHz; FR 30-150 Hz subwoofer, 100Hz-15 kHz satellite; sens 86 dB; imp 4 ohms. Black. 5-yr warranty. Subwoofer: 11 $\frac{1}{2}$  x 11 $\frac{1}{2}$  x 11 $\frac{1}{2}$  in. Satellite: 11 $\frac{1}{2}$  x 14 $\frac{1}{2}$  x 2 in ..... \$2,000

### GK-1114 2-Way Flat-Panel Speaker

Acoustic-suspension design with 5 $\frac{1}{4}$ -in woofer and flat-panel transducer. Designed to hung as painting. Piezo-electrically-driven flat panel allows omnidirectional response at all its reproduced frequencies. Includes wall-mounting brackets. Print-

# Speakers

ed grilles, decorative picture frames, larger grilles optional. Power handling 50 W; crossover point 2.5 kHz; FR 100 Hz-15 kHz; sens 86 dB; imp 4 ohms. Black. 5-yr warranty. 11 1/2 x 14 1/2 x 2 in; 6 lb .....\$299

## GK-CC10 2-Way Center-Channel Speaker

Tuned-port design with two 4-in polypropylene-cone woofers with rubber surround and one 1/2-in ferrofluid-cooled damped polycarbonate-hyperdome tweeter. Magnetic shielding. Power handling 75 W max; crossover point 2.3 kHz; FR 75 Hz-20 kHz  $\pm 2$  dB; sens 89 dB; imp 6 ohms. Black finish. 17 1/4 x 6 x 7 1/2 in .....\$199

## N.E.A.R.

### Near 50Me II 3-Way Speaker

Tuned-port design with 8 1/4-in metal-alloy-cone woofer, 4-in metal-alloy midrange, and 1 1/2-in titanium-cone tweeter. Proprietary magnetic-liquid driver suspensions; antiresonant device; time-aligned midrange and tweeter. Power handling 300 W max; crossover points 235 Hz and 3.2 kHz; FR 30 Hz-23 kHz  $\pm 1.5$  dB; sens 86 dB; imp 8 ohms. Walnut, oak, or black ash finish. 10-yr limited warranty. 10 1/2 x 48 x 12 in; 55 lb .....\$2,499/pr  
As above, rosewood .....\$2,990/pr

### Near 20M II 2-Way Speaker

Two 5 1/4-in metal-alloy-cone woofers and one 1-in titanium-cone tweeter. Proprietary magnetic-liquid suspension. Crossover point 3 kHz; FR 42 Hz-22 kHz; imp 4 ohms. Ash laminate. 10-yr limited warranty. 22 x 7 x 10 in; 32 lb .....\$899/pr

### Near 15M 2-Way Bookshelf Speaker

Bass-reflex design with 6 1/4-in metal-alloy-cone woofer and 1 1/4-in titanium-cone tweeter. Proprietary magnetic-liquid driver suspensions; antiresonant device. Power handling 150 W max; crossover point 2.1 kHz; FR 45 Hz-22 kHz  $\pm 2$  dB; sens 88 dB; imp 8 ohms. Black ash finish. 10-yr limited warranty. 15 x 12 x 9 1/2 in .....\$799/pr

### Near 10M II 2-Way Bookshelf Speaker

Bass-reflex design with 5 1/4-in metal-alloy-cone woofer and 1 1/4-in titanium-cone tweeter. Proprietary magnetic-liquid driver suspensions. Power handling 100 W max; crossover point 2.1 kHz; FR 48 Hz-22 kHz  $\pm 2$  dB; sens 88 dB; imp 4 ohms. Walnut finish. 10-yr limited warranty. 7 x 11 x 9 in; 14 lb .....\$599/pr  
Black ash laminate finish .....\$449/pr  
White vinyl .....\$449/pr  
**Model 10MV II.** Magnetically shielded center-channel version of above model. Black ash laminate finish .....\$349

### Near WAF-22-Way Outdoor Speaker

Coaxial design with 5 1/4-in woofer and dome tweeter. Available in 4-, 8-, or 16-ohm models. Power handling 100 W max; FR 65 Hz-20 kHz; sens 88 dB .....\$379/pr

### Near WAF-1 In-Wall Speaker

5 1/4-in full-range driver. Designed for indoor, outdoor, or marine use. Available in 4-, 8-, or 16-ohm models. Power handling 100 W max; FR 65 Hz-14 kHz; sens 88 dB .....\$299/pr

## Home Theater Speakers

The following have metal-alloy driver diaphragms, proprietary magnetic-liquid driver suspensions, and carry a 10-year warranty.

### Main Mast 2-Way Speaker

Four 5 1/4-in metal-alloy-cone woofers and one 1 1/4-in titanium-cone tweeter. Power handling 300 W max; crossover point 3 kHz; FR 30 Hz-22 kHz; sens 90 dB; imp 8 ohms. Black-gloss finish on base and top. 10-yr limited warranty. 58 1/2 x 7 x 10 in; 62 lb .....\$1,999/pr

### PS-4 Powered Subwoofer

Acoustic-suspension design with four 8-in metal

drivers; 250-W amp. Variable low-pass filter. Switchable limiter circuit. FR 24-145 Hz. Black ash finish. 24 x 19 x 36 in; 130 lb .....\$1,999  
**PS-2.** As above, two drivers. High-density Biocomp top panel. 19 x 20 x 15 1/2 in; 65 lb .....\$1,299

### Mast-HT 2-Way Speaker

Two 5 1/4-in metal-alloy-cone woofers and 1 1/4-in titanium-cone tweeter. Power handling 150 W max; crossover point 3 kHz; FR 80 Hz-22 kHz; sens 91 dB; imp 4 ohms. Black-gloss finish. 7 x 48 x 7 1/2 in; 53 lb .....\$1,099/pr

### Genoa 3-Way Center-Channel Speaker

Two 5 1/4-in woofers, one 4-in midrange, and one 1-in titanium-dome tweeter. Power handling 200 W; crossover points 235 Hz and 4 kHz; FR 80 Hz-21 kHz  $\pm 2$  dB; sens 89 dB; imp 4 ohms. Black ash or rosewood finish. 10-yr warranty. 20 x 10 x 9 1/2 in; 40 lb .....\$799

### Spinnaker 10MBD 2-Way Dipolar Surround Speaker

Switchable dipole/bipole acoustic-suspension with two 5 1/4-in metal-alloy-cone woofers and two 1 1/4-in titanium-cone tweeters. Power handling 150 W max; crossover point 2.1 kHz; FR 60 Hz-22 kHz  $\pm 2$  dB; sens 88 dB; imp 8 ohms. Black ash finish. 7 x 11 x 9 in; 21 lb .....\$799/pr

### Model 20JIB 2-Way Center-Channel Speaker

Two 5 1/4-in metal-alloy-cone woofers and one 1 1/4-in titanium-cone tweeter. Magnetic shielding. Power handling 150 W max; crossover point 3 kHz; FR 42 Hz-22 kHz  $\pm 2$  dB; sens 88 dB; imp 4 ohms. Black ash laminate finish. 22 x 7 x 10 in; 36 lb .....\$499

## AEL Outdoor Series

The following are waterproof and carry a 5-year warranty.

### AEL-1.8 2-Way Outdoor Speaker

8 1/4-in metal-cone woofer and 1 1/4-in titanium-cone tweeter. High-density fiberglass cabinet. Power handling 200 W max; crossover point 2.5 kHz; FR 38 Hz-25 kHz; sens 92 dB; imp 8 ohms. 9 1/2 x 16 x 8 in; 30 lb .....\$799/pr

**AEL-1.6A.** 6-in metal-alloy-cone woofer and 1 1/4-in titanium-cone tweeter. High-density polyethylene cabinet. FR 60 Hz-20 kHz  $\pm 3$  dB; sens 90 dB. 8 1/4 x 14 1/2 x 7 1/2 in; 14 lb .....\$638/pr

**AEL-1.5A 2-Way Outdoor Speaker.** As above, FR 55 Hz-20 kHz  $\pm 3$  dB; sens 89 dB. 8 x 14 x 8 in; 14 lb .....\$630/pr

### AEL-1.4A 2-Way Outdoor Speaker

5 1/4-in woofer and 1 1/4-in titanium-cone tweeter. Power handling 150 W max; FR 48 Hz-25 kHz; sens 89 dB; imp 4 ohms. 8 1/2 x 12 1/2 x 7 in; 9 lb .....\$498/pr

### AEL-1.2A 2-Way Outdoor Speaker

Coaxial design with 5 1/4-in metal-cone woofer and polycarbonate tweeter. Power handling 100 W max; FR 70 Hz-22 kHz; sens 89 dB; imp 4 ohms. 7 1/4 x 7 1/4 x 7 in; 8 lb .....\$390/pr

**AEL-1.1A.** As above, 5 1/4-in full-range driver only. FR 70 Hz-13 kHz; sens 88 dB. 8 lb .....\$350/pr

## NEWFORM RESEARCH

The following are sold factory-direct in North America; prices include UPS delivery. Freestanding ribbon elements used in the No Holds Barred, R830 and Standing Module speakers are mounted on top of the bass cabinet. The R55's ribbon tweeter is mounted in its front baffle.

### No Holds Barred 3-Way Hybrid Ribbon Speaker

Two 5-in woofers and two 30-in midrange/tweeter ribbon elements. External crossovers and custom brackets. Power handling 300 W; FR 31 Hz-20 kHz; sens 92 dB; imp 6 ohms. 7 x 86 x 9 in; 190 lb .....\$4,717/pr  
**NHB Essential.** As above, internal crossover and floor stands .....\$2,540/pr

### NHB 45 2-Way Hybrid Ribbon Speaker

Acoustic-suspension design with two 5-in woofers and one 45-in monopolar ribbon driver. MDF cabinet. Biampable terminals. Power handling 150 W; crossover point 1.2 kHz; FR 80 Hz-20 kHz  $\pm 2$  dB; sens 91 dB; imp 6 ohms. Black oak finish. 5-yr parts-and-labor warranty. 7 x 76 x 9 in; 112 lb .....\$2,290/pr  
**R530.** As above, one 5-in woofer and 30-in monopolar ribbon driver. FR 42 Hz-20 kHz  $\pm 2$  dB; sens 87 dB; imp 8 ohms. 6 x 57 x 9 in; 45 lb .....\$1,305/pr  
**R58.** As above, but with 8-in monopolar ribbon driver. Power handling 100 W; crossover point 1.4 kHz; FR 46 Hz-20 kHz  $\pm 2$  dB; sens 86 dB. 8 x 21 x 11 in; 24 lb .....\$910/pr

### R645 2-Way Hybrid Ribbon Speaker

Bass-reflex design with two 6 1/2-in woofers and one 45-in monopolar ribbon tweeter. Double-braced MDF enclosure. Biampable terminals. Power handling 200 W; crossover point 1.2 kHz; FR 32 Hz-20 kHz; sens 94 dB; imp 6 ohms. High-gloss black or rosewood finish. 5-yr warranty. 10 x 73 x 14 in; 86 lb .....\$2,265/pr

## I Want It All Quad 18 Powered Subwoofer

Bipolar acoustic-suspension design with four 18-in woofers; 300-W amp. Infrasonic filter; triple-braced MDF cabinet. Line- and speaker-level outputs. Phase, level, and crossover controls. Crossover point variable from 40-100 Hz; FR 12-80 Hz  $\pm 2$  dB. Black oak finish. 5-yr parts-and-labor warranty. 24 x 24 x 32 in; 118 lb .....\$1,690

### R630 2-Way Hybrid Ribbon Speaker

Bass-reflex design with 6 1/2-in polypropylene woofer and 30-in monopolar ribbon tweeter. 1-in double-braced MDF enclosure. Biampable terminals. Power handling 150 W; crossover point 1.2 kHz; FR 35 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. Black oak, high-gloss black, or high-gloss rosewood finish. 5-yr warranty. 10 x 58 x 14 in; 70 lb .....\$1,516/pr

### R830 2-Way Hybrid Ribbon Speaker

Bass-reflex design with 8-in polypropylene woofer and 30-in ribbon tweeter. Power handling 150 W; crossover point 1.1 kHz; FR 38 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. 11 x 61 x 15 in; 71 lb .....\$1,236/pr

### Standing Module 30 2-Way Hybrid Ribbon Speaker

5-in woofer and 30-in ribbon tweeter. Power handling 100 W; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. 6 x 57 x 9 in; 42 lb .....\$990/pr

### Quad 12 Powered Subwoofer

Bipolar acoustic-suspension design with four 12-in drivers; 300-W amp. Infrasonic filter; triple-braced MDF cabinet. Line- and speaker-level outputs. Crossover point variable from 40-100 Hz; FR 12-80 Hz  $\pm 2$  dB. Black oak finish. 5-yr parts-and-labor warranty. 19 x 19 x 24 in; 86 lb .....\$930

### R55 2-Way Hybrid Ribbon Speaker

Acoustic-suspension design with 5-in woofer and 5-in ribbon tweeter. Power handling 100 W; crossover point 1.4 kHz; FR 80 Hz-35 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. 6 x 15 x 10 in; 23 lb .....\$556/pr

## NHT

### Model 3.3 4-Way Speaker

Acoustic-suspension design with 12-in side-firing polypropylene woofer, 6 1/2-in polypropylene woofer, 4-in polypropylene midrange, and 1-in ferrofluid-cooled aluminum-dome tweeter. Power handling 300 W max; FR 23 Hz-26 kHz  $\pm 3$  dB; sens 87 dB; imp 6 ohms. High-gloss mahogany or sycamore laminate. 7 x 42 x 31 in; 123 lb .....\$4,500/pr  
As above, Italian black-satin laminate .....\$4,300/pr  
**Model 2.9.** As Model 3.3, 10-in and 6 1/2-in woofers. Power handling 250 W max; FR 26 Hz-26 kHz  $\pm 3$  dB. 7 x 39 1/2 x 21 in; 78 lb .....\$2,675/pr  
As above, high-gloss black laminate .....\$2,500

# Speakers

## VT-2 3-Way Speaker

Bass-reflex design with built-in subwoofer with side-firing 10-in polypropylene driver, two 5/4-in polypropylene mdranges, and one 1-in ferrofluid-cooled soft-dome tweeter. Magnetic shielding on top section. Power handling 250 W max; FR 25 Hz-21 kHz  $\pm 3$  dB; sens 88 dB; imp 6 ohms. High-gloss black laminate finish. 7/4 x 48 x 18 in; 75 lb .....\$1,800/pr

## Model 2.5i 3-Way Speaker

Bass-reflex design with 8-in side-firing woofer, 6/2-in polypropylene midrange, and 1-in ferrofluid-cooled aluminum-dome tweeter. Power handling 200 W max; FR 29 Hz-25 kHz  $\pm 3$  dB; sens 86 dB; imp 6 ohms. High-gloss mahogany or sycamore laminate. 7 x 38 x 15 1/2 in; 53 lb .....\$1,450/pr  
As above, high-gloss black laminate .....\$1,300/pr

## SW3P Powered Subwoofer

Acoustic-suspension design with 12-in polypropylene woofer; outboard 250-W Class G amp. 12 dB/oct high-pass filter selectable at 65, 80, 100, 125, or 150 Hz; 24 dB/oct low-pass filter variable from 35-150 Hz. Line-level inputs and outputs. FR 23-250 Hz  $\pm 3$  dB. High-gloss black laminate finish. Subwoofer: 19 x 19 x 19 in. Amp: 17 x 5 1/2 x 14 1/2 in. 96 lb total .....\$1,350

## VT 1.2 3-Way Speaker

Vented design with one side-firing 8-in woofer, two 4 1/2-in mdranges, and one 1-in ferrofluid-cooled soft-dome tweeter. Magnetic shielding on top section. Power handling 200 W max; FR 33 Hz-21 kHz  $\pm 3$  dB; sens 86 dB; imp 8 ohms. High-gloss black laminate finish. 5 1/2 x 38 x 15 1/2 in; 42 lb .....\$1,100/pr

## ASW8ci In-Wall Powered Subwoofer

Acoustic-suspension design with 8-in long-throw polypropylene woofer; 120-W amp. Single-wire binding posts. Bass boost. FR 35-150 Hz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. Black. 5-yr speaker, 1-yr amp warranty. Rectangular frame. Mounting depth 3 1/2 in .....\$800

## HDP-2 3-Way Surround Speaker

Hybrid-dipolar acoustic-suspension design with one 6 1/2-in woofer, two 4 1/2-in mdranges, and two 1-in ferrofluid-cooled soft-dome tweeters. Includes wall-mounting brackets. Power handling 125 W max; FR 57 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 6 ohms. High-gloss black or white laminate. 18 x 9 x 7 1/2 in; 19 lb .....\$800/pr

## SW2Pi Powered Subwoofer

Bass-reflex design with 10-in woofer; outboard 120-W Class G amp. 12 dB/oct high-pass filter selectable at 50, 75, or 110 Hz; 18 dB/oct low-pass filter variable from 35-150 Hz. Line- and speaker-level inputs and outputs. FR 27-500 Hz  $\pm 3$  dB. Black or white laminate. Subwoofer: 16 x 16 x 16 in. Amp 16 x 3 1/4 x 10 1/4 in. 54 lb total .....\$800

## Super Two 3-Way Speaker

Bass-reflex design with 6 1/2-in long throw woofer, 6 1/2-in midrange, and 1-in ferrofluid-cooled soft-dome tweeter. Magnetic shielding. Biamped 5-way binding posts. Includes stabilizer bars and spike kit. Power handling 25 W min, 175 W max; crossover points 120 Hz and 2.2 kHz; FR 35 Hz-25 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. High-gloss black laminate. 5-yr limited parts-and-labor warranty. 7 1/4 x 38 x 10 in; 40 lb .....\$750/pr

## Model 1.5 2-Way Speaker

Acoustic-suspension design with 6 1/2-in polypropylene woofer and 1-in ferrofluid-cooled aluminum-dome tweeter. Power handling 150 W max; FR 53 Hz-25 kHz  $\pm 3$  dB; sens 86 dB; imp 8 ohms. High-gloss mahogany or sycamore laminate. 7 x 16 1/2 x 10 1/4 in; 16 lb .....\$675/pr  
As above, high-gloss black laminate .....\$600/pr

## SW1P Powered Subwoofer

Bass-reflex design with 8-in woofer; outboard 60-W amp. Line- and speaker-level inputs; speaker-

level outputs. 18 dB/oct low-pass filter variable from 50-200 Hz; FR 35-500 Hz  $\pm 3$  dB. Black or white laminate. Subwoofer: 16 x 11 1/4 x 11 1/4 in. Amp: 16 1/2 x 3 1/4 x 10 1/4 in. 34 lb total .....\$500

## CS6.3ci 2-Way Ceiling Speaker

One 6 1/2-in long-throw woofer and three 1-in soft-dome tweeters. Dispersion control. Includes mounting hardware. Power handling 10 W min, 100 W max; FR 66 Hz-20 kHz  $\pm 3$  dB; sens 87dB; imp 8 ohms. White matte. 5-yr limited parts-and-labor warranty. Round frame. Mounting depth 5 in .....\$450/pr

## VS-2a 2-Way Satellite Speaker

Acoustic-suspension design with two 5/4-in polypropylene woofers and one 1-in ferrofluid-cooled soft-dome tweeter. Magnetic shielding. Includes wall-mounting brackets. Power handling 180 W max; FR 75 Hz-21 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. High-gloss black or white laminate finish. 19 1/4 x 7 1/4 x 6 in; 17 lb .....\$450

## HDP-1 2-Way Surround Speaker

Acoustic-suspension design with one 4 1/2-in woofer and two 3-in dipole-configured mid/tweeters. Power handling 100 W max; FR 105 Hz-10 kHz  $\pm 3$  dB; sens 86 dB; imp 8 ohms. High-gloss black or white laminate finish. 5 1/4 x 9 1/4 x 5 1/4 in; 8 lb .....\$380/pr

## SuperOne C 2-Way In-Wall Speaker

6 1/2-in long-throw polypropylene woofer and 1-in soft-dome tweeter. Power handling 10 W min, 100 W max; FR 50 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. Matte white. 5-yr limited parts-and-labor warranty. Rectangular frame. Mounting area: 13 1/2 x 9 in. Mounting depth 2 1/4 in .....\$350/pr

## CS6.1ci 2-Way Ceiling Speaker

Bass-reflex design with 6 1/2-in long-throw polypropylene woofer and 1-in ferrofluid-cooled soft-dome tweeter. Includes mounting hardware. Power handling 10 W min, 100 W max; FR 69 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. White matte. 5-yr limited parts-and-labor warranty. Round frame. Mounting depth 5 in .....\$300/pr

## VS-1.2a 2-Way Satellite Speaker

Acoustic-suspension design with two 4 1/2-in woofers and one 1-in ferrofluid-cooled soft-dome tweeter. Magnetic shielding. Includes wall-mounting brackets. Power handling 150 W; FR 80 Hz-21 kHz  $\pm 3$  dB; sens 86 dB; imp 8 ohms. High-gloss black or white laminate finish. 19 x 4 1/4 x 6 1/4 in; 14 lb .....\$300

## SuperOne 2-Way Speaker

Acoustic-suspension design with 6 1/2-in woofer and 1-in ferrofluid-cooled soft-dome tweeter. Magnetic shielding. Matching stand optional. Power handling 150 W max; FR 57 Hz-25 kHz  $\pm 3$  dB; sens 86 dB; imp 8 ohms. High-gloss black laminate finish. 7 1/4 x 11 1/2 x 8 1/2 in; 10 lb .....\$175

**SuperOne XU.** As above with mounting hardware. Black or white finish .....\$188

**SuperZero.** As SuperOne, 4 1/2-in woofer. Power handling 100 W max; FR 85 Hz-25 kHz  $\pm 3$  dB. 5 1/2 x 9 x 5 in; 6 lb .....\$125

**SuperZero XU.** As above with mounting hardware. Black or white finish .....\$138

## Home Theater Speaker Packages

**VT-2 Home Theater System.** Two VT-2 speakers and three VS-2a speakers. High-gloss black laminate finish .....\$3,150

**VT-1.2 Home Theater System.** Two VT-1.2 speakers and three VS-1.2a speakers. High-gloss black laminate finish .....\$2,000

## NewWave Series

### Home Theater System

6-speaker system with acoustic-suspension powered subwoofer with 8-in driver and 50-W amp; 5 magnetically shielded satellite speakers, each with 3 1/2-in mdrange and 3/4-in soft-dome tweeter. Speaker-level inputs and outputs for left, center,

and right front speakers. Adjustable volume settings on subwoofer. Includes wall-mounting brackets and center-channel feet. Power handling 100 W; crossover point variable from 80-220 Hz subwoofer, 4.5 kHz satellite; FR 45-220 Hz subwoofer, 160 Hz-20 kHz satellite; sens 88 dB; imp 8 ohms. Matte black finish. 5-yr speaker, 1-yr amp warranty .....\$800

**Music System.** As above with only 2 satellite speakers; no wall-mounting brackets or center-channel feet .....\$530

## NILES

### AT8700 3-Way In-Wall Speaker

8-in aluminum/titanium/urethane-cone woofer with high-temperature voice coil, cast-aluminum frame and bifilar voice-coil winding; two 1 1/2-in fluid-cooled trilaminate aluminum/titanium/urethane-dome mdranges; one swiveling 1-in fluid-cooled trilaminate aluminum/titanium/urethane dome tweeter. Bass-boost control; selectable proprietary filters; 359° rotating, 30° pivoting adjustable dispersion array; computer-optimized crossover with bass, midrange, and treble controls. Power handling 20-200 W; FR 30 Hz-21 kHz  $\pm 2$  dB; sens 89 dB; impedance 8 ohms. White. Rectangular frame. Mounting area: 11 x 18 1/2 in .....\$1,799/pr

**AT8000.** As above, 8-in aluminum/urethane cone woofer with high-temperature voice coil and cast-aluminum frame; two 1 1/2-in fluid-cooled trilaminate aluminum/urethane-dome mdranges; one swiveling 1-in fluid cooled trilaminate aluminum/urethane-dome tweeter .....\$1,499/pr

**AT8200.** As above, 8-in aluminum/urethane cone woofer with high-temperature aluminum voice coil .....\$1,099/pr

**AT8000.** As above, 8-in carbon/glass fiber cone woofer, 1 1/2-in midrange .....\$899/pr

### HD-CTRBX 2-Way Center-Channel Speaker

Two 5 1/2-in long-throw mica-filled polypropylene woofer with butyl-rubber surrounds; one proprietary 1-in fluid-cooled wide-dispersion tweeter. Directed Sound Field Geometry offset tweeter for enhanced image dispersion in a home-theater setting; magnetic shielding. 3-dB high-frequency-cut adjustment. Power handling 10-150 W; FR 45 Hz-21 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black ash. 21 x 7 1/4 x 9 1/4 in .....\$400

### OS-20 2-Way Outdoor Speaker

Acoustic-suspension design with 6 1/2-in polypropylene woofer and 1-in ferrofluid-cooled tweeter. Weather-resistant polypropylene cabinet. Gold-plated 5-way binding posts. Includes aluminum mounting brackets. Power handling 100 W; FR 65 Hz-21 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. White. 8 1/2 x 11 x 7 1/4 in .....\$399/pr

### HD-CTR 2-Way In-Wall Speaker

Two 5 1/2-in polypropylene woofers and one 1-in ferrofluid-cooled dome tweeter. Directed Sound Field Geometry to improve dispersion; magnetic shielding. High-frequency switch. Power handling 150 W; FR 45 Hz-21 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. White. Rectangular frame. Mounting area: 8 x 14 in .....\$299

**HD-LRS.** As above, no magnetic shielding .....\$279

### CM-650BG 2-Way Ceiling Speaker

6 1/2-in polypropylene woofer and 3/4-in polycarbonate tweeter. Rust-proof grille. Includes flip-tab mounting system. Power handling 50 W; crossover point 3.5 kHz; FR 55 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. White. Round frame. Mounting diameter: 8 in. Mounting depth 3 1/2 in .....\$199/pr

## BluePrint Series

The following are white and weather resistant, with round frames and rust-proof aluminum grilles, and include a flip-tab mounting system.

### CM-800MP 2-Way Ceiling Speaker

8-in polypropylene dual-voice-coil woofers and

# Speakers

1½-in polycarbonate tweeter. Power handling 85 W; FR 40 Hz-20 kHz ±3 dB; sens 90 dB; imp 8 ohms. Mounting diameter: 9½ in. Mounting depth 3¾ in . . . . . \$379/pr

**CM-650MP.** As above, 6½-in polypropylene dual-voice-coil woofers and 1¼-in polycarbonate tweeter. Power handling 75 W; FR 50 Hz-20 kHz ±3 dB. Mounting diameter: 8 in. Mounting depth 3¾ in . . . . . \$299/pr

## CM-800SW Ceiling Speaker

8-in mica-filled polypropylene dual-voice-coil woofer. Power handling 150 W; FR 35-140 Hz ±3 dB; sens 89 dB; imp 8 ohms. Mounting diameter: 9½ in. Mounting depth 4 in . . . . . \$229

## NSM LOUDSPEAKERS

### Model 60M 3-Way Speaker

6½-in fiberglass woofer and 6½-in polypropylene-cone midrange with coaxially mounted 1-in soft-dome tweeter. Solid-copper woofer phase plug; open-cell foam, sand, and polyester damping. Power handling 300 W max; FR 40 Hz-20 kHz ±3 dB; sens 86 dB; imp 8 ohms. Walnut veneer finish. 9 x 43 x 10 in; 68 lb . . . . . \$6,495/pr

### Model 200 3-Way Speaker

Acoustic-suspension design with one slot-loaded downward-firing 15-in treated-paper-cone woofer, two 6½-in polypropylene midranges, and one 1-in soft-dome tweeter. Drivers in D'Appolito array; 6-dB/oct crossovers for midrange and tweeter; 18-dB/oct crossover for woofer. Power handling 10-250 W; FR 20 Hz-20 kHz ±3 dB; sens 91 dB; imp 4 ohms. Satin black or walnut. 52 x 15 x 20 in . . . . . \$4,995/pr

### Model 20M 2-Way Bookshelf Speaker

Coaxial design with 6½-in polypropylene woofer and 1-in soft-dome tweeter. Open-cell foam and polyester damping. Power handling 300 W max; FR 48 Hz-20 kHz; sens 85 dB; imp 8 ohms. Walnut veneer finish. 9 x 14 x 10 in; 50 lb . . . . . \$2,295/pr

### Model 50 3-Way Speaker

Two 6½-in ferrofluid-cooled polypropylene woofers and one 1-in ferrofluid-cooled soft-dome tweeter. 6-dB/oct crossovers; open-cell foam and polyester damping. Biampable terminals. Power handling 250 W max; FR 40 Hz-20 kHz ±3 dB; sens 85 dB; imp 8 ohms. Piano-black or walnut-veneer finish. 9 x 36 x 10 in; 55 lb . . . . . \$1,495/pr

### Segue 2-Way Bookshelf Speaker

6½-in polypropylene woofer and 1-in soft-dome tweeter. Power handling 10-250 W; FR 52 Hz-20 kHz ±3 dB; sens 90 dB; imp 8 ohms. 14 x 8 x 9½ in; 15 lb . . . . . \$1,395/pr

### ACTR1 2-Way Speaker

Hybrid transmission-line/acoustic-suspension design with two 6½-in woofer and one 1-in tweeter. 6-dB/oct crossover; magnetic shielding. Biampable terminals. Power handling 250 W; FR 38 Hz-20 kHz ±3 dB; sens 91 dB; imp 4 ohms. Black-satin lacquer and black fabric finish. 7½ x 24 x 16 in . . . . . \$995

### Model 10S 2-Way Bookshelf Speaker

4½-in ferrofluid-cooled polypropylene woofer and 1-in ferrofluid-cooled soft-dome tweeter. 6-dB/oct crossover; open-cell foam and polyester damping. Biampable terminals. Power handling 250 W max; FR 55 Hz-20 kHz ±3 dB; sens 84 dB; imp 8 ohms. Satin black finish. 5½ x 10 x 6 in; 18 lb . . . \$795/pr

**Model 10.** As above, terminals not biampable. Power handling 200 W max; sens 82 dB . . . . . \$595/pr

### EXP Powered Subwoofer

Bandpass design with 6½-in magnetically-shielded driver; amp rated at 140 W rms. 24-dB/oct crossover. Line- and speaker level RCA and binding-posts inputs and outputs. Auto on/off; phase switch; volume control. FR 28-175 Hz ±3 dB. Satin black finish. 8 x 14 x 12 in . . . . . \$695

### Model 15EXP Powered Subwoofer

Bass-reflex design with 10-in long-throw treated-paper-cone driver; amp rated at 150 W rms. MDF cabinet construction; 24-dB/oct crossover. Line- and speaker-level RCA and binding-post inputs and outputs. Auto on/off; phase switch; volume control; Dolby Digital direct switch. Crossover point continuously variable from 40-200 Hz; FR 28-175 Hz ±3 dB. Satin black or walnut finish. 18 x 12 x 14 in; 45 lb . . . . . \$595

## ODEON

### Model 33 Ultimate 3-Way Speaker

Bass-reflex design with 12½-in woofer, 6-in aluminum die-cast midrange, and 1-in titanium tweeter. Mechanically decoupled; 3 separate chassis for the woofer, midrange, and tweeter. Tri-ampable terminals. Includes floor stand. Power handling 300 W; FR 29 Hz-19 kHz ±3 dB; sens 96 dB; imp 8 ohms. 5-yr warranty. 15¼ x 65¼ x 10 in; 220 lb . . . . . \$38,400/pr

**Model 30.** As above, 12-in aluminum die-cast woofer, 4-in aluminum die-cast midrange. 3 separate crossovers for bass, midrange, and high frequencies. FR 35 Hz-19 kHz ±3 dB; sens 95 dB. Birch-root finish. 18 x 50½ x 8¾ in; 165 lb . . . . . \$27,500/pr

### La Boheme 2-Way Speaker

10-in woofer, 1-in titanium compression tweeter with spherical wooden horn. FR 48 Hz-19 kHz ±3 dB; sens 98 dB; imp 8 ohms. Walnut, Burlwood. 156 lb . . . . . \$15,000/pr

### La Traviata 2-Way Speaker

8-in woofer, 1-in titanium compression tweeter with spherical wooden horn. FR 53 Hz-20 kHz ±3 dB; sens 96 dB. Beech. 112 lb . . . . . \$12,000/pr

### Model 25 2-Way Speaker

10-in doped-paper-cone woofer and 1-in titanium tweeter. Separate tweeter enclosure with Odeon spherical-wooden horn; mechanically decoupled. Biamp terminal. Includes floor stand. Power handling 250 W; FR 38 Hz-19 kHz ±3 dB; sens 95 dB; imp 8 ohms. Walnut-root finish. 5-yr warranty. 13 x 47 x 15 in; 85 lb . . . . . \$11,500/pr

### Double Seven 3-Way Speaker

Two 7-in woofers; one 4-in cone midrange with 12-in spherical wooden horn; one 1-in tweeter with 6½-in spherical wooden horn. FR 45 Hz-20 kHz ±3 dB; sens 94 dB; imp 8 ohms. Walnut finish. 88 lb . . . . . \$8,500/pr

### Double Six 2-Way Bookshelf Speaker

Bass-reflex design with 6-in doped paper-cone woofer and 1-in soft-dome tweeter. Spherical horn. Biampable terminal. Power handling 100 W; FR 53 Hz-20 kHz ±3 dB; sens 91 dB; imp 8 ohms. Birch-root finish. 5-yr warranty. 7 x 41 x 10½ in; 94 lb . . . . . \$3,600/pr

### Single Six 2-Way Speaker

One 5¼-in woofer, one 1-in dome tweeter with spherical wooden horn. Crossover point 2.5 kHz; FR 50 Hz-20 kHz ±3 dB; sens 88 dB; imp 8 ohms. Birch. 39 x 6 x 9 in; 35 lb . . . . . \$2,900/pr

### Model 17 2-Way Bookshelf Speaker

Bass-reflex design with 6-in doped paper-cone woofer and 1-in soft-dome horn tweeter. Biampable terminals. Power handling 100 W; FR 50 Hz-20 kHz ±3 dB; sens 89 dB; imp 8 ohms. Birch-plywood enclosure. 5-yr warranty. 8¼ x 15 x 11 in; 15 lb . . . . . \$2,600/pr

## ODYSSEY

### Mystique 2-Way Powered Speaker

Bass-reflex design with 8-in polypropylene woofer and 1-in ferrofluid-cooled dome tweeter; 30-W amp. FR 34 Hz-21 kHz ±3 dB; sens 90 dB; imp 8 ohms. Black or light oak. 10 x 36 x 15 in; 45 lb . . . . . \$995/pr

## OEM SYSTEMS

### NeC-830 3-Way In-Wall Speaker

8-in carbon-fiber woofer with butyl-rubber surround; pivoting 1-in titanium-dome midrange; pivoting ¾-in titanium-dome tweeter. Power handling 100 W max; FR 40 Hz-21 kHz; sens 90 dB; imp 8 ohms. Rectangular frame. Mounting area: 10½ x 14½ in. Mounting depth 3¼ in . . . . . \$500/pr

**NeC-820 2-Way In-Wall Speaker.** 8-in carbon-fiber woofer with butyl-rubber surround; pivoting 1-in titanium-dome tweeter. Power handling 100 W max; FR 40 Hz-21 kHz; sens 90 dB; imp 8 ohms. Rectangular frame. Mounting area: 10½ x 14½ in. Mounting depth 3¼ in . . . . . \$450/pr

**NeC-6.50.** As above, 6½-in carbon-fiber woofer with butyl-rubber surround. Power handling 80 W max; FR 50 Hz-21 kHz. Mounting area: 8½ x 12 in . . . . . \$400/pr

**NeC-5.50.** As above, 5½-in carbon-fiber woofer with butyl-rubber surround. Power handling 70 W max; FR 60 Hz-21 kHz. Mounting area: 7½ x 11 in. Mounting depth 2½ in . . . . . \$330/pr

### SE-620 2-Way Speaker

Bass-reflex design with 6½-in carbon-fiber woofer and 1-in titanium dome tweeter. Power handling 100 W max; FR 40 Hz-20 kHz; sens 88 dB; imp 8 ohms. Available in black or white. 10½ x 7 x 6 in . . . \$350/pr

### C-8SW In-Wall Subwoofer

8-in carbon-fiber driver. Power handling 100 W max; FR 30-120 Hz; sens 90 dB; imp 8 ohms. Rectangular frame. Mounting area: 10½ x 14½ in. Mounting depth 3¼ in . . . . . \$300

## OHM ACOUSTICS

### Walsh 300 MK2 Speaker

Controlled dispersion from 360° for bass to 180° for treble. Power handling 300 W; FR 20 Hz-20 kHz; sens 87 dB; imp 6 ohms. Oak, walnut, or black. 5-yr warranty. 18 x 48 x 14 in; 95 lb . . . . . \$3,995/pr

**Walsh 200 MK2.** As above, power handling 220 W; FR 25 Hz-20 kHz. 16 x 43 x 12 in . . . . . \$2,995/pr

### Walsh 100 MK2 Speaker

Power handling 140 W; FR 29 Hz-12 kHz; sens 87 dB; imp 6 ohms. Oak, walnut, or black wood veneer. 14 x 39 x 10 in . . . . . \$1,395/pr

### Ohm G3 Omni Speaker

Power handling 100 W; FR 29 Hz-12 kHz; sens 87 dB; imp 6 ohms. Black or walnut-veneer finish. 13 x 35 x 11 in . . . . . \$1,295/pr

### SB-4 Subwoofer

Two 12-in woofers, each with four 2-in voice coils. Designed for use with P-3 speakers. Outputs for 4 speakers. Can hold TV with up to 32-in screen. Power handling 150 W; FR 29-80 Hz; sens 90 dB; imp 6 ohms. Textured black finish. 28 x 17 x 18 in . . . \$895

### P-1 3-Way Speaker

Bass-reflex design with 6½-in woofer, 1-in tweeter, and ¾-in super tweeter. Power handling 125 W; FR 37 Hz-20 kHz; sens 89 dB; imp 6 ohms. Black. 5-yr warranty. 8 x 24 x 12 in; 29 lb . . . . . \$795/pr

### P-3 2-Way Speaker

Acoustic-suspension design with 6½-in woofer and 1-in tweeter. Power handling 150 W; FR 80 Hz-20 kHz; imp 6 ohms. 7 x 8 x 12 in . . . . . \$750/pr

### SB-2P Subwoofer

10-in driver. Designed for use with P-3 speakers. Power handling 150 W/ch; crossover point 100 Hz; FR 35-100 Hz; sens 90 dB; impedance 6 ohms. Black or white textured finish. 17 x 15 x 23 in . . . . . \$595

**SB-1.** As SP-2P, FR 42-100 Hz. 9 x 13 x 23 in . . . \$395

### 2-Way Dipolar Satellite Speaker

Dipolar design. Power handling 150 W; FR 100 Hz-12 kHz; sens 90 dB; impedance 8 ohms. 14 x 3 x 6 in . . . . . \$495/pr

# Speakers

## P-2 3-Way Speaker

Acoustic-suspension design with 6½-in woofer, 1-in low tweeter, and ¾-in super tweeter. Power handling 100 W; FR 60 Hz-20 kHz; sens 89 dB; imp 8 ohms. 8 x 17 x 7 in; 16 lb .....\$495/pr

## SAT-1 Surround Speaker

Various mounting systems available. Power handling 60 W; FR 100 Hz-12 kHz; sens 90 dB; imp 6 ohms. Black vinyl finish. 7 x 8 x 7 in .....\$220/pr

## ONKYO

### HTS System 2 THX Home Theater System

6-speaker system with 120-W, dual-drive powered 12-in cone subwoofer; center-channel speaker and two front speakers, each with 6½-in cone woofer, 3-in mldrange, and 1-in soft-dome tweeter; two wall-mountable dipolar speakers, each with 5¼-in woofer and 1-in tweeter. Power handling 100 W; crossover points 450 Hz and 5 kHz; FR 35 Hz-200 kHz ±3 dB sub, 80 Hz-20 kHz ±3 dB front and center, 125 Hz-20 kHz ±3 dB surround; imp 6 ohms. Black. Front: 8¼ x 39¼ x 10¼ in; 32 lb. Center: 24¼ x 10¼ x 11¼ in; 30 lb. Rear: 9¼ x 10¼ x 6¼ in; 12 lb. Subwoofer: 17¼ x 22¼ x 20¼ in; 71 lb .....\$3,500

## OPTIMUS BY RADIO SHACK

### PRO-SW200P Powered Subwoofer

Bass-reflex design with 12-in coated-paper-cone woofer; 200-W amp. Gold-plated binding posts; RCA inputs. Auto on/off; LED power indicator; remote volume control. Crossover point variable from 50-200 Hz; sens 78 dB; imp 4 ohms. Black. 5-yr warranty. 16 x 16 x 16 in; 45 lb .....\$400

### PRO-SW100P Powered Subwoofer

Bass-reflex design with 10-in coated-paper-cone woofer; 100-W amp. Speaker- and line-level inputs. Auto on/off; volume control; LED power indicator. Crossover point variable from 50-200 Hz; sens 83 dB; imp 4 ohms. Black. 5-yr warranty. 14 x 14 x 14¼ in; 30 lb .....\$300

### AMX-25 Powered Wireless Speaker System

Two 2-way bass-reflex speakers, each with 4-In woofer and 2-in tweeter; 10-W amp built into one speaker; 900-MHz RF receiver and transmitter with 150-ft range that plugs into stereo system's line-level output, ¼-in, or ⅜-in headphone jack. On/off switch; fine-tuning, volume, and bass controls. Includes connecting cable and AC adapters. FR 50 Hz-15 kHz system .....\$250

RSU 1707734. Additional speaker .....\$100  
RSU 11244746. Mounting brackets .....\$30/pr

### PRO LX10 2-Way Dipolar Speaker

Dipolar bass-reflex design with two 7-in polypropylene woofers and one top-mounted ferrofluid-cooled dipole tweeter designed by Lineaum. Gold-plated terminals. Removable grilles on top and front. Power handling 80 W rms; FR 50 Hz-25 kHz. 9¼ x 33¼ x 11¼ in .....\$250

### STS 1500 3-Way Speaker

Bass-reflex design with 15-in woofer, 6½-In midrange, and 4 x 10-in plezo-horn tweeter. Power handling 150 W rms; FR 22 Hz-20 kHz. 36 x 18 x 12 in .....\$250

### PRO-LS3 2-Way Outdoor Speaker

Acoustic-suspension design with 5-in polypropylene woofer and ½-In ferrofluid-cooled polycarbonate tweeter. 5-way gold-plated binding posts. Includes swivel-type aluminum mounting brackets. Power handling 75 W rms; FR 85 Hz-20 kHz; sens 87 dB; imp 8 ohms. White. 5-yr warranty. 7 x 11 x 6 in; 4 lb .....\$200/pr

### STS 800 3-Way Speaker

8-in polypropylene woofer, 5-In midrange, and ¾-in Mylar-dome tweeter. Power handling 100 W rms; FR 45 Hz-20 kHz. 34 x 9¼ x 11 in .....\$200

### PRO CS-5 2-Way Center-Channel Speaker

Bass-reflex design with dual 5-in polypropylene woofers and one 3 x 3¼-in wide-angle monopole tweeter. Includes adjustable feet for angling enclosure up or down. Power handling 80 W rms; FR 70 Hz-25 kHz. 6¼ x 18¼ x 10 in .....\$150

### PRO SW-14 Subwoofer

Bass-reflex design with 12-in cone woofer. Power handling 100 W rms; FR 29-200 Hz. 15¼ x 17 x 16 in .....\$150

### PRO-LX5II 2-Way Bookshelf Speaker

Bass-reflex design with 5-in polypropylene woofer and top-mounted dipole tweeter designed by Lineaum. Magnetic shielding. Two gold-plated 5-way binding posts. Power handling 65 W rms; FR 85 Hz-25 kHz; sens 88 dB; imp 8 ohms. Black. 5-yr warranty. 6¼ x 10¼ x 6¼ in .....\$150

### PRO-SWS300 Powered Computer Speaker System

3-speaker system with subwoofer with 4-in driver and 12-W amp; two satellites, each with 5-W amp. Magnetic shielding; AC powered. RCA inputs. Bass and volume controls. FR 60 Hz-20 kHz; sens 86 dB; imp 4 ohms. Computer white. Subwoofer 9¼ x 10¼ x 6¼ in. Satellite 4¼ x 6¼ x 6¼ in .....\$130

### STS-1000 3-Way Speaker

12-in long-throw woofer, 5-in midrange, and ¾-in dome tweeter. Power handling 100 W rms; FR 40 Hz-20 kHz. Woodgrain black-vinyl finish. 14 x 23 x 10¼ in .....\$130

### Model 40-1425 2-Way In-Wall Speaker

6½-in woofer and polypropylene monopole tweeter. Pivoting tweeter directs sound to listening and viewing area. Includes wall-mount bracket. Power handling 50 W rms, 100 W max; crossover point 2.5 kHz; FR 65 Hz-25 kHz; sens 89 dB; imp 8 ohms. White finish. Rectangular frame .....\$100

### PRO-CS-3 2-Way Center-Channel Speaker

Two 4-in woofers and one soft-dome tweeter. Magnetic shielding. Power handling 60 W rms; FR 65 Hz-20 kHz. 14¼ x 5 x 9¼ in .....\$100

### PRO-X88AV 2-Way Bookshelf Speaker

Acoustic-suspension design with 5-in polypropylene woofer and monopole tweeter designed by Lineaum. Spring-clip terminals. Includes 4 rubber feet. Power handling 60 W rms; FR 80 Hz-25 kHz; sens 88 dB; imp 8 ohms. Black or white. 5-yr warranty .....\$100

### PRO-LS2 2-Way Center-Channel Minispeaker

Acoustic-suspension design with two 4-in paper-cone woofers and one ½-in ferrofluid-cooled polycarbonate tweeter. Magnetic shielding; wall mountable. 2 speaker-level spring-clip terminals. Includes matching tilted base. Power handling 100 W rms; FR 150 Hz-20 kHz; sens 87 dB; imp 8 ohms. Black. 5-yr warranty. 12 x 4¼ x 4¼ in; 5 lb .....\$80

### PRO-SW30 Powered Mini Subwoofer

Bass-reflex design with 4-in woofer; 15-W amp.

Magnetic shielding; AC powered. Volume control. FR 60-300 Hz; imp 4 ohms. White. 6¼ x 10¼ x 9¼ in .....\$80

### PRO-X55AV 2-Way Bookshelf Speaker

Acoustic-suspension design with 5-in polypropylene woofer and 1-in soft-dome tweeter. Magnetic shielding; wall mountable. Spring-clip terminals. Includes 4 rubber feet. Power handling 70 W rms; FR 80 Hz-20 kHz; sens 87 dB; imp 8 ohms. Black or white. 5-yr warranty .....\$80

PRO-X44AV. As above, power handling 50 W rms; FR 90 Hz-20 kHz; sens 88 dB .....\$60

PRO-X33AV. As above, 3-in paper-cone woofer and 1-in polyester-film tweeter. Power handling 15 W rms; FR 140 Hz-20 kHz; sens 87 dB; imp 8 ohms. Black. 4¼ x 6¼ x 4¼ in; 3 lb .....\$40

### STS-100 3-Way Bookshelf Speaker

Acoustic-suspension design with 8-in woofer, 4-in midrange, and ¾-in dome tweeter. Power handling 100 W rms; FR 75 Hz-20 kHz. Black woodgrain vinyl finish. 10¼ x 16¼ x 12¼ in .....\$80

### XTS 10 2-Way Satellite Speaker

3½-in woofer and 2¼-in tweeter in separate attached swiveling cube. Power handling 30 W rms; FR 170 Hz-20 kHz. 8¼ x 4¼ x 6 in .....\$80/pr

### AMX-21 2-Way Powered Computer Speaker System

2 speakers, each with 4-In woofer and 2-in tweeter; 10-W amp. Bass-reflex design; magnetic shielding. RCA line inputs. Bass and volume controls on one speaker. FR 150 Hz-20 kHz; imp 4 ohms. White. 5 x 8¼ x 5¼ in; 3 lb .....\$70

### Model 40-1368 2-Way In-Wall/Ceiling Speaker

Two 6½-in polypropylene woofers and one silk-dome tweeter. Includes template and mounting hardware. Power handling 40 W rms, 80 W max; FR 50 Hz-20 kHz .....\$70

### Model 40-1365 2-Way In-Wall Speaker

5¼-in polypropylene woofer and 1-In Mylar-dome tweeter. Includes template and mounting hardware. Power handling 30 W rms; FR 60 Hz-20 kHz .....\$50

### PRO-LS1 2-Way Minispeaker

Acoustic-suspension design with 3-in paper-cone woofer and ½-in ferrofluid-cooled polycarbonate tweeter. Magnetic shielding; wall mountable. Speaker-level spring-clip terminals. Power handling 100 W rms; FR 200 Hz-20 kHz; sens 87 dB; imp 8 ohms. Black or white finish. 5-yr warranty. 3¼ x 6¼ x 3¼ in; 1 lb .....\$50

### STS 65 2-Way Bookshelf Speaker

6½-in woofer and 1-in tweeter. Power handling 45 W rms; FR 60 Hz-20 kHz. Black woodgrain vinyl finish .....\$50

### AMX-10 Powered Computer Speaker

2¼-in driver. Magnetic shielding; requires 4 C batteries. Volume, bass, treble, and power controls; LED on/off indicator. AC adapter optional. FR 150 Hz-20 kHz. 7¼ x 4¼ x 4 in .....\$40/pr

### Model 40-1367 2-Way Ceiling Speaker

5¼-in woofer and ¾-in tweeter. Includes template and mounting hardware. Power handling 15 W rms; FR 60 Hz-20 kHz .....\$40/pr

### STS-50 2-Way Bookshelf Speaker

Acoustic-suspension design with 5-in long-throw woofer and 2½-In cone tweeter. Power handling 40 W rms; FR 90 Hz-20 kHz. Walnut vinyl finish. 6¼ x 11 x 5¼ in .....\$40

### AMX-18 Powered Computer Speaker

Acoustic-suspension design with 4-In driver; 0.75-W amp. Magnetic shielding; AC/DC or battery-powered. RCA inputs. Bass and volume controls. Includes mounting brackets and speaker wire. FR 160 Hz-12 kHz; imp 4 ohms. White. 3¼ x 5¼ x 3¼ in .....\$30/pr

All information in these listings is provided by the manufacturers. If you want to know more, see the directory on page 233 for addresses and phone numbers.

# Speakers

## AMX-5 Powered Speaker

4-in full-range driver. Plugs into stereo headphone minijack. Bass and treble controls; LED power indicator. FR 160 Hz-10 kHz. 6 1/2 x 5 1/4 x 3 1/2 in. . . . . \$30/pr

## AMX-3 Powered Minispeaker

Acoustic-suspension design with 2 1/4-in driver; 1.5-W amp. AC/DC or battery-powered. RCA inputs. Bass and treble controls; LED power indicator. FR 500 Hz-12 kHz; imp 4 ohms. Black. 2 1/2 x 4 x 2 1/2 in. . . . . \$20/pr

## XTS-40 Bookshelf Speaker

4-in driver. Magnetic shielding. Power handling 20 W rms; FR 150 Hz-18 kHz. Black woodgrain finish. . . . . \$20

## OWI

### Model 800 2-Way Outdoor Speaker

5 1/4-in polypropylene-coated woofer and 1-in soft-dome waveguide tweeter. Die-cast aluminum enclosure and grilles. Power handling 100 W max; crossover point 3.5 kHz; FR 100 Hz-22 kHz; sens 89 dB; imp 8 ohms. Black or white. 10 x 6 x 6 1/4 in; 12 lb. . . . . \$459/pr

### Model 602 2-Way Outdoor Speaker

Two 5 1/4-in polypropylene-coated woofers and one 2 1/2-in dome-cone-hybrid tweeter. Die-cast aluminum enclosure and grilles. Power handling 120 W max; crossover point 3.5 kHz; FR 70 Hz-20 kHz; sens 95 dB; imp 8 ohms. Black or white. 7 x 9 x 6 in; 7 lb. . . . . \$439/pr

### Model 503-B 3-Way Outdoor Speaker

5 1/4-in polypropylene-coated woofer, 2-in Mylar tweeter, and 1-in Mylar tweeter. Die-cast aluminum enclosure and grilles. Power handling 120 W max; crossover point 6.5 kHz; FR 60 Hz-22 kHz; sens 93 dB; imp 8 ohms. Black, also available in cream (Model 503-C) or white (Model 503-W). 10 x 6 1/4 x 6 in; 7 lb. . . . . \$420/pr

### Model 502-B 2-Way Outdoor Speaker

5 1/4-in polypropylene-coat woofer and 2-in Mylar tweeter. Die-cast aluminum enclosure and grilles. Power handling 120 W max; crossover point 6 kHz; FR 60 Hz-19 kHz; sens 93 dB; imp 8 ohms. Black, also available in cream (Model 502-C) or white (Model 502-W). 10 x 6 1/4 x 6 in; 7 lb. . . . . \$399/pr

### Model 302 2-Way Outdoor Speaker

4-in polypropylene-coated woofer and 2-in dome-cone-hybrid tweeter. Die-cast aluminum enclosure and grilles. Includes mounting bracket. Power handling 80 W max; crossover point 3.5 kHz; FR 90 Hz-20 kHz; sens 92 dB; imp 8 ohms. Black or white. 7 x 4 1/2 x 4 in; 5 lb. . . . . \$199/pr

### Model 203 2-Way Outdoor Speaker

4-in polypropylene-coated woofer and 2 1/2-in Mylar tweeter. Die-cast aluminum enclosure and grilles. Includes mounting bracket. Power handling 100 W max; crossover point variable from 6-9 Hz; FR 90 Hz-22 kHz; sens 92 dB; imp 8 ohms. Black, cream, or white. 7 x 4 1/2 x 4 in; 6 lb. . . . . \$189/pr

### Model 202 2-Way Outdoor Speaker

4-in polypropylene-coated woofer and 2-in Mylar tweeter. Die-cast aluminum enclosure and grilles. Includes mounting bracket. Power handling 80 W max; crossover point 6 kHz; FR 90 Hz-20 kHz; sens 92 dB; imp 8 ohms. Black, cream, or white. 7 x 4 1/2 x 4 in; 5 lb. . . . . \$179

## In-Wall Series

The following are white with rectangular frames.

### IW-60 2-Way In-Wall Speaker

6 1/4-in polycarbonate-cone woofer with foam surround and 1-in textile-dome tweeter. Power handling 80 W max; FR 55 Hz-20 kHz; sens 89 dB; imp 8 ohms. Mounting area: 12 x 9 in. Mounting depth 3 in. . . . . \$160/pr

### IW-50 2-Way In-Wall Speaker

5 1/4-in polycarbonate-cone woofer with foam surround and 1-in textile-dome tweeter. Power handling 60 W max; FR 60 Hz-20 kHz; sens 87 dB; imp 8 ohms. Mounting area: 11 x 7 1/2 in. Mounting depth 3 in. . . . . \$130/pr

### IWS-80 2-Way In-Wall Speaker

8-in woofer with dual voice coils. Power handling 150 W max; FR 35 Hz-180 kHz; sens 88 dB; imp 8 ohms. Mounting area: 14 x 10 in. Mounting depth 4 in. . . . . \$129

## Bathroom/Shower/Kitchen Series

The following are white with square frames.

### M5CX 2-Way In-Wall Speaker

5 1/4-in polypropylene woofer and 1-in polyester-film-cone tweeter. Power handling 40 W max; FR 50 Hz-20 kHz; sens 94 dB; imp 4 ohms. Mounting area: 6 x 6 in. Mounting depth 2 in. . . . . \$74

### M4F In-Wall Speaker

4-in polypropylene driver. Stainless-steel grille and hardware. Power handling 30 W max; FR 70 Hz-18 kHz; sens 90 dB; imp 4 ohms. Mounting area: 5 x 5 in. Mounting depth 2 in. . . . . \$54

## PANASONIC

### RP-SP50 Powered Minispeaker

2-in driver; defeatable amp rated at 400 mW x 2. Pair join together for carrying. . . . . \$60/pr

### RP-SP15 Minispeaker

2 1/4-in driver. Pair joins together for carrying. Power handling 400 mW max. 8-oz. . . . . \$19.95/pr

## PARADIGM

### Powered Sub Monitor Series

#### Monitor 90P 3-Way Powered Speaker

Bass-reflex design with two 8-in mineral-filled polypropylene woofers, one ferrofluid-cooled 6 1/2-in injection-molded copolymer woofer, and one 1-in ferrofluid-cooled titanium-dome tweeter; amp rated at 140 W rms. Active hybrid system with die-cast woofer chassis; phase-coherent crossovers; high-current, discrete-output amp with oversized power supplies; magnetic shielding. Speaker-level input; subwoofer/LFE-channel input. Auto on/off; subwoofer level control. Crossover points 180 Hz and 2.0 kHz; FR 16 Hz-20 kHz  $\pm$  2 dB; sens 92 dB; imp 8 ohms. Black ash, light cherry or dark cherry laminate. 3-yr warranty. 9 1/4 x 43 1/2 x 14 1/4 in; 70 lb. . . . . \$1,649/pr

**Monitor 70P.** As above, two 6 1/2-in woofers. Power handling 200 W; FR 23 Hz-20 kHz  $\pm$  2 dB; crossover points 200 Hz and 2 kHz; sens 91 dB. 8 1/4 x 39 x 14 1/4 in; 55 lb. . . . . \$1,399/pr

### Monitor Series

The following have built-in high-current amps, large magnet structures, die-cast chassis, and dual-cavity bass-shaping systems.

#### Monitor 90P 3-Way Speaker

Bass-reflex design with two 8-in mineral-filled polypropylene woofers, one 6 1/2-in injection-molded copolymer polypropylene midrange, and one 1-in titanium-dome tweeter. Magnetic shielding. Speaker-level Input; subwoofer input. Auto on/off; subwoofer-level control. Power handling 250 W; FR 18 Hz-20 kHz  $\pm$  2 dB; sens 92 dB; imp 8 ohms. Black ash, light cherry, or dark cherry laminate. 3-yr warranty. 9 1/4 x 43 1/2 x 14 1/4 in; 70 lb. . . . . \$1,499/pr

**Monitor 70P.** As above, two 6 1/2-in mineral-filled polypropylene woofers. Power handling 200 W; crossover points 200 Hz and 2 kHz; FR 23 Hz-20 kHz  $\pm$  2 dB; sens 91 dB. 8 1/4 x 39 x 14 1/4 in; 55 lb. . . . . \$1,199/pr

#### Monitor 9 2-Way Speaker

Bass-reflex design with two 8-in injection-molded copolymer polypropylene woofers and one 1-in titanium-dome tweeter. Biampable terminals. Power

handling 200 W; crossover point 2.0 kHz; FR 32 Hz-20 kHz  $\pm$  2 dB; sens 93 dB; imp 8 ohms. Black ash, light cherry, or dark cherry laminate. 5-yr warranty. 9 1/4 x 37 x 14 1/4 in; 48 lb. . . . . \$749/pr

**Monitor 7.** As above, two 6 1/2-in injection-molded copolymer polypropylene midbass drivers. Power handling 175 W; FR 34 Hz-20 kHz  $\pm$  2 dB; sens 92 dB; crossover point 1.8 kHz. Magnetic shielding optional. 8 x 34 1/2 x 14 1/4 in; 43 lb. . . . . \$629/pr

**Monitor 5.** As above, one 6 1/2-in injection-molded copolymer polypropylene midbass driver. Power handling 100 W; FR 32 Hz-20 kHz  $\pm$  2 dB; sens 90 dB; crossover point 1.8 kHz. 7 1/4 x 33 1/4 x 11 1/4 in; 62 lb. . . . . \$499/pr

**Monitor 3.** As above, one 8-in injection-molded copolymer-polypropylene midbass driver. Terminals not biampable. Power handling 150 W; FR 36 Hz-20 kHz  $\pm$  2 dB; sens 89 dB. 9 1/4 x 20 x 11 1/4 in; 24 lb. . . . . \$399/pr

### ADP-350 2-Way Speaker

Two 6 1/2-in injection-molded copolymer polypropylene woofers and two 1-in titanium-dome tweeters. 2-way optimized multiple-radiation pattern; reverberant surround. Includes ADP Series mounting kit. Power handling 175 W; crossover point 1.8 kHz; FR 55 Hz-20 kHz  $\pm$  2 dB; sens 90 dB; imp 8 ohms. Black-graphite or white laminate. 5-yr warranty. 11 1/2 x 13 x 8 in; 25 lb. . . . . \$699/pr

### Mini Monitor 2-Way Bookshelf Speaker

Bass-reflex design with 6 1/2-in injection-molded copolymer polypropylene woofer and 1-in titanium-dome tweeter. Magnetic shielding optional. Power handling 100 W; crossover point 1.8 kHz; FR 43 Hz-20 kHz  $\pm$  2 dB; sens 89 dB; imp 8 ohms. Black ash, light cherry, or dark cherry laminate. 5-yr warranty. 8 x 13 x 10 1/2 in; 15 lb. . . . . \$339/pr

### CC-350 2-Way Center-Channel Speaker

Bass-reflex design with two 6 1/2-in injection-molded copolymer polypropylene woofers, and one 1-in titanium-dome tweeter. Magnetic shielding. Power handling 175 W; crossover point 1.8 kHz; FR 50 Hz-20 kHz  $\pm$  2 dB; sens 90 dB; imp 8 ohms. Black-graphite finish. 5-yr warranty. 22 1/4 x 7 1/4 x 9 1/4 in; 25 lb. . . . . \$329

**LCR-350 2-Way Speaker.** As above, FR 45 Hz-20 kHz  $\pm$  2 dB. Black ash laminate. 8 x 21 x 11 1/2 in; 25 lb. . . . . \$299

## Powered Subwoofer

The following have built-in high-current amps, large magnet structures, die-cast chassis, and dual-cavity bass-shaping systems. They carry a 3-year warranty.

### PW-2500 Powered Subwoofer

Bass-reflex design with 15-in Kevlar-fiber composite cone driver with dual voice-coil and 2-in bifilar; amp rated at 250 W rms. Line- and speaker-level inputs. Auto on/off; subwoofer-level control. X-Series subwoofer control optional. Crossover point variable from 50-150 Hz; FR 16-150 Hz. Black ash, light cherry, or dark cherry laminate. 19 x 21 1/4 x 24 in; 80 lb. . . . . \$949

### PS-2200 Powered Subwoofer

12-in mineral-filled copolymer polypropylene cone with dual voice-coil and 2-in bifilar; amp rated at 250 W rms. Line- and speaker-level inputs and outputs. Auto on/off; subwoofer-level control; phase control; subwoofer cut-off frequency. Remote control optional. Crossover point variable from 50-150 Hz; FR 18-150 Hz. Black ash, light cherry, or dark cherry. 16 1/2 x 19 1/4 x 21 1/2 in; 69 lb. . . . . \$799

### PS-1200 Powered Subwoofer

12-in carbon-fiber composite cone driver with 2-in voice-coil; amp rated at 130 W rms. Line- and speaker-level inputs. Auto on/off; subwoofer-level control. X-series subwoofer control units optional. Crossover point variable from 50-150 Hz; FR 23-250 Hz. Black-ash laminate. 17 1/4 x 19 1/4 x 21 1/2 in; 68 lb. . . . . \$559

# Speakers

**PS-1000.** As above, 10-in polypropylene-cone driver with 1½-in voice-coil. 80-Hz high-pass filter. FR 25-150 Hz. 16¼ x 16¼ x 19¼ in; 58 lb ... \$499

## PDR-12 Powered Subwoofer

Bass-reflex design with 12-in carbon-fiber composite cone driver with 2-in long-throw voice-coils; amp rated at 110 W rms. Highly damped cone/surround assembly. Line- and speaker-level inputs. Auto on and standby; subwoofer-level control. X-series subwoofer control units optional. Crossover point variable from 50-150 Hz; FR 25-150 Hz. Black ash, light-cherry, or dark-cherry laminate. 3-yr warranty. 14¼ x 16¼ x 19 in; 41 lb ... \$419

**PDR-10.** As above, 10-in carbon-fiber composite-cone driver with 1½-in voice-coil; amp rated at 100 W rms. 13½ x 14¼ x 15 in; 33 lb ... \$349

**PDR-8.** As above, 8-in carbon-fiber composite-driver with 1½-in extended voice-coil; amp rated at 90 W rms. FR 29-150 Hz. 12 x 12¼ x 15 in; 25 lb \$279

## In-Wall Series

The following have one-piece die-cast aluminum main housing/driver chassis, die-cast aluminum mounting brackets, ferrofluid-cooled tweeters, and paintable white-enamel finishes. They carry a 5-year warranty. Pre-install kit for new-home construction \$49 a pair.

## AMS-300 2-Way In-Wall Speaker

Acoustic-suspension design with 8-in mineral-filled polypropylene woofer and 1-in pure-aluminum-dome tweeter. Line-level input. Power handling 150 W; crossover point 1.5 kHz; FR 40 Hz-22 kHz ±2 dB; sens 90 dB; imp 8 ohms. Paintable white. Rectangular frame. Mounting area: 8¼ x 12¼ in. Mounting depth 3¼ in ... \$479/pr

**AMS-250.** As above, one 6½-in mineral filled polypropylene midbass driver. Power handling 120 W; crossover point 1.7 kHz; FR 50 Hz-22 kHz ±2 dB. Mounting depth 3¼ in. 7¼ x 11¼ x 3¼ in; 12 lb ... \$399/pr

**AMS-200.** As above, power handling 100 W; crossover point 2 kHz; FR 55 Hz-20 kHz ±2 dB. Mounting depth 3 in ... \$299/pr

## AMS-100R 2-Way In-Wall/Ceiling Speaker

Acoustic-suspension design with 6½-in mineral-filled polypropylene woofer and 1-in titanium-dome tweeter. Built-in heat sink. 1 pair input terminals. Power handling 100 W; crossover point 2.5 kHz; FR 55 Hz-20 kHz ±2 dB; sens 89 dB; imp 8 ohms. Ceiling white/paintable. Round frame. Mounting diameter 7¼ in. Mounting depth 4 in ... \$299/pr

## Performance Series

The following have die-cast woofer chassis, ferrofluid-cooled tweeters, and phase-coherent crossovers.

## ADP-150 2-Way Speaker

Two 5½-in polypropylene woofers and two ¾-in polyamide-dome tweeters. Includes ADP Series mounting kit. Power handling 100 W; crossover point 3 kHz; FR 65 Hz-20 kHz ±2 dB; sens 89 dB; imp 8 ohms. Black graphite or white laminate. 5-yr warranty. 8¼ x 10½ x 6¼ in; 16 lb ... \$429/pr

**ADP-170.** As above, two ¾-in ferrofluid-cooled ceramic/metal-composite dome tweeters. 1 pair binding posts. Crossover point 2 kHz; FR 60 Hz-20 kHz. 9¼ x 10½ x 7 in; 17 lb ... \$399/pr

**ADP-100.** As above, 2-way optimized multiple-radiation pattern; reverberant surround; two ¾-in polymer-dome tweeters. Power handling 80 W; crossover point 3 kHz; FR 85 Hz-20 kHz ±2 dB; imp 8 ohms; sens 88 dB. 8¼ x 8¼ x 6¼ in; 12 lb ... \$329/pr

## Phantom 2-Way Speaker

Bass-reflex design with two 6½-in polypropylene woofers and one ¾-in ferrofluid-cooled ceramic/metal-composite dome tweeter. 1 pair binding posts. Power handling 160 W; FR 40 Hz-20 kHz ±2 dB; sens 90 dB; imp 8 ohms. Black ash, light cherry or dark cherry laminate. 5-yr warranty. 9¼ x 18¼ x 12¼ in; 22 lb ... \$399/pr



Paradigm AMS-200 in-wall speakers

## Phantom 2-Way Bookshelf Speaker

Bass-reflex design with 8-in polypropylene woofer and ¾-in treated-textile-dome tweeter. Power handling 150 W; crossover point 2.5 kHz; FR 40 Hz-20 kHz ±2 dB; sens 90 dB; imp 8 ohms. Black ash, light cherry, or dark cherry laminate. 9¼ x 18¼ x 12¼ in; 22 lb ... \$309/pr

## ADP-70 2-Way Speaker

Two 4½-in treated composite woofers and two ¾-in ferrofluid-cooled polymer-dome tweeters. 1 pair binding posts. Includes ADP series mounting kit. Power handling 80 W; crossover point 3 kHz; FR 70 Hz-20 kHz; sens 89 dB; imp 8 ohms. Black graphite or white laminate. 5-yr warranty. 7¼ x 8¼ x 5¼ in; 12 lb ... \$249/pr

## Titan 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in polypropylene woofer and ¾-in ferrofluid-cooled ceramic/metal-composite dome tweeter. 1 pair binding posts. Magnetic shielding optional. Power handling 100 W; crossover point 2 kHz; FR 50 Hz-20 kHz ±2 dB; sens 89 dB; imp 8 ohms. Black ash, light cherry, dark cherry, or white laminate. 5-yr warranty. 7¼ x 13 x 9¼ in; 12 lb ... \$219/pr

**Atom.** As above, 5½-in polypropylene woofer. Power handling 80 W; crossover point 3 kHz; FR 55 Hz-20 kHz ±2 dB. 6½ x 10½ x 8¼ in; 9 lb ... \$179/pr

## CC-170 2-Way Center-Channel Speaker

Bass-reflex design with two 5½-in polypropylene woofers and one ¾-in ferrofluid-cooled ceramic/metal-composite dome tweeter. Magnetic shielding. 1 pair binding posts. Power handling 120 W; crossover point 2.5 kHz; FR 46 Hz-20 kHz; sens 91 dB; imp 8 ohms. Black graphite. 5-yr warranty. 6½ x 22 x 8 in; 16 lb ... \$199

**CC-150.** As above, ¾-in polyamide-dome tweeter. 6½ x 20¼ x 8½ in; 17 lb ... \$199

**CC-70.** As above, two 4½-in treated composite woofers. Power handling 80 W; crossover point 3 kHz; FR 65 Hz-20 kHz ±2 dB; sens 89 dB. 14¼ x 5¼ x 6¼ in; 16 lb ... \$139

## LCR-150 2-Way Speaker

Acoustic-suspension design with two 5½-in polypropylene woofers and one ¾-in polyamide-dome tweeter. Magnetic shielding. Power handling 120 W; crossover point 2.5 kHz; FR 46 Hz-20 kHz ±2 dB; sens 91 dB; imp 8 ohms. Black ash, light cherry, or dark cherry laminate. 5-yr warranty. 6¼ x 17¼ x 11¼ in; 19 lb ... \$179

## Micro 2-Way Bookshelf Speaker

Bass-reflex design with 4½-in treated composite woofer and ¾-in ferrofluid-cooled polymer-dome tweeter. 1 pair binding posts. Power handling 60 W; crossover point 3 kHz; FR 60 Hz-20 kHz ±2.5 dB; sens 88 dB; imp 8 ohms. Black ash, light cherry, dark cherry, or white laminate. 5-yr warranty. 6 x 8¼ x 7½ in; 12 lb ... \$149/pr

## CC-50 2-Way Center-Channel Speaker

Bass-reflex design with 5½-in polypropylene woofer and ¾-in polyamide-dome tweeter. Magnetic shielding. Power handling 80 W; crossover point 3 kHz; FR 50 Hz-20 kHz ±2 dB; sens 90 dB; imp 8

ohms. Black-graphite finish. 5-yr warranty. 17¼ x 5¼ x 7¼ in; 13 lb ... \$139

## Passive Subwoofer Series

The following have large magnet structures, oversized crossover inductors, dual-cavity bass-shaping enclosures, and black-oak laminate finishes. They carry a 5-year warranty.

## SB-110 Subwoofer

10-in dual-voice-coil woofer. Power handling 250 W; crossover point 100 Hz; FR 31-100 Hz ±2 dB; sens 94 dB; imp 8 ohms. 16 x 15¼ x 20 in; 42 lb ... \$229

## SB-90 Subwoofer

8-in polypropylene driver with dual voice-coils. 100-Hz high-pass filter. Power handling 150 W; crossover point 100 Hz; FR 39-100 Hz ±2 dB; sens 94 dB; imp 8 ohms. 12¼ x 15¼ x 16¼ in; 31 lb ... \$189

## PARADIGM REFERENCE

### AMS-450 2-Way In-Wall Speaker

Acoustic-suspension design with 8-in mica-loaded polymer woofer and 1-in ferrofluid-cooled aluminum-dome tweeter. Die-cast aluminum chassis. 1 pair input terminals. Includes mounting bracket. Pre-install kit for new home construction optional. Power handling 180 W; crossover point 1.7 kHz; FR 35 Hz-22 kHz ±2 dB; sens 90 dB; imp 8 ohms. Ceiling white/paintable. 5-yr warranty. Rectangular frame. Mounting area: 8¼ x 12¼ in. Mounting depth 3¼ in ... \$600/pr

### LCR-450 2-Way Speaker

Acoustic-suspension design with two 6½-in mica-loaded polymer woofers and one 1-in ferrofluid-cooled aluminum-dome tweeter. Die-cast woofer chassis; phase-coherent crossovers; magnetic shielding. Gold-plated biampable binding posts. Power handling 175 W; crossover point 1.5 kHz; FR 45 Hz-22 kHz ±2 dB; sens 90 dB; imp 8 ohms. Dark-cherry, black ash or black gloss laminates. 5-yr warranty. 8 x 21¼ x 11¼ in; 28 lb ... \$450

## Bipolar Series

The following have die-cast woofer chassis, ferrofluid-cooled tweeters, and phase-coherent crossovers. Available in light, dark, or black oak veneers or gloss-black finish.

### Eclipse/BP 2-Way Bipolar Speaker

Bipolar design with two 8-in mica-loaded polymer woofers and two 1-in aluminum-dome tweeters. Biampable terminals. Power handling 300 W; crossover point 1.5 kHz; FR 18 Hz-22 kHz ±2 dB; sens 91 dB; imp 8 ohms. 5-yr warranty. 9¼ x 50¼ x 17 in; 95 lb ... \$1,900/pr

**Esprit/BP.** One 6½-in mica-loaded polymer woofer. Power handling 250 W; FR 23 Hz-22 kHz ±2 dB. 8½ x 45¼ x 13¼ in; 64 lb ... \$1,400/pr

## Studio Series

The following have die-cast woofer chassis, ferrofluid-cooled tweeters, phase-coherent crossovers, gold-plated binding posts, and biampable terminals. They carry a 5-year warranty. Available in black ash or dark cherry laminate, and black ash, light cherry, or rosenut veneer.

### Studio/100 3-Way Speaker

Bass-reflex design with two 8-in mineral-filled polypropylene woofers, one 6½-in mica-loaded polymer midrange and one 1-in aluminum-dome tweeter. Power handling 350 W; crossover points 250 Hz and 2 kHz; FR 25 Hz-22 kHz ±2 dB; sens 91 dB; imp 6 ohms. 10¼ x 45 x 16¼ in; 87 lb ... \$1,800/pr

As above, in real wood veneer ... \$2,250/pr

### Studio/80 3-Way Speaker

Bass-reflex design with 8-in mineral-filled polypropylene woofer, 8-in mica-loaded polymer midrange, and 1-in aluminum-dome tweeter. Power handling 250 W; FR 27 Hz-22 kHz ±2 dB; sens 92 dB; imp 8 ohms. 10 x 41 x 15¼ in; 72 lb ... \$1,400/pr

As above, in real wood veneer ... \$1,800/pr

# Speakers

## Studio/60 3-Way Speaker

Bass-reflex design with 6½-in mineral-filled polypropylene woofer, 6½-in mica-loaded polymer midrange, and 1-in aluminum-dome tweeter. Power handling 200 W; crossover points 400 Hz and 1.5 kHz; FR 30 Hz-22 kHz ±2 dB; sens 90 dB; imp 8 ohms. 8¼ x 37 x 14¾ in; 58 lb .....\$1,100/pr  
As above, in real wood veneer .....\$1,450/pr

## Studio/20 2-Way Bookshelf Speaker

6½-in mica-loaded polymer woofer and 1-in aluminum-dome tweeter. Power handling 150 W; FR 40 Hz-22 kHz ±2 dB; sens 89 dB; imp 8 ohms. 8¼ x 14 x 11 in; 29 lb .....\$650/pr  
As above, in real wood veneer .....\$850/pr

## Active Series

### Active/20 2-Way Powered Bookshelf Speaker

Bass-reflex design with 6½-in mica-loaded polymer woofer and 1-in ferrofluid-cooled aluminum-dome tweeter; woofer amp rated at 110 W rms, tweeter 50 W rms. Fully active system with die-cast woofer chassis; electronic crossover; discrete amp output; auto on/off; thermal protection circuitry. Line-level RCA or XLR input. ±2 dB contour and ±4 dB low-frequency contour controls; 18 dB/oct crossover; auto on/off. Includes 23-ft line-level cable. Crossover point 1.5 kHz; FR 35 Hz-22 kHz ±1 dB. Black ash or gloss-cherry finish. 3-yr warranty. 8¼ x 14 x 11 in; 35 lb .....\$1,600/pr

**Active/450-ADP.** As above, but with 2-way optimized multiple radiation pattern and reverberant surround. Crossover point 1.5 kHz; FR 44 Hz-20 kHz ±1 dB. Black-graphite finish. 13 x 14 x 9 in; 43 lb .....\$1,850/pr

**Active/450-LR.** As above, critically-aligned sealed design. Magnetic shielding. Crossover point 1.5 kHz; FR 38 Hz-22 kHz ±1 dB. 8 x 21 x 11½ in; 22 lb .....\$925

**Active/450-C.** Center-channel version. 21 x 8 x 11½ in; 22 lb .....\$925

### Servo-15 Powered Subwoofer

Acoustic-suspension design with 15-in Kevlar-fiber-reinforced-composite-cone woofer; amp rated at 400 W rms. Massive-magnet structure; die-cast chassis; instrumentation-grade accelerometer; Line-level input. Auto on/off and subwoofer level control. Includes X-Series subwoofer remote control. Crossover point variable from 50-150 Hz; FR 14 Hz-80 Hz ±2 dB. Black ash laminate, light cherry, or rosenut veneer. 3-yr warranty. 18 x 20 x 21¼ in; 78 lb .....\$1,500  
As above, laminated .....\$1,750

## Reference Surround/Center Channel Series

### CC-450 2-Way Center-Channel Speaker

Bass-reflex design with two 6½-in mica-loaded polymer woofers and one 1-in ferrofluid-cooled aluminum-dome tweeter. Die-cast woofer chassis; phase-coherent crossovers; magnetic shielding. Gold-plated biampable binding posts. Power handling 175 W; crossover point 1.5 kHz; FR 45 Hz-22 kHz ±2 dB; sens 90 dB; imp 8 ohms. Black graphite. 5-yr warranty. 21¼ x 8½ x 11½ in; 28 lb .....\$500  
**ADP-450.** As above, 2-way optimized-multiple-radiation pattern with reverberant surround. Without biampable terminals or magnetic shielding. FR 50 Hz-20 kHz ±2 dB. Black-graphite or white laminate. 11½ x 14 x 9 in; 28 lb .....\$900/pr

## PARASOUND

### C/ST-380A 3-Way In-Wall Speaker

8-in Kevlar woofer with polyurethane surround, 1½-in ferrofluid-cooled dome midrange, and 1-in ferrofluid-cooled titanium-dome tweeter. Midrange driver and tweeter mounted on separate pivoting assembly; 12 dB/oct crossover. Speaker-level inputs; gold-plated 5-way binding posts. Plug for infrared receiver. Includes mounting hardware and paint shield. Power handling 10 W min, 150 W max; FR 36 Hz-22 kHz ±3 dB; sens 89 dB; imp 8 ohms. White cabinet, white grille. 5-yr parts-and-labor warranty. Rectangular frame. Mounting area: 8¾ x 12½ in. Mounting depth 3¼ in .....\$750/pr



Parasond CS/S-260A in-wall speaker

### C/ST-80R/S 2-Way In-Wall Speaker

8-in Kevlar woofer with polyurethane surround and pivoting 1-in ferrofluid-cooled titanium-dome tweeter. 12 dB/oct crossover. Speaker-level inputs. Easy-to-install frame. Includes mounting hardware. Square grille optional. Power handling 10 W min, 70 W max; crossover point 2.6 kHz; FR 55 Hz-22 kHz ±3 dB; sens 89 dB; imp 8 ohms. White bezel, white grille. 5-yr limited parts-and-labor warranty. Round frame. Mounting diameter 9½ in. Mounting depth 3¼ in .....\$429/pr

### Nomad Nine 2-Way Outdoor Speaker

Acoustic-suspension design with 5¼-in carbon-fiber polycarbonate woofer with polycarbonate surround and 1-in ferrofluid-cooled titanium-dome tweeter. Weather resistant; resonant-free cabinet; stainless steel grille; 12 dB/oct crossover. Speaker-level inputs; gold-plated 5-way binding posts. Includes mounting brackets. Power handling 10 W min, 100 W max; crossover point 2.2 kHz; FR 44 Hz-20 kHz ±3 dB; sens 88 dB; imp 8 ohms. White cabinet, black grille. 5-yr parts-and-labor warranty. 7½ x 11¼ x 6½ in; 7 lb .....\$425/pr

**Nomad Eight.** As above, power handling: 10 W min, 80 W max; crossover point 2.6 kHz; FR 50 Hz-20 kHz ±3 dB .....\$349/pr

**Nomad seven.** As above, power handling 10 W min, 70 W max; crossover point at 2.2 kHz; FR 58 Hz-20 kHz ±3 dB; Sens 87 dB. 5½ x 8½ x 5½ in; 5 lb .....\$229/pr

## Outdoor Speakers

The following have carbon-fiber reinforced polycarbonate-cone woofers, stainless-steel grilles and speaker terminals, and white or black finishes.

### Nomad Ten 2-Way Outdoor Speaker

6½-in polycarbonate woofer and 1-in ferrofluid-cooled supronyl soft-dome tweeter. 12-dB/oct crossover. Power handling 10 W min, 120 W max; FR 36 Hz-20 kHz ±2.5 dB; sens 89 dB; imp 8 ohms .....\$499/pr

### Nomad Six 2-Way Outdoor Speaker

5¼-in woofer and 1-in ferrofluid-damped soft-dome tweeter. 12-dB/oct crossover. Power handling 80 W rms; FR 48 Hz-20 kHz ±2.5 dB; sens 88 dB; imp 8 ohms .....\$360/pr

**Nomad Four.** As above, 4-in woofer. Power handling 60 W rms; crossover point 2.6 kHz; FR 65 Hz-20 kHz ±3 dB; sens 86 dB .....\$165/pr

### Nomad Five 2-Way Outdoor Speaker

5¼-in woofer and 2-in cone tweeter. 12-dB/oct crossover. Power handling 70 W rms; crossover point 3.3 kHz; FR 55 Hz-20 kHz ±4 dB; sens 88 dB; imp 8 ohms .....\$280/pr

### Nomad Three 2-Way Outdoor Speaker

4-in woofer and 1-in cone tweeter. 6-dB/oct crossover. Power handling 40 W rms; crossover point 3 kHz; FR 75 Hz-18 kHz ±4 dB; sens 86 dB; imp 8 ohms .....\$120/pr

## In-Wall Speakers

### CS/T-280A 2-Way In-Wall Speaker

8-in woofer and 1-in ferrofluid-damped titanium-dome tweeter. 9-element 12-dB/oct crossover. 3-position tweeter-level control; baffle hole for infrared eye. Power handling 100 W; FR 36 Hz-22 kHz ±3 dB; sens 89 dB; imp 8 ohms .....\$485/pr

**Wise 8.0.** Sealed in-wall MDF speaker enclosure for above. Includes mounting bracket and hardware. 14¼ x 40 x 3¼ in .....\$65

**NC/K-8M.** New-construction rough-in Installation kit .....\$58/pr

### CS/T-265A 2-Way In-Wall Speaker

6½-in woofer and 1-in ferrofluid-damped titanium-dome tweeter. 7-element 12-dB/oct crossover. 3-position tweeter-level control; baffle hole for infrared eye. Power handling 75 W rms; FR 42 Hz-22 kHz ±3 dB; sens 88 dB; imp 8 ohms .....\$365/pr

**Wise 6.5.** Sealed MDF in-wall speaker enclosure for above. Includes mounting bracket and hardware. 14¼ x 30 x 3¼ in .....\$65

**NC/K-6M.** New-construction kit .....\$54/pr

### CS/W-1002 In-Wall Subwoofer

10-in dual-voice-coil woofer. 12-dB/oct low-pass filter at 140 Hz; 6-dB/oct high-pass filter. Satellite output. Power handling 120 W; FR 26-180 Hz ±3 dB; sens 89 dB; imp 8 ohms. Round frame. Mounting diameter: 10¼ in. Mounting depth 2 in ...\$279

### CS/T-255A 2-Way In-Wall Speaker

5¼-in woofer and 1-in titanium-dome tweeter. 7-element 12-dB/oct crossover. 3-position level control; baffle mounting for Infrared eye. Power handling 75 W rms; crossover point 2.6 kHz; FR 54 Hz-22 kHz ±3 dB; sens 87 dB; imp 8 ohms ...\$265/pr

**Wise 5.5.** Sealed MDF in-wall speaker enclosure for above. Includes mounting bracket and hardware. 14¼ x 30 x 3¼ in .....\$65

**NC/K-5M.** New-construction kit .....\$50/pr

### CS/S-260A 2-Way In-Wall Speaker

6½-in woofer and 1-in soft-dome tweeter. Power handling 40 W rms; FR 46 Hz-20 kHz ±3 dB; sens 88 dB; imp 8 ohms .....\$249/pr

### CS/T-65R 2-Way Ceiling Speaker

6½-in woofer and 1-in titanium tweeter. 12-dB/oct crossover. Power handling 60 W; FR 58 Hz-20 kHz ±3 dB; sens 88 dB; imp 8 ohms .....\$249/pr  
As above, 8-in woofer. Frequency response 55 Hz-20 kHz ±3 dB .....\$429/pr

### CW/W-8 In-Wall Subwoofer

8-in dual-voice-coil woofer. 12-dB/oct low-pass filter at 140 Hz; 6-dB/oct high-pass filter. Power handling 120 W rms; FR 33-180 Hz ±3 dB; sens 87 dB; imp 8 ohms .....\$199

**Wise 8.0.** Sealed in-wall MDF speaker enclosure for above. Includes mounting bracket and hardware. 14¼ x 40 x 3¼ in .....\$65

**NC/K-8M.** New-construction kit .....\$58/pr

### CS/S-250A 2-Way In-Wall Speaker

5¼-in woofer and 1-in polycarbonate-dome tweeter. 6-dB/oct crossover. Power handling 40 W rms; crossover point 3.3 kHz; FR 70 Hz-20 kHz ±3 dB; sens 86 dB; imp 8 ohms .....\$149/pr

**Wise 5.5.** Sealed MDF in-wall speaker enclosure for above. Includes mounting bracket and hardware. 14¼ x 30 x 3¼ in .....\$65

**NC/K-5M.** New-construction kit .....\$50/pr

### CS/S-60R 2-Way Ceiling Speaker

6½-in full-range driver. Power handling 10 W min, 40 W max; FR 60 Hz-18 kHz ±3 dB; sens 87 dB; imp 8 ohms .....\$139/pr

## PEGASUS AUDIO

The following are available in kit form. Contact the manufacturer for information.

### RockMaster 3 2-Way Speaker

Bass-reflex design with 15-in woofer and 4 x 11-in

# Speakers

horn tweeter. 18-dB/oct high-pass filter. Crossover point 3.5 kHz; FR 46 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 6 ohms. 32 x 20 x 13 in; 79 lb .....\$2,400/pr

## Beta 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in woofer and ¾-in polyimide dome tweeter. Nickel-plated brass 5-way binding posts with banana jacks. Power handling 15 W min, 150 W max; crossover point 4.5 kHz; FR 74 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp 4. Black ash or white crystal laminate. 7¼ x 11¼ x 9 in; 17 lb .....\$1,500/pr

## Gemini 2-Way Speaker

Composite-vented design with two 6½-in woofers and one 1-in aluminum-honeycomb tweeter. Isobaric driver configuration. Nickel-plated spring terminals. Power handling 25 W min, 250 W max; crossover point 5.5 kHz; FR 35 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 6 ohms. Black ash, cherry or oak laminate finish. 9¼ x 39 x 9¼ in; 45 lb .....\$1,500/pr

## Quartet Subwoofer/Satellite System

4-speaker system featuring two subwoofers, each with 6½-in driver; two satellites, each with 4½-in woofer and ¾-in dome tweeter. Crossover points 150 Hz and 5 kHz; FR 46 Hz-20 kHz  $\pm 3$  dB system; sens 92 dB; imp 8 ohms .....\$1,299

## Lambda 1A 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in polymer woofer and ¾-in ferrofluid-cooled polyimide-dome tweeter. 21-mm-thick Medite- and plastic-laminate enclosure; monolithic baffle/brace; 6-dB/oct high-pass filter. Gold-plated brass 5-way binding posts and banana jacks. Power handling 15 W min, 75 W max; FR 45 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp 6 ohms. English oak or matte black laminate. 8¼ x 16¼ x 10¼ in; 20 lb .....\$850/pr

## Apollo Subwoofer

Bass-reflex design with two 10-in woofers. Isobaric driver configuration. FR 29-200 Hz  $\pm 3$  dB; sens 90 dB; imp 4 ohms. 36 x 14 x 14 in; 65 lb .....\$675

## Alpha III 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in woofer and ¾-in dome tweeter. 6-dB/oct low-pass crossover. Gold-plated brass 5-way binding posts and banana jacks. Power handling 15 W min, 125 W max; crossover point 5.5 kHz; FR 50 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. 12 x 20 x 8½ in; 28 lb .....\$600/pr

## Athena Subwoofer

Bass-reflex design with 8-in woofer. FR 35-200 Hz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. 39 x 10 x 10 in .....\$500

## P.E.L. CONCEPT

### ENZO 2-Way Speaker

Bass-reflex design with two 6½-in carbon-loaded polypropylene woofers and 1-in soft-dome tweeter. MDF cabinet. Includes spikes and floor stand. Sens 89 dB; imp 6 ohms. Black ash, beech, or yew. 8¼ x 42¼ x 10¼ in; 55 lb .....\$1,600/pr  
**Classic.** As above, no internal baffle. Power handling 100 W. 51 lb .....\$1,200/pr  
**ENGY.** As above with internal baffle. One 6½-in carbon-loaded polypropylene woofer and ¾-in metal-dome tweeter. Black ash or beech. 8¼ x 35 x 9½ in; 35 lb .....\$720/pr

### Prima 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in carbon-loaded polypropylene woofer and ¾-in metal-dome tweeter. MDF cabinet with internal baffle and internal acoustic filter. Includes spikes. Power handling 75 W; sens 89 dB; imp 8 ohms. Black ash. 8¼ x 14 x 10 in; 18 lb .....\$500/pr

## PFANTONE

### CH-27PR8 Deluxe 3-Way Speaker

8-in woofer, carbon-cone midrange, and 1-in soft-dome tweeter. Power handling 80 W; crossover

point 3 kHz; FR 35 Hz-220 kHz; imp 8 ohms. White. 14 x 10 x 4 in .....\$350/pr

### CH-27PR6 3-Way In-Wall Speaker

6½-in woofer, carbon-cone midrange, and 1-in soft-dome tweeter. Power handling 50 W; crossover point 2.2 kHz; FR 40 Hz-220 kHz; imp 8 ohms. White. 12 x 9 x 4 in .....\$300/pr  
**CH-27PR5.** As above, 5¼-in woofer. Crossover point 2 kHz. 11 x 8 x 3 in .....\$200/pr

## PHASE TECHNOLOGY

The following carry a 5-year warranty.

### Model 7T 2-Way Speaker

8-in polypropylene woofer and 1-in soft-dome tweeter. Power handling 120 W; FR 40 Hz-20 kHz; sens 90 dB; imp 8 ohms. High-gloss plano-black top and base. 10 x 36¼ x 12 in; 51 lb .....\$300

### Home Theater Series

**Model 7T Home Theater System.** Octave Power 12 powered subwoofer, Teatro Center center-channel speaker, two 7-T speakers, and two DS T surround speakers .....\$3,450

**PC-2 Home Theater System.** Octave 1.0 powered subwoofer, 2 PC-2 speakers, 1 PC-3 speaker, and 2 PC-Surround dipolar speakers .....\$2,950

**PC-3 Home Theater System.** Octave 1.0 powered subwoofer and 5 PC-3 speakers .....\$1,650

**Model 2.5T Home Theater System.** Octave Power 10 powered subwoofer, Teatro Center center-channel speaker, 2 Teatro 2.5 speakers, and 2 DST surround speakers .....\$1,050

### Octave Series

The following have a phase switch, auto turn-on, line- and speaker-level inputs, and speaker-level outputs.

### Octave 1.0 Powered Subwoofer

15-in mineral-filled polypropylene-cone woofer; amp rated at 240 W. Servo amp; 24-dB/oct selectable active crossover. Level control. Black laminate finish with solid cherry or dark oak top. 18 x 21 x 20 in .....\$1,000  
 As above, solid black oak top .....\$950

### Octave Power 12 Powered Subwoofer

12-in felted-stock cone woofer; amp rated at 125 W. Servo amp; 18-dB/oct variable crossover; 6-dB/oct high-pass crossover. Black laminate finish. 19 x 16½ x 17½ in .....\$600

### Octave Power 10 Powered Subwoofer

10-in felted-stock cone woofer; amp rated at 100 W. 18-dB/oct variable crossover; 6-dB/oct high-pass crossover. Black oak laminate finish. 15¼ x 14¼ x 15 in .....\$400

## CI Series

### CI-100 3-Way In-Wall Speaker

6½-in solid-piston woofer with rubber surround, 6½-in Kevlar-laminated solid-piston woofer/midrange with rubber surround, and 1-in variable-axis ferrofluid-cooled soft-dome tweeter. Unicell acoustic treatment. Power handling 125 W; FR 32 Hz-22 kHz; imp 8 ohms. Rectangular frame. Mounting area 21¼ X 10 in. Mounting depth 3¼ in .....\$850/pr

### CI-60 V 2-Way In-Wall Speaker

6½-in solid-piston woofer with rubber surround and 1-in variable axis ferrofluid-cooled soft-dome tweeter. Auto-resetting thermal circuit breaker. 5-way binding posts. Power handling 80 W; FR 40 Hz-20 kHz; imp 8 ohms. Rectangular frame. Mounting area 12 X 8¼ in. Mounting depth 3¼ in .....\$500/pr

### CI-4C V 2-Way In-Wall Speaker

6½-in polypropylene woofer with rubber surround and 1-in variable-axis ferrofluid-cooled soft-dome tweeter. Overload-protection mechanism. 5-way binding posts. Power handling 70 W; FR 45 Hz-20 kHz; imp 8 ohms. Rectangular frame. Mounting area 12 X 8¼ in. Mounting depth 3¼ in .....\$400/pr  
**CI-20 V.** As above, ¾-in ferrofluid-cooled dome tweeter. Power handling 60 W; FR 50 Hz-20 kHz. Mounting depth 3¼ in .....\$300/pr  
**CI-10 V.** As above, 5¼-in polypropylene woofer with rubber surround. Power handling 50 W; FR 55 Hz-20 kHz. Mounting depth 3¼ in .....\$220/pr

### CI-6FL 2-Way Ceiling Speaker

6½-in polypropylene woofer with rubber surround and ¾-in variable-axis soft-dome tweeter. Power handling 100 W; FR 42 Hz-20 kHz; sens 90 dB; imp 8 ohms. Round frame. Mounting diameter 7¼ in. Mounting depth 4 in .....\$150

### CI-4-REC-C 2-Way Ceiling Speaker

Coaxial design with 5¼-in polypropylene woofer with rubber surround and ¾-in dome tweeter enclosed in mounting assembly. Overload-protection mechanism. Quick-connect wire spring terminals. Power handling 40 W; FR 70 Hz-20 kHz; sens 91 dB; imp 8 ohms. Round enclosure that simulates standard ceiling recessed light housing. Round frame. Mounting diameter 6½ in. Mounting depth 4 in .....\$100  
**CI-2-FL-C.** As above, resembles flood light .....\$90

### CI-5 DV Ceiling Speaker

5½-in polypropylene woofer with rubber surround. Power handling 60 W; FR 68 Hz-18 kHz; sens 88 dB; imp 4, 8, or 16 ohms. Round frame. Mounting diameter 6½ in. Mounting depth 3¼ in .....\$95

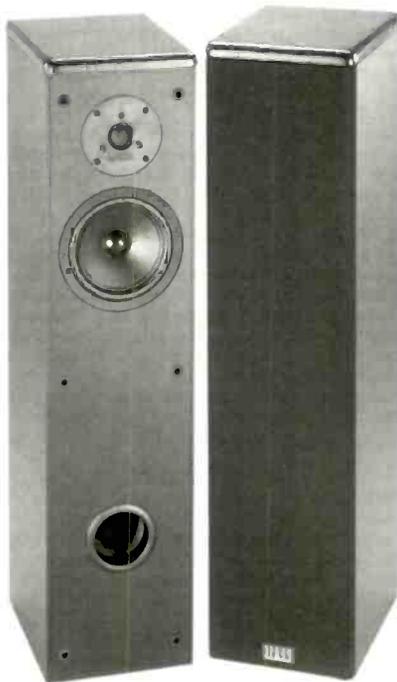
## PC Series

### PC-2 2-Way Speaker

6½-in RPF Kevlar-laminated solid-piston woofer with rubber surround and 1-in ferrofluid-cooled variable-axis soft-dome tweeter. Unicell acoustic treatment; magnetic shielding. Power handling 20 W min; FR 40 Hz-22 kHz; sens 91 dB; imp 6 ohms. Dark oak or black oak wood veneer. 8¼ x 17 x 11¼ in .....\$750/pr

### PC Surround 3-Way Bipolar/Dipolar Speaker

Switchable bipolar/dipolar design with one 6½-in RPF solid-piston woofer with rubber surround, two 4-in polypropylene midranges with rubber surrounds, and two 1-in ferrofluid-cooled soft-dome tweeters. Power handling 20 W min; FR 55 Hz-20



Phase Technology Teatro 5.5

# Speakers

kHz; sens 89 dB; imp 6 ohms. Textured black or white laminate top and base with matching grille cloth. 14 1/4 x 14 1/4 x 6 in . . . \$700/pr

## PC-1 2-Way Speaker

6 1/2-in RPF solid-piston woofer with rubber surround and 1-in ferrofluid-cooled soft-dome tweeter. Magnetic shielding. Power handling 20 W min; FR 48 Hz-22 kHz; sens 89 dB; imp 6 ohms. Dark oak or black oak wood veneer finish. 8 1/4 x 13 1/4 x 1 1/4 in . . . \$550/pr

## PC-3 2-Way Speaker

Two 6 1/2-in solid-piston woofers with rubber surround and one 1-in variable-axis ferrofluid-cooled soft-dome tweeter. Proprietary acoustic treatment. Magnetic shielding. Power handling 20 W min; FR 38 Hz-22 kHz; sens 93 dB; imp 6 ohms. Dark oak or black oak wood veneer. 22 x 8 1/4 x 12 in . . . \$500

## PC-Center Channel II 2-Way Center-Channel Speaker

Two 5 1/4-in solid-piston woofers and one 1-in ferrofluid-cooled soft-dome tweeter. Magnetic shielding. Power handling 15 W min; FR 75 Hz-22 kHz; sens 90 dB; imp 8 ohms. Black-laminate . . . \$300

## Teatro Series

### Teatro Tower 10 3-Way Speaker/Powered Subwoofer

Built-in powered subwoofer with 10-in driver and 75-W amp; speaker section with 5 1/4-in polypropylene-cone woofer/midrange with rubber surround and one 1-in soft-dome tweeter. FR 30 Hz-20 kHz; sens 91 dB; imp 8 ohms. Black fabric finish with piano-black high-gloss top and base. 7 1/2 x 40 1/4 x 13 1/2 in; 50 lb . . . \$500

### Teatro 5.5 2-Way Speaker

6 1/2-in polypropylene woofer with rubber surround and 1-in soft-dome tweeter. Power handling 100 W; FR 42 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black wood-grain laminate. 8 x 33 x 11 in; 32 lb . . . \$200

### Teatro Center 2-Way Center Speaker

5 1/4-in polypropylene woofer with rubber surround, 5 1/4-in bass radiator, and 1-in soft-dome tweeter. Power handling 100 W; FR 60 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black laminate. 20 x 6 1/4 x 7 1/2 in; 17 lb . . . \$200

### Teatro 3.5 2-Way Speaker

6 1/2-in polypropylene woofer with rubber surround and 1-in soft-dome tweeter. Power handling 90 W; FR 50 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black woodgrain laminate. 8 x 15 1/2 x 8 1/2 in; 13 lb . . . \$150

### DS T Ambient 2-Way Surround Speaker

One 5 1/4-in polypropylene woofer with rubber surround and two 3/4-in dome tweeters. Power handling 75 W; FR 80 Hz-20 kHz; sens 90 dB; imp 8 ohms. Textured black or textured white laminate top and base with matching grille cloth. 10 1/4 x 9 1/4 x 4 in; 7 lb . . . \$125

### Teatro 2.5 2-Way Speaker

5 1/2-in polypropylene woofer with rubber surround and 1-in soft dome-tweeter. Power handling 75 W; FR 55 Hz-22 kHz; sens 89 dB; imp 8 ohms. Black woodgrain laminate or textured white laminate with matching grille cloth. 6 1/2 x 10 1/2 x 8 in; 9 lb . . . \$100

## T Series

### DS T 2-Way Surround Speaker

5 1/4-in polypropylene woofer with rubber surround and two 3/4-in ferrofluid-cooled dome tweeters. Power handling 75 W; FR 80 Hz-20 kHz; sens 90 dB; imp 8 ohms. Textured black or white with matching grille cloth. 9 1/2 x 10 x 4 in . . . \$250/pr

## PHILIPS MAGNAVOX

### FB201 Powered Subwoofer

Tuned-port design with 6-in down-firing driver; amp rated at 50 W rms. Level control. Black. 9 1/2 x 12 1/2 x 16 in; 20 lb . . . \$130

## PHYSICS

*The following have cylindrical-polymer cabinets with internal bracing and resonance-damping treatments, Acousto Servo systems for enhanced bass production, and floor spikes. The cabinets are covered with beige or black cloth with honey-oak or black lacquer-hardwood accents; custom finishes are available.*

### Illusion FS 3-Way Speaker

Acoustic servo design with 6-in polypropylene-mica woofer, 6-in polypropylene mldrange, and 1-in aluminum-dome tweeter with 1/4 wave-tuned enclosure; all drivers phase aligned. Antiresonant 3-layer front baffle; 1st-Incident reflection imaging system; hard-wired graduated slope crossover with impedance correction. Power handling 150 W; FR 46 Hz-21 kHz; sens 87 dB; imp 4 ohms. 48 lb . . . \$2,300/pr

### Illusion M 2-Way Speaker

Acoustic servo design with two 4-in polypropylene woofer and one 1-in aluminum-dome tweeter with 1/4 wave-tuned enclosure. FR 55 Hz-21 kHz; sens 86 dB; imp 4 ohms. 32 lb . . . \$1,300/pr

## The Ritz Series

*The following are designed for home theater use and have magnetic shielding, phase-aligned crossovers, and proprietary grille assemblies to enhance imaging. All are available in free-standing or wall-mount versions.*

### RSB1 Powered Subwoofer

Dual-chamber bass-reflex design with two 8-in long-throw polypropylene woofers in horizontally opposed configuration to reduce THD; 120-W amp. Variable cutoff and standby circuitry. Speaker- and line-level inputs. Available as floor standing tower or concealed version for in-floor or in-wall mounting. FR 28-100 Hz; Imp 4 ohms . . . \$900

### RC1 2-Way Center-Channel Speaker

Bass-reflex design with one 6-in polypropylene woofer and two 1-in chambered aluminum-cone tweeters. Includes swivel mounts. Power handling 125 W; FR 63 Hz-21 kHz; sens 87 dB; imp 4 ohms . . . \$500

### RM1 2-Way Center-Channel Speaker

Bass-reflex design with 6-in polypropylene-mica woofer and 1-in chambered aluminum tweeter. Power handling 125 W; FR 50 Hz-21 kHz; sens 87 dB; imp 4 ohms . . . \$450

### R2 2-Way Speaker

Acoustic-suspension design with 6-in polypropylene woofer and 1-in chambered aluminum-dome tweeter. Power handling 100 W; FR 60 Hz-21 kHz; sens 86 dB; imp 8 ohms . . . \$275

### R2 IW 2-Way In-Wall Speaker

6-in polypropylene woofer and 1-in chambered aluminum-dome tweeter. Aluminum baffle plate. Power handling 100 W; FR 50 Hz-21 kHz; sens 87 dB; imp 8 ohms. Rectangular frame. Mounting area: 14 x 9 in . . . \$275

### RR1 2-Way Minispeaker

Bass-reflex design with 4-in polypropylene woofer and 3/4-in Mylar tweeter. Power handling 50 W; FR 75 Hz-19 kHz; sens 86 dB; imp 8 ohms . . . \$150

## PINNACLE

### Classic Gold Series

*The following can be used as front or surround-channel speakers in home theaters or music systems. All have patented Diaduct port technology and 10-year warranties.*

### Classic Gold Aerogel 3-Way Speaker

Two 8-in fiber-cone woofers, 5 1/4-in mldrange, and 1-in liquid-cooled gold-Aerogel-dome tweeter. Magnetic shielding. Power handling 175 W rms; crossover points 500 Hz and 5 kHz; FR 26 Hz-

21 kHz; sens 95 dB; imp 8 ohms. 9 1/2 x 43 1/2 x 15 1/4 in . . . \$1,695/pr

### Classic Gold Tower 3-Way Speaker

Built-in subwoofer with 8-in fiber-cone driver; 8-in fiber-cone woofer; 1-in liquid-cooled gold-dome tweeter. Magnetic shielding. Power handling 150 W rms; crossover point 150 Hz and 2 kHz; FR 27 Hz-21 kHz; sens 95 dB; imp 8 ohms. 9 1/2 x 37 1/2 x 15 1/4 in . . . \$1,095/pr

### Classic Gold Reference 2-Way Speaker

Two 6 1/2-in fiber-cone woofers and one 1-in liquid-cooled gold-dome tweeter. Magnetic shielding. Power handling 125 W rms; crossover point 2.5 kHz; FR 29 Hz-21 kHz; sens 92 dB; imp 8 ohms. 8 1/2 x 33 x 13 1/4 in . . . \$895/pr

### Classic Gold Monitor 2-Way Bookshelf Speaker

8-in fiber-cone woofer and 1-in liquid-cooled gold-dome tweeter. Power handling 100 W rms; crossover point 2.2 kHz; FR 35 Hz-21 kHz; sens 93 dB; imp 8 ohms. 11 x 18 1/2 x 10 1/2 in . . . \$525/pr

### Classic Gold Mini-Monitor 2-Way Bookshelf Speaker

5 1/4-in fiber-cone woofer and 1-in liquid-cooled gold-dome tweeter. Power handling 75 W rms; crossover point 2 kHz; FR 45 Hz-21 kHz; sens 92 dB; imp 8 ohms. 8 1/2 x 13 x 7 1/2 in . . . \$395/pr

## Powered Subwoofer Series

*The following have high-powered, high-efficiency amplifiers that run cool to allow the use of compact cabinets.*

### Digital Sub 350 Powered Subwoofer

Compound-compression design with two 12-in woofers with 2-in voice coils, 40-oz magnets, rubber surrounds and polypropylene cones; amp rated at 350 W rms. Gold-plated binding posts; line-level inputs. Crossover point variable from 50-150 Hz; FR 22-150 Hz -3 dB. 14 x 15 x 15 in . . . \$1,195

### Baby Boomer Powered Subwoofer

Bipolar acoustic-suspension design with two 8-in polypropylene-cone drivers, each with 2-in voice coil, 20-oz magnet, and foam surround; 600-W amp. Line-level input; gold-plated binding posts. Crossover point adjustable from 50-150 Hz; FR 25-150 Hz -3 dB. 9 1/2 x 9 1/2 x 9 1/2 in . . . \$895

### Digital Sub 250 Powered Subwoofer

Acoustic-suspension design with 12-in polypropylene woofer with 2-in voice-coil, 40-oz magnet and rubber surround; amp rated at 250 W rms. Gold-plated binding posts; line-level inputs. Crossover point variable from 50-150 Hz; FR 25-150 Hz -3 dB. 14 x 15 x 15 in . . . \$850

### Digital Sub 150 Powered Subwoofer

Acoustic-suspension design with 12-in polypropylene woofer with 1 1/2-in voice-coil, 20-oz magnet and foam surround; 150-W amp. Line- and speaker-level inputs. Crossover point variable from 75-180 Hz; FR 30-180 Hz -3 dB. 14 x 15 x 15 in . . . \$595

## Center-Channel Series

*The following have magnetic shielding.*

### Classic Gold 2-Way Center-Channel Speaker

Four 5 1/4-in fiber-cone drivers and one 1-in liquid-cooled gold-dome tweeter. Power handling 500 W max; crossover point 4 kHz; FR 80 Hz-21 kHz; sens 91 dB; imp 8 ohms. 31 x 7 x 8 1/4 in . . . \$550

### Widescreen 2-Way Center-Channel Speaker

Four 4-in wide-band drivers and one 1-in liquid-cooled soft-dome tweeter. Power handling 300 W max; crossover point 4 kHz; FR 90 Hz-20 kHz; sens 90 dB; imp 8 ohms. 25 1/2 x 6 x 5 1/2 in . . . \$325

### AC 2-Way Center-Channel Speaker

Two 4-in wide-band drivers and one 1-in liquid-cooled soft-dome tweeter. Power handling 100 W

# Speakers

rms; crossover point 4 kHz; FR 100 Hz-20 kHz; sens 90 dB; imp 8 ohms. 17 x 6 x 5 1/4 in . . . . \$209

## In-Wall Speaker Series

The following are white with rectangular frames and include mounting hardware.

### PM8000 2-Way In-Wall Speaker

8-in polypropylene-cone woofer and 1/2-in liquid-cooled titanium pivot-mount tweeter. Power handling 125 W rms; FR 40 Hz-20 kHz; sens 93 dB; imp 8 ohms. Mounting area: 10 1/2 x 14 1/4 in . . . . \$495/pr

### PM6000 2-Way In-Wall Speaker

6 1/2-in polypropylene-cone woofer and 1/2-in liquid-cooled titanium pivot-mount tweeter. Power handling 100 W rms; FR 50 Hz-20 kHz; sens 91 dB; imp 8 ohms. Mounting area: 8 3/4 x 12 1/2 in . . . . \$375/pr

### INW500 2-Way In-Wall Speaker

5 1/4-in polypropylene-cone woofer and 1-in liquid-cooled soft-dome tweeter. Power handling 75 W rms; FR 60 Hz-20 kHz; sens 88 dB; imp 8 ohms. Mounting area: 7 1/2 x 11 in . . . . \$225/pr

## Audio Cinema Series

### AC-3000 2-Way Bookshelf Speaker

4-in fiber-cone woofer and 3/4-in liquid-cooled soft-dome tweeter. Magnetic shielding. Overload protection. Power handling 50 W rms; crossover point 5.5 kHz; FR 60 Hz-21 kHz; sens 90 dB; imp 8 ohms. 6 x 9 1/4 x 6 1/4 in . . . . \$359/pr

### AC-650 2-Way Bookshelf Speaker

6 1/2-in fiber-cone woofer and 3/4-in liquid-cooled soft-dome tweeter. Power handling 85 W rms; crossover point 2.5 kHz; FR 40 Hz-21 kHz; sens 91 dB; imp 8 ohms. 9 1/2 x 16 1/2 x 8 1/4 in . . . . \$349/pr

### AC-500 2-Way Bookshelf Speaker

5 1/4-in fiber-cone woofer and 3/4-in liquid-cooled dome tweeter. Magnetic shielding. Power handling 70 W rms; crossover point 5 kHz; FR 50 Hz-21 kHz; sens 90 dB; imp 8 ohms. 8 1/2 x 11 1/2 x 6 1/2 in . . . . \$250/pr

### AC-400 2-Way Bookshelf Speaker

4-in fiber-cone woofer and 3/4-in liquid-cooled dome tweeter. Magnetic shielding. Power handling 50 W rms; crossover point 5.5 kHz; FR 60 Hz-21 kHz; sens 88 dB; imp 8 ohms. 6 x 9 1/4 x 7 in . . . . \$199/pr

### AC-300 2-Way Outdoor Speaker

4-in polypropylene-cone woofer and 1/2-in liquid-cooled dome tweeter. Weather-resistant enclosure. Includes mounting bracket. Power handling 40 W; FR 100 Hz-16 kHz; sens 87 dB; imp 8 ohms. 4 1/2 x 7 1/4 x 4 1/4 in . . . . \$175/pr

## PIONEER

*Linear Power Response (LPR) refers to a proprietary sealed/no-surround driver technology designed to increase bass response and sound levels from small speakers with less distortion.*

### S-W200 LPR Powered Subwoofer

Bass-reflex design with two 5 1/4-in LPR woofers; 200-W amp. Magnetic shielding. Line- and speaker-level inputs. Level control; phase-reverse switch. Includes speaker wire and RCA cables. FR 30-200 Hz; sens 84 dB. Black cabinet. 8 x 21 1/2 x 16 1/2 in; 32 lb . . . . \$800

### CS-H505V Home Theater System

5-speaker system with left/right main speakers with 12-in cone woofer, 4 3/4-in cone midrange and 2 1/2-in cone tweeter; center-channel speaker with two 6-in cone woofers and one 2 1/2-in cone tweeter; 2 surround speakers, each with 4-in full-range cone driver. Magnetic shielding on front and center-channel speaker. Power handling 120 W max front, 150 W max center, 75 W max surround; FR 30 Hz-20 kHz system; sens 87 dB front, 89 dB center and surround; imp 8 ohms . . . . \$510

### S-CR505 Center/Surround System

3-speaker system with center-channel speaker; two 2-way surround speakers, each with 5 1/4-in LPR woofer and 1-in tweeter. Magnetic shielding. Includes mounting bracket for wall/stand. Power handling 160 W max; crossover point 5 kHz; FR 55 Hz-35 kHz system; sens 84 dB. Black cabinet. 5 1/2 x 9 x 6 in; 6 lb . . . . \$375

### CS-G104 2-Way Bookshelf Speaker

Acoustic-suspension design with 10-in woofer and 2 1/2-in cone tweeter. Power handling 50 W; FR 55 Hz-20 kHz . . . . \$166/pr

### S-CR400 Center/Surround System

3-speaker system with magnetically shielded center speaker with two 4-in drivers; 2 surround speakers, each with 4-in driver. Power handling 70 W center, 40 W surround . . . . \$160

### HTSS-1-K/H Satellite Speaker

With black or white stand . . . . \$150/pr

### CS-G404 3-Way Speaker

Bass-reflex design with 16-in woofer, 4 1/4-in cone midrange, and 2 1/2-in cone tweeter. Power handling 150 W; FR 30 Hz-20 kHz . . . . \$135

**CS-G304A.** As above, 12-in woofer. Power handling 120 W . . . . \$326/pr

**CS-G204.** As above, 10-in woofer. Power handling 100 W; FR 40 Hz-20 kHz . . . . \$175/pr

### S-CR300K/Q Center/Surround System

3-speaker system with center speaker with two 4-in full-range cones; two surround speakers, each with 4-in full-range cone; magnetic shielding for center speaker. Power handling 75 W max center, 35 W max surround; sens 86 dB center, 85 dB surround . . . . \$115

### CS-C400 Center-Channel Speaker

Two 4-in full-range drivers. Magnetic shielding. Power handling 70 W; FR 50 Hz-20 kHz; sens 90 dB; imp 8 ohms. 12 1/2 x 5 1/2 x 10 1/4 in . . . . \$90

### CS-X500-Q/K Surround Speaker

Acoustic-suspension design with 4-in full-range driver. Power handling 40 W; FR 100 Hz-20 kHz; sens 83 dB; imp 8 ohms. Oak or black finish. 5 1/2 x 7 1/2 x 5 in . . . . \$70/pr

### CS-C250II-Q/K 2-Way Center-Channel Speaker

Bass-reflex design with 6-in woofer and 2 1/2-in cone tweeter. Magnetic shielding. Power handling 70 W; FR 50 Hz-20 kHz; sens 88 dB; imp 8 ohms. Oak or black finish. 11 1/2 x 6 3/4 x 6 1/2 in . . . . \$65

## PIONEER ELECTRONICS TECHNOLOGY

### Garden Speaker Series

#### CSL-100 2-Way Outdoor Speaker

Omnidirectional design with 6 1/2-in graphite reinforced-polypropylene woofer and 3 1/2-in tweeter. DuPont Corian cabinet; overload protection circuitry; operation within temperature extremes of 13° to 150° F; resistance to weather and ultraviolet radiation; stainless-steel hardware; 12-V lighting system with 18-W lamp and 180° lighting pattern. Mountable onto wood deck, concrete, or brick surface. 12-V transformer optional. Power handling 100 W max; FR 70 Hz-20 kHz; sens 82 dB; imp 8 ohms. Gray or beige. 13 1/2 x 13 1/2 x 8 1/4 in; 33 lb . . . . \$599

**CSL-LV88T Outdoor Lighting Transformer.** Designed for use with four Pioneer Electronics Technology lighted speakers. Weather-resistant; 24-hr timer; 88 W . . . . \$55

**CSL-LV44T.** As CSL-LV88T, 44 W . . . . \$45

**CSL-1000.** Tower version of above with two 3 1/2-in tweeters. Features 360° lighting with layered lens system. Power handling 150 W max; FR 35 Hz-25 kHz; sens 86 dB. 9 1/2 x 35 1/2 x 9 1/2 in; 61 lb . . . \$1,998

#### CSL-250 Outdoor Speaker

Omnidirectional design with 6 1/2-in graphite-reinforced polypropylene driver. Dual-ported polyethylene cabinet; operation within temperature extremes of 13° to 140° F; stainless-steel hardware. Mountable onto wood deck, concrete, or brick surface; may be lowered up to 6 inches into ground.



Pioneer Electronics Technology Garden Speaker series

# Speakers

Includes stakes for ground mounting. Power handling 150 W max; FR 50 Hz-20 kHz; sens 86 dB; imp 8 ohms. Gray, beige, or green. 13 x 15½ x 9½ in; 12 lb ..... \$299  
**CSL-300.** As above, 12-V lighting system with 12-W lamp and 360° lighting pattern. 12-V transformer optional. 13 x 17¼ x 9½ in; 14 lb ..... \$369

## CSL-50E Outdoor Speaker

4½-in graphite-reinforced polypropylene driver. Non-resonant, weather-proof, air- and water-tight cabinet; operation within temperature extremes of 13° to 140° F; resistance to moisture and ultraviolet fading; stainless-steel hardware. Gold-plated 5-way blinding posts. Eave/ceiling/wall mountable. Includes mounting brackets and hardware. Power handling 150 W max; FR 75 Hz-20 kHz; sens 88 dB; imp 8 ohms. Black or white. 5-yr parts-and-labor warranty. 10¼ x 5½ x 8½ in; 5 lb ..... \$269/pr  
**CSL-70E.** 2-way version of above with ¾-in tweeter. FR 75 Hz-22 kHz. 6 lb ..... \$369/pr  
**CPL-SS36.** 36-in stainless steel ground mount stakes for models CSL-50E/70E. Provides mounting versatility; use in flower beds, and planters . . . \$45/pr

## Avio Series

The following use an acoustic-suspension design, have gold-plated binding posts, are weather resistant, and come in a charcoal or paintable-white finish. They carry a 5-year warranty.

## CSL-30 2-Way Speaker

4½-in polypropylene woofer and 1-in dome tweeter. Includes wall bracket with mounting hardware. Power handling 100 W; crossover point 4 kHz; FR 65 Hz-20 kHz; sens 89 dB; imp 8 ohms. 6½ x 10½ x 6¼ in; 5 lb ..... \$250/pr  
**CSL-30T.** As above, 4-position switch on rear for 2.5, 5, 10, and 15-W taps. 6 lb ..... \$300/pr

## CSL-90 2-Way Speaker

4½-in polypropylene woofer, 4½-in polypropylene passive radiator, and 1-in soft-dome tweeter. Base also acts as adjustable wall, ceiling, or eave mount. Power handling 120 W; crossover point 4 kHz; FR 50 Hz-20 kHz; sens 89 dB; imp 8 ohms. 6½ x 17¼ x 6¼ in; 8 lb ..... \$225

## PLATINUM AUDIO

### Air Pulse 3.1 3-Way Speaker

Two 12-in woofers, 4-in compression midrange, and 3-in ring tweeter. 360° radial-horn design. Bi-ampable terminals. Power handling 1000 W; crossover point selectable at 125 Hz, 900 Hz, or 6 kHz; FR 20 Hz-20 kHz ±2 dB; sens 103 dB; imp 16 ohms. Custom wood enclosure. 5-yr warranty. 36 x 76 x 48 in; 750 lb ..... \$150,000/pr

### Studio 2 2-Way Speaker

Tuned-port design with two 5-in polypropylene woofers and one 1-in aluminum-dome tweeter. Braced ¾-in MDF enclosure; one piece die-cast aluminum backplate. Biampable terminals. Power handling 300 W; crossover points 200 Hz and 2.5 kHz; FR 37 Hz-20 kHz ±2 dB; sens 89 dB; imp 7 ohms. Amari finish. 5-yr warranty. 8 x 21½ x 13 in; 34 lb ..... \$1,295/pr

### PT-806 2-Way Speaker

Tuned-port design with dual 7-in polypropylene woofers and one 1-in titanium-dome tweeter. Braced ¾-in MDF enclosure; magnetic shielding. Biampable terminals. Power handling 150 W; crossover points 350 Hz and 2.5 kHz; FR 42 Hz-20 kHz; sens 92 dB; imp 6 ohms. Rosewood or black finish. 5 x 23 x 12 in; 32 lb ..... \$599/pr  
**PT 808.** As above, includes spiked feet. FR 38 Hz-20 kHz. 48 lb ..... \$799/pr  
**PT-801.** As above, but with no spiked feet. Power handling 120 W; crossover point 2.5 kHz; FR 45 Hz-20 kHz; sens 90 dB; imp 8 ohms. 9 x 13 x 12 in; 22 lb ..... \$399/pr

### Studio 2 2-Way Center-Channel Speaker

Tuned-port design with two 5-in woofers and one



Platinum Audio Air Pulse 3.1

1-in aluminum-dome tweeter. Magnetic shielding; braced 1-in MDF enclosure; die-cast aluminum cabinet. Biampable terminals. Power handling 300 W; crossover points 200 Hz and 2.5 kHz; FR 37 Hz-20 kHz ±2 dB; sens 89 dB; imp 7 ohms. Amari finish with cloth-covered metal grille. 5-yr warranty. 8 x 21½ x 13 in; 34 lb ..... \$679

## RS Series

### Reference-2 2½-Way Bookshelf Speaker

Tuned-port design with two 5-in aluminum-cone woofers and 1-in aluminum-dome tweeter. One-piece die-cast aluminum back plate; 1-in polymer-alloy laminate cabinet/internal damping. Biampable terminals. Includes metal-cone feet. Power handling 300 W; crossover points 500 Hz and 2.5 kHz; FR 37 Hz-20 kHz ±2 dB; sens 86 dB; imp 4 ohms. Polished granite with black-acrylic top and bottom panels. 5-yr warranty. 8 x 21½ x 13 in; 68 lb ..... \$6,500/pr  
**Reference-1.** As above, 5-in aluminum-cone woofer. Power handling 250 W; crossover point 2.5 kHz; FR 40 Hz-20 kHz ±2 dB; sens 84 dB; imp 6 ohms. 8 x 13½ x 12 in; 43 lb ..... \$3,995/pr

## LR Series

The following use a tuned-port design with a 1-in aluminum-dome tweeter and a one-piece die-cast aluminum back plate. They have 1-in MDF enclosures and biampable terminals.

### Quattro 2½-Way Speaker

Four 5-in aluminum-cone woofers. Internal damping; biampable terminals. Includes metal-cone feet. Power handling 250 W; crossover points 500 Hz and 2.5 kHz; FR 31 Hz-20 kHz ±2 dB; sens 86 dB; imp 8 ohms. Satin rosewood or bird's-eye maple, each with black acrylic top and bottom panels. 5-yr warranty. 9½ x 39½ x 13 in; 70 lb ..... \$3,895/pr

**Trio.** As above, but with two 5-in aluminum-cone woofers. FR 34 Hz-20 kHz ±2 dB; imp 4 ohms. 65 lb ..... \$2,995/pr

**Duo.** As above, bookshelf version. Metal-cone feet optional. FR 37 Hz-20 kHz ±2 dB. 8 x 21½ x 13 in; 38 lb ..... \$2,195/pr

**Solo 2-Way Bookshelf Speaker.** As above, one 5-in aluminum-cone woofer. Power handling 200 W; crossover point 2.5 kHz; FR 40 Hz-20 kHz ±2 dB; sens 84 dB; imp 6 ohms. 8 x 13½ x 13 in; 27 lb ..... \$1,695/pr

### Duo 2½-Way Center-Channel Speaker

Two 5-in woofers. Internal damping; magnetic shielding. Power handling 250 W; crossover points 50 Hz and 2.5 kHz; FR 37 Hz-20 kHz ±2 dB; sens 86 dB; imp 4 ohms. Satin rosewood or bird's-eye maple, each with black acrylic top and bottom panels. 8 x 21½ x 13 in; 38 lb ..... \$1,299

### Solo 2-Way Center-Channel Speaker

5-in woofer. Magnetic shielding. Power handling

200 W; crossover point 2.5 kHz; FR 40 Hz-20 kHz ±2 dB; sens 84 dB; imp 6 ohms. Black. 5-yr warranty. 8 x 13½ x 13 in; 27 lb ..... \$625

## ST Series

The following use a tuned-port design with a 1-in aluminum-dome tweeter and a one-piece die-cast aluminum back plate. They have 1-in MDF enclosures and biampable terminals and carry a 5-year warranty.

### Studio-3 2½-Way Speaker

Two 5-in polypropylene-cone woofers. Includes metal-cone feet. Power handling 300 W; crossover points 200 Hz and 2.5 kHz; FR 35 Hz-20 kHz ±2 dB; sens 89 dB; imp 7 ohms. Amari finish with black goatskin top and bottom. 9½ x 39½ x 13 in; 75 lb ..... \$1,695/pr

### Studio-1 2-Way Bookshelf Speaker

5-in polypropylene-cone woofer. Power handling 150 W; crossover point 2.5 kHz; FR 50 Hz-20 kHz ±2 dB; sens 86 dB; imp 8 ohms. Amari finish with black goatskin top and bottom. 8 x 13½ x 13 in; 23 lb ..... \$995/pr  
**Studio-1.** As above, center-channel version. Magnetic shielding. Amari finish. 13½ x 8 x 13 in; 23 lb ..... \$525

## PMC

The following have Transflex loading for extended low-frequency performance, lower coloration, consistent tonal balance, and higher sound levels without distortion.

### MB1 3-Way Speaker

Transmission-line design with 12-in radial woofer, 3-in fabric-dome midrange, and 1-in dual-chamber silk soft-dome tweeter. Double-veneered MDF cabinet; high-power crossover. Includes stands for studio use. Active version optional. Power handling 800 W; crossover points 380 Hz and 3.8 kHz; FR 20 Hz-25 kHz; sens 91 dB; imp 4 ohms. Black ash, walnut, or rosewood mirrored real-wood veneer. 15 x 34¼ x 21 in; 108 lb ..... \$8,900/pr

### IB1S 3-Way Speaker

Transmission-line design with 8-in flat carbon-fiber woofer, 3-in silk-dome midrange, and 1-in silk-dome tweeter. 3 pair binding-post inputs. Magnetic shielding, studio stands, and amplifier optional. Power handling 500 W; crossover points 380 Hz and 3.8 kHz; FR 25 Hz-25 kHz; sens 89 dB; imp 4 ohms. Black textured finish. 13 x 29¼ x 13½ in; 80 lb ..... \$4,500/pr

### AB1 2-Way Speaker

Transmission-line design with 9½-in woofer with 4-in voice coil and dual-chamber fabric soft-dome tweeter. Designed for mid- and far-field applications. Double-veneered MDF cabinet. 2 pair gold-plated binding posts. Stands for studio use optional. Power handling 400 W; crossover point 2 kHz; FR 25 Hz-25 kHz; sens 89 dB; imp 6 ohms. Black ash, walnut, or rosewood mirrored real-wood veneer. 10½ x 31¼ x 17 in; 55 lb ..... \$3,420/pr

### LB1 2-Way Speaker

Transmission-line design with 4½-in woofer and 1-in dual-chamber silk soft-dome tweeter. Non-resonant double-veneered cabinet. Power handling 300 W; crossover point 2.5 kHz; FR 35 Hz-25 kHz; sens 87 dB; imp 4 ohms. Black ash, walnut, or rosewood. 8 x 16 x 10 in; 19 lb ..... \$2,160/pr

### XB1 Subwoofer

Transmission-line design with die-cast 10-in dual-voice-coil driver. ¾-in-thick MDF construction. 4 pair binding posts; banana plugs. Power handling 200 W; crossover point 100 Hz; FR 25-200 Hz; sens 90 dB; imp 8 ohms. Textured black finish. 17 x 31¼ x 10½ in; 62 lb ..... \$1,250

### TB1 2-Way Speaker

Acoustic-suspension design with 7-in magnesium-

# Speakers

alloy woofer and 1-in aluminum-alloy phase-shielded ferrofluid-cooled tweeter. Nonresonant double-veneered cabinet. Power handling 150 W; crossover point 3 kHz; FR 40 Hz-25 kHz; sens 90 dB; imp 8 ohms. Black ash or walnut. 7¼ x 21¼ x 10¼ in; 19 lb .....\$1,025/pr

## POLK AUDIO

### Signature Reference Theater Home Theater System

7-speaker system with two bass-reflex powered subwoofers, each with two 10-in composite-polymer drivers and 300-W amp; two acoustic-suspension front and one center-channel speakers, each with four 5¼-in composite-polymer drivers and one 1-in trilaminate-dome tweeter; two LSI/x surround speakers with two 4½-in woofers and two 1-in tweeters. Magnetic shielding. Control center provides subwoofer crossover, phase, and level adjustments. FR 16-90 Hz subwoofer, 65 Hz-26 kHz front and center channel; sens 87 dB; imp 8 ohms. Ash with black-lacquer finish. Subwoofer: 14 x 31½ x 22¼ in. Front: 12 x 28 x 18 in. Center: 26½ x 17½ x 6 in. Control center: 16½ x 2½ x 9¼ in .....\$8,999

### RT Series

#### RT 5000p Home Theater System

5-piece system featuring two RT 3000p front speakers, CS 1000p center speaker, and two F/X 1000 surround speakers. Rosewood finish wood veneer. 5-yr speakers, 3-yr amp warranty .....\$6,000

#### RT 3000p 2-Way Speaker/Powered Subwoofer

Bass-reflex design with built-in powered subwoofer with two 8-in drivers and 300-W amp; 2-piece floor-standing tower with two 6½-in woofers and one 1-in trilaminate-dome tweeter. Line- and speaker-level inputs; gold-plated biampable 5-way binding posts for tower; line-level subwoofer outputs. Variable frequency control; phase-control switch; front volume control; movies/music switch. Includes adjustable feet and floor spikes for angling enclosure up or down. Crossover point selectable at 80 Hz, 1.2 kHz, or 2 kHz; FR 18 Hz-26 kHz; sens 120 dB; imp 8 ohms. Black oak or rosewood veneer. 5-yr speakers, 3-yr amp warranty. Cabinet: 10 x 50 x 17 in; Base: 11 x 18½ in. 76 lb total .....\$1,800

#### RT 2000p 3-Way Speaker/Powered Subwoofer

Bass-reflex powered subwoofer section with two 8-in drivers and 100-W amp; acoustic-suspension speaker section with 6½-in woofer and 1-in trilaminate-dome tweeter. Magnetic shielding; 100% MDF construction. Line-level inputs; speaker-level inputs and outputs; biampable terminals. Volume control; auto-on switch. Crossover points 80 Hz and 1.8 kHz; FR 20 Hz-26 kHz; sens 90 dB; imp 8 ohms. Rosewood veneer. 5-yr speaker, 3-yr amp warranty. Cabinet: 9½ x 45½ x 16 in. Base: 11 x 18½ in. 85 lb total .....\$1,100/pr  
As above, black woodgrain finish .....\$950  
**RT 1000p.** As above, one 6½-in driver and 80-W amp. Cabinet: 8½ x 42½ x 13 in. Base: 9¼ x 14 in. 63 lb total .....\$660  
As above, black woodgrain finish .....\$560

#### RT 800 2-Way Speaker

Bass-reflex design with two 6½-in woofers and one 1-in trilaminate-dome tweeter. Magnetic shielding. Biampable terminals. Power handling 250 W max; crossover point 1.9 kHz; FR 28 Hz-26 kHz; sens 90 dB; imp 8 ohms. Black woodgrain. 5-yr warranty. Cabinet: 8 x 40¼ x 10½ in. Base: 9¼ x 14 in. 48 lb total .....\$450

**RT 600.** As above, one 6½-in woofer. Power handling 150 W max; FR 30 Hz-26 kHz. Cabinet: 8 x 34¼ x 10½ in. Base: 9¼ x 14 in. 41 lb total .....\$340

#### RT 55 2-Way Bookshelf Speaker

Bass-reflex design with two 6½-in woofers and one 1-in trilaminate-dome tweeter; both dynamically balanced and magnetically shielded. Power port and ARC technologies; anti-diffraction bezel and grille; MDF construction. 2 sets of gold-plated

biampable binding posts. Power handling 20-200 W; crossover point 2 kHz; FR 35 Hz-26 kHz; sens 91 dB; imp 8 ohms. Black ash. 5-yr warranty. 9½ x 21¼ x 14¼ in; 35 lb .....\$300

#### RT 400 2-Way Speaker

Bass-reflex design with 7½-in woofer and 1-in soft-dome tweeter. Magnetic shielding. Power handling 150 W max; crossover point 3.5 kHz; FR 40 Hz-25 kHz; sens 89 dB; imp 8 ohms. Video gray. 5-yr warranty. 9 x 36½ x 10¼ in; 35 lb .....\$230

#### RT 35 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in woofer and 1-in soft-dome tweeter. Power port and ARC technologies; anti-diffraction bezel and grille; MDF construction. 5-way blndng posts. Includes built-in wall mounting bracket. Power handling 20-125 W; crossover point 2 kHz; FR 39 Hz-25 kHz; sens 90 dB; imp 8 ohms. Black ash. 5-yr warranty. 8¼ x 15 x 12 in; 20 lb .....\$195

**RT 25.** As above, 5¼-in woofer. Power handling 20-100 W; FR 50 Hz-25 kHz; sens 89 dB. 6½ x 11¼ x 10¼ in; 14 lb .....\$140

**RT 15.** As above, crossover point 3.5 kHz; FR 55 Hz-24 kHz; sens 88 dB. Black ash or white. 6½ x 11¼ x 8 in; 12 lb .....\$110

### RM Series

#### RM 7300 Home Theater System

6-speaker system with powered subwoofer with one 10-in driver and 125-W amp; 4 satellites, each with 3½-in midrange and ½-in dome tweeter; center-channel speaker with two 3½-in midranges and ½-in dome tweeter. FR 19 Hz-22 kHz system; sens 89 dB; imp 8 ohms. Black or white finish .....\$1,599

#### RM 5400 Subwoofer/Satellite System

6-speaker system with woofer with 8-in driver and 100-W amp; two front speakers, each with 3½-in midrange and ½-in dome tweeter; center-channel speaker with two 3½-in drivers and ½-in tweeter; two surround speakers, each with two 4½-in drivers and one ½-in tweeter. Magnetic shielding on front and center speakers. Line-level inputs; speaker-level inputs and outputs. Volume control; auto-on switch. Power handling 125 W front and center, 100 W surround; FR 30 Hz-22 kHz system; sens 89 dB; imp 8 ohms. Satellite black or white; subwoofer black only. 5-yr speakers, 3-yr amp warranty. Front: 4¼ x 7 x 5½ in. Center: 11¼ x 4¼ x 5¼ in. Surround: 6½ x 10¼ x 7 in. Subwoofer: 10½ x 14¼ x 19½ in .....\$1,099

#### RM 3300 Subwoofer/Satellite System

3-speaker system with powered subwoofer with 8-in driver and 100-W amp; two satellites, each with 3½-in midrange and ½-in dome tweeter. Power handling 125 W; FR 30 Hz-22 kHz system; sens 89 dB; imp 8 ohms. Black or white finish. Satellite: 7 x 4¼ x 5½. Subwoofer: 14¼ x 10¼ x 19¼. 40 lb total .....\$799

#### RM 2000II 2-Way Satellite Speaker

3½-in driver and ½-in driver. Magnetic shielding. Power handling 125 W; FR 150 Hz-22 kHz; sens 89 dB; imp 8 ohms. Black or white finish. 7 x 4¼ x 5½ in; 10 lb .....\$499/pr

#### RM 2500 2-Way Center-Channel Speaker

Two 3½-in drivers and one ½-in tweeter. Magnetic shielding. Power handling 125 W; FR 125 Hz-22 kHz; sens 89 dB; imp 8 ohms. Black or white finish. 4¼ x 11¼ x 5¼ in; 11 lb .....\$299

### CS Series

#### CS 1000P Subwoofer/Center-Channel System

3-piece system with 100-W powered subwoofer with two 6½-in drivers; center speaker with two 6½-in woofers and one 1-in trilaminate-dome tweeter. Dynamic balance drivers; anti-diffraction bezel and grille; MDF construction; magnetic shielding. 5-way binding posts; line-input for subwoofer. Subwoofer-level control. Power handling 20-250 W; crossover point selectable at 150 Hz, 800 Hz, or 2 kHz; FR 30 Hz-26 kHz center; sens 92 dB; imp 8 ohms. Black or rosewood finish; wood

veneer. 5-yr speaker, 3-yr amp warranty. 34 x 8½ x 14 in; 60 lb .....\$1,200

#### CS-400 2-Way Center-Channel Speaker

Bass-reflex design with two 6½-in woofers and one 1-in trilaminate-dome tweeter in cascaded driver array. Anti-diffraction bezel and grille; Powerport, ARC, and Dynamic Balance technologies; MDF construction; magnetic shielding. 2 sets gold-plated biampable 5-way binding posts. Power handling 10-250 W; crossover points 800 Hz and 1.5 kHz; FR 40 Hz-26 kHz; sens 91 dB; imp 8 ohms. Black. 5-yr warranty. 18¼ x 8¼ x 12¼ in; 32 lb .....\$450

**CS 300.** As above, two 5¼-in woofers. Anti-diffraction grille. 1 set 5-way binding posts. Power handling 10-200 W; crossover point selectable at 800 Hz, 2 Hz, or 2.5 kHz; FR 50 Hz-26 kHz; sens 90 dB. 16¼ x 7 x 9¼ in; 23 lb .....\$330

**CS 245.** As above, 1-in soft-dome tweeter. Dynamic Balance technology. Power handling 10-180 W; crossover point selectable at 900 Hz, 2 kHz, or 2.5 kHz; FR 52 Hz-25 kHz. 16¼ x 6½ x 9¼ in; 22 lb .....\$220

#### CS 175 2-Way Center-Channel Speaker

Bass-reflex design with 5¼-in woofer and ¾-in soft-dome tweeter. Anti-diffraction grille; Dynamic Balance technology; MDF construction; magnetic shielding. 5-way binding posts. Power handling 10-100 W; crossover point 2.5 kHz; FR 55 Hz-22 kHz; sens 89 dB; imp 8 ohms. Black. 5-yr warranty. 16¼ x 6½ x 8 in; 18 lb .....\$170

### Surround Speaker Series

#### F/X 1000 2-Way Surround Speaker

Acoustic-suspension design with two 6½-in woofers and two 1-in trilaminate-dome tweeters. Anti-diffraction bezel and grille; Dynamic Balance Technology; MDF construction. 5-way blndng posts. Dipole/bipole selector switch. Includes wall-mount bracket. Power handling 20-250 W; FR 40 Hz-26 kHz; sens 90 dB; imp 8 ohms. Black or rosewood finish wood veneer. 5-yr warranty. 11¼ x 19¼ x 9¼ in; 23 lb .....\$1,200/pr  
**F/X 500.** As above, power handling 10-150 W. 9¼ x 15¼ x 9¼ in .....\$550/pr

#### RT 1/x 2-Way Bipolar/Dipolar Surround Speaker

Switchable bipolar/dipolar design with one 5¼-in woofer and two 1-in trilaminate-dome tweeters. Power handling 100 W; FR 40 Hz-25 kHz; sens 89 dB; imp 8 ohms. Black or white finish. 10 x 8½ x 6¼ in; 17 lb .....\$449/pr

### PSW Powered Subwoofers

#### PSW 150 Powered Subwoofer

10-in driver; 200-W amp. Line- and speaker-level inputs; speaker-level outputs. Phase control; auto on/off. Crossover point variable from 50-150 Hz; FR 20-150 Hz. Black finish. 18 x 12¼ x 20 in; 48 lb .....\$649

#### PSW 140 Powered Subwoofer

Dual-ported bass-reflex design with down-firing direct-radiating 10-in driver; 180-W amp. MDF construction; auto-mute circuitry. Line- and speaker-level inputs; speaker-level outputs. Phase switch; volume control. Crossover point variable from 60-160 Hz; FR 30-180 Hz. Video gray. 5-yr speaker, 3-yr amp warranty. 11¼ x 15¼ x 18 in .....\$500

#### PSW 120 Powered Subwoofer

Bass-reflex design with 8-in driver; 90-W amp. Line-level inputs; speaker-level inputs and outputs. Volume control; variable frequency control; switchable phase; auto on switch. FR 35-150 Hz. Video gray. 5-yr speaker, 3-yr amp warranty. 9¼ x 13¼ x 19 in .....\$339

### AB Series

*The following have a paintable white finish.*

#### AB 855 2-Way In-Wall Speaker

Infinite-baffle design with two 6½-in woofers and one 1-in trilaminate-dome tweeter. Dynamic Bal-

# Speakers

ance technology. 5-way binding posts. Power handling 20-150 W; crossover point 3 kHz; FR 30 Hz-26 kHz; sens 89 dB; imp 8 ohms. 5-yr warranty. Rectangular frame. Mounting area: 16 $\frac{1}{2}$  x 7 $\frac{1}{2}$  in. Mounting depth 3 $\frac{1}{2}$  in . . . \$570/pr  
**AB 755.** As above, one 6 $\frac{1}{2}$ -in woofer. Power handling 20-100 W; FR 32 Hz-26 kHz. Mounting area: 11 x 7 $\frac{1}{2}$  in . . . \$400/pr  
**AB 555.** As above, 5 $\frac{1}{4}$ -in woofer and 1 $\frac{1}{2}$ -in soft-dome tweeter. FR 67 Hz-20 kHz. Mounting area: 10 x 6 $\frac{1}{4}$  in . . . \$270/pr

## AB 610a 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in composite-polymer woofer and 1 $\frac{1}{2}$ -in dome tweeter. Power handling 100 W; FR 40 Hz-20 kHz; sens 90 dB; imp 8 ohms. Mounting diameter 7 $\frac{1}{4}$  in . . . \$269/pr

## AB 410a In-Wall Speaker

4 $\frac{1}{2}$ -in polymer-laminate full-range driver. Power handling 75 W; FR 60 Hz-17.5 kHz; sens 87 dB; imp 8 ohms. Mounting diameter 7 $\frac{1}{4}$  in . . . \$159/pr

## Multi-Application Series

### M5 2-Way Speaker

6 $\frac{1}{2}$ -in composite-polymer woofer and 1-in dome tweeter. Includes mounting bracket. Power handling 125 W; FR 32 Hz-25 kHz; sens 91 dB; imp 8 ohms. Black or white finish. 13 $\frac{1}{4}$  x 8 $\frac{1}{4}$  x 9 in; 10 lb . . . \$199  
**AWM5 All-Weather.** All-weather version of M5. White finish . . . \$249

### AWM2 2-Way Outdoor Speaker

4 $\frac{1}{2}$ -in woofer and 1 $\frac{1}{2}$ -in dome tweeter. Power handling 100 W; FR 70 Hz-22 kHz; sens 89 dB; imp 8 ohms. White finish. 10 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 7 in; 4 lb . . . \$109

### M3 II 2-Way Speaker

5 $\frac{1}{4}$ -in composite-polymer woofer and 1 $\frac{1}{2}$ -in dome tweeter. Power handling 100 W; FR 60 Hz-22 kHz; sens 89 dB; imp 8 ohms. Black or white finish. 11 $\frac{1}{4}$  x 6 $\frac{1}{4}$  x 8 $\frac{1}{4}$  in; 7 lb . . . \$109

### M1 Speaker

4-in full-range driver. Power handling 75 W; FR 75 Hz-18 kHz; sens 89 dB; imp 8 ohms. Black or white finish. 10 $\frac{1}{4}$  x 6 $\frac{1}{2}$  x 7 in; 4 lb . . . \$70

## POSH

The following have Posh's patented injection-molded polystyrene baffle plate and an acoustic-chamber design with a customizable trim ring/grille assembly in an 11-inch round or square frame.

### Model 928 2-Way Ceiling Speaker

Coaxial acoustic-suspension design with 8-in mica-injected polypropylene woofer and 1-in soft-dome tweeter. Power handling 150 W max; FR 35 Hz-20 kHz  $\pm$ 3 dB; sens 90 dB; imp 8 ohms . . . \$1,050/pr

### In-Wall 9 2-Way In-Wall/Ceiling Speaker

Coaxial infinite-baffle design with 8-in mica-injected polypropylene woofer and 1-in soft-dome tweeter. Designed for new-construction applications. Available with baffled plate modified for retrofit at same price (Retro 9). Power handling 150 W max; FR 45 Hz-20 kHz  $\pm$ 3 dB; sens 90 dB; imp 8 ohms. 18 x 18 x 1 in . . . \$899/pr  
**In-Wall 5.** As above, 8-in doped-paper woofer, 3 $\frac{1}{4}$ -in ferrofluid-cooled polymer-dome tweeter. Power handling 100 W max; FR 60 Hz-20 kHz  $\pm$ 3 dB. 18 x 10 x 1 in . . . \$550/pr  
**Retro 5.** As In-Wall 5, baffled plate modified for retrofit. 9 $\frac{1}{2}$  x 13 $\frac{1}{2}$  x 1 in . . . \$550/pr

### Model 528 2-Way Ceiling Speaker

Coaxial design with 8-in felted-paper woofer and 3 $\frac{1}{4}$ -in ferrofluid-cooled horn-loaded polymer-dome tweeter. Loudness compensation with 4-dB boost at 100 Hz and 10 kHz. Power handling 100 W max; FR 47 Hz-22 kHz  $\pm$ 3 dB; imp 8 ohms. 18 x 18 x 1 $\frac{1}{4}$  in . . . \$725/pr

### Model 835-SX Ceiling Subwoofer

Bass-reflex design with 8-in polypropylene dual-

voice-coil driver. Passive crossover network combination of 2nd-order Linkwitz-Riley low-pass filter with 1st-order impedance-compensated high-pass filter for satellite speakers; 2 identical crossovers for dual-mono design. Crossover installable at speaker or amp. Power handling 150 W max; FR 35-120 Hz  $\pm$ 3 dB; sens 90 dB; imp 4 ohms. 18 x 18 x 1 $\frac{1}{4}$  in . . . \$640  
**Model 835-S.** As above, no crossover . . . \$480

### Model 835-MX Ceiling Subwoofer

Bass-reflex design with 8-in long-throw polypropylene driver. Passive crossover network combining 2nd-order Linkwitz-Riley low-pass filter with 1st order impedance-compensated high-pass filter. Power handling 150 W max; FR 35-120 Hz  $\pm$ 3 dB; sens 90 dB; imp 4 ohms. 18 x 18 x 1 $\frac{1}{4}$  in . . . \$520  
**Model 835-M.** As above, no crossover . . . \$440

### Model M-2 2-Way Bookshelf Speaker

Tuned-port design with 5 $\frac{1}{4}$ -in doped-paper-cone woofer with rubber surround and Kapton voice coil and 1-in sealed ferrofluid-cooled polyamide-dome tweeter. Power handling 100 W; FR 50 Hz-20 kHz  $\pm$ 3 dB; imp 4 ohms. White or black finish . . . \$349/pr

### Model P-2 2-Way Speaker

Acoustic-suspension design with 5 $\frac{1}{4}$ -in doped-paper cone woofer with rubber butyl surround and Kapton former voice-coil; 1-in sealed-back ferrofluid-cooled soft-dome tweeter. Injection molded; trapezoidal shape; ABS plastic enclosure. Weather-resistant. Includes mounting brackets. Power handling 70 W cont; FR 60 Hz-20 kHz  $\pm$ 3 dB. Black or white. 8 $\frac{1}{4}$  x 11 x 7 $\frac{1}{2}$  in . . . \$299/pr

### Model SW-10 Musical Subwoofer

10-in doped-paper-cone driver with polypropylene-butyl surround and 1 $\frac{1}{2}$ -in flat-wound aluminum voice coil. First-order low pass. FR 30-120 Hz  $\pm$ 3 dB; imp 8 ohms . . . \$239

### Model P-1 2-Way Bookshelf Speaker

Acoustic-suspension design with 4-in woofer with butyl-rubber surround and 3 $\frac{1}{4}$ -in sealed soft-dome tweeter. Power handling 70 W; FR 80 Hz-18 kHz  $\pm$ 3 dB; imp 8 ohms. Black or white . . . \$189/pr

## PROAC

The following, except Response CC1, are available in cherry, mahogany, or black ash finish.

### Studio 150 2-Way Speaker

Two 5-in magnesium-frame drivers and one 3 $\frac{1}{4}$ -in soft-dome tweeter. FR 35 Hz-30 kHz; sens 89 dB; imp 8 ohms. 7 $\frac{1}{2}$  x 38 $\frac{1}{2}$  x 10 in; 50 lb . . . \$2,300/pr

### Studio 100 2-Way Bookshelf Speaker

6 $\frac{1}{2}$ -in woofer and 1-in fabric soft-dome tweeter. FR 40 Hz-30 kHz; sens 88 dB; imp 8 ohms. 8 x 16 x 10 in; 27 lb . . . \$1,400/pr

### Tablette 50 2-Way Bookshelf Speaker

5-in woofer and 3 $\frac{1}{4}$ -in soft-dome tweeter. FR 40 Hz-20 kHz; sens 90 dB; imp 8 ohms. 6 $\frac{1}{2}$  x 11 x 9 in; 13 lb . . . \$975/pr

### Response CC1 2-Way Center-Channel Speaker

Two 5-in carbon-filled polypropylene woofers and one 3 $\frac{1}{4}$ -in fabric soft-dome tweeter. Acoustically transparent crlplene grille; magnetic shielding. FR 70Hz-20 kHz  $\pm$ 3 dB; sens 89 dB; imp 8 ohms. Black. 7 x 17 $\frac{1}{2}$  x 7 $\frac{1}{2}$  in; 22 lb . . . \$900

### Tablette 50 Signature 2-Way Bookshelf Speaker

Rear-vented bass-reflex design with 5-in die-cast polycarbonate-cone woofer and 3 $\frac{1}{4}$ -in ferrofluid-cooled soft-dome honeycomb tweeter. Copper-magnet woofer assembly with copper-phase plug; Multistrand OFC wiring throughout. Power handling 20-150 W; FR 35 Hz-30 kHz; sens 89 dB; imp 8 ohms. Ebony, Burr oak, or bird's eye maple. 6 $\frac{1}{2}$  x 11 x 9 in . . . \$700/pr

## PROFESSIONAL TECHNOLOGIES

The following use a bass-reflex design and have an oak-veneer finish.

### PT-8341 3-Way Speaker

Polypropylene doped TPX-cone 8-in woofer and 4-in midrange; 1-in dome tweeter. Proprietary time-aligned crossover; heavy-duty bracing; trilaminate MDF cabinet. Power handling 200 W; FR 37 Hz-20 kHz  $\pm$ 3 dB; sens 90 dB; imp 8 ohms. 13 $\frac{1}{2}$  x 27 $\frac{1}{2}$  x 12 in . . . \$2,300/pr

### PT-821 2-Way Speaker

8-in carbon-fiber woofer and 1 $\frac{1}{4}$ -in dome tweeter. Heavy-duty bracing; trilaminate MDF cabinet. Power handling 500 W; FR 31 Hz-20 kHz  $\pm$ 3 dB; sens 91 dB; imp 8 ohms. 10 $\frac{1}{2}$  x 35 $\frac{1}{2}$  x 13 $\frac{1}{2}$  in . . . \$1,700/pr

### PT-652D 2-Way Speaker

Two 6 $\frac{1}{2}$ -in woofers and one 1 $\frac{1}{4}$ -in tweeter. D'Appolito configuration. Power handling 500 W; crossover point 2.5 kHz; FR 40 Hz-20 kHz; sens 93 dB; imp 4 ohms. 9 x 24 x 13 $\frac{1}{2}$  in . . . \$1,500/pr

### PT-6521 2-Way Bookshelf Speaker

6 $\frac{1}{2}$ -in woofer and 1-in dome tweeter. Power handling 120 W; FR 45 Hz-20 kHz  $\pm$ 3 dB; sens 89 dB; imp 8 ohms. 13 $\frac{1}{2}$  x 17 $\frac{1}{4}$  x 12 in . . . \$999/pr

## Modular Series

### Modula 12 7-Way Hybrid Ribbon Speaker

12-in woofer, 5 $\frac{1}{4}$ -in midrange, 4 $\frac{1}{2}$ -in midrange, 3-in dome midrange, 1 $\frac{1}{4}$ -in cloth-dome tweeter, 1-in metal-dome tweeter, standard ribbon tweeter. Power handling 150 W rms; FR 37 Hz-1.8 kHz; sens 88 dB; imp 8 ohms. 9 x 30 x 13 $\frac{1}{2}$  in . . . \$399

**Modula 10.** As above, 10-in driver. FR 43 Hz-2.5 kHz. 9 x 23 x 13 $\frac{1}{2}$  in . . . \$379

**Modula 8.** As above, 8-in driver. FR 32 Hz-3.5 kHz. 9 x 18 x 13 $\frac{1}{2}$  in . . . \$369

**Modula 6.5.** As above, 6 $\frac{1}{2}$ -in driver. Power handling 75 W rms; FR 47 Hz-3.5 kHz. 9 x 11 x 13 $\frac{1}{2}$  in . . . \$359

## PSB

### Stratus Goldi 3-Way Speaker

Bass-reflex design with 10-in woofer, 6-in midrange, and 1-in aluminum-dome tweeter. Power handling 250 W; FR 31 Hz-21 kHz  $\pm$ 3 dB; sens 90 dB; imp 4 ohms. High-gloss black finish. 12 $\frac{1}{4}$  x 43 $\frac{1}{4}$  x 16 $\frac{1}{4}$  in; 90 lb . . . \$2,849/pr  
 Black ash or dark cherry veneer . . . \$2,549/pr

### Stratus Silver 2-Way Speaker

Bass-reflex design with two 6 $\frac{1}{2}$ -in woofers and one 1-in aluminum-dome tweeter. Power handling 200 W; crossover points 500 Hz and 2.1 kHz; FR 35 Hz-21 kHz  $\pm$ 3 dB; sens 91 dB; imp 4 ohms. High-gloss black finish. 9 $\frac{1}{2}$  x 38 $\frac{1}{2}$  x 13 $\frac{1}{2}$  in; 47 lb . . . \$1,899/pr  
 Black ash or dark cherry veneer . . . \$1,699/pr

### Stratus SubSonic 4 Powered Subwoofer

Acoustic-suspension design with 15-in polypropylene-coated fiber-cone woofer with foam surround; 350-W amp. Speaker- and line-level inputs. Variable DSP control. Includes remote control, spikes, and levelers. FR 20-120 Hz  $\pm$ 3 dB; sens 97 dB. High-gloss black finish. 19 $\frac{1}{4}$  x 19 $\frac{1}{2}$  x 22 in; 85 lb . . . \$1,499  
 As above, black ash finish . . . \$1,299

### Century 1000i 2-Way Speaker

Bass-reflex design with two 6 $\frac{1}{2}$ -in woofers and one 1-in dome tweeter. Power handling 150 W; crossover points 500 Hz and 2 kHz; FR 40 Hz-21 kHz  $\pm$ 3 dB; sens 92 dB; imp 4 ohms. Gloss-black finish. 9 x 36 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 39 lb . . . \$1,199/pr  
 Black ash or dark cherry finish . . . \$999/pr

### Stratus Mini 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in woofer and 3 $\frac{1}{4}$ -in aluminum-dome tweeter. Power handling 150 W; crossover point 2.2 kHz; FR 50 Hz-21 kHz  $\pm$ 3 dB; sens 88 dB; imp 4 ohms. High-gloss black finish. 8 $\frac{3}{4}$  x 15 $\frac{1}{2}$  x 13 $\frac{1}{2}$  in; 23 lb . . . \$1,149/pr  
 Black ash or dark cherry veneer . . . \$1,049/pr

# Speakers

## Stratus Bronze 2-Way Speaker

Bass-reflex design with two 6½-in felt-cone woofers with rubber surrounds and one 1-in ferrofluid-cooled aluminum-dome tweeter. MDF cabinet construction with multiple bracing. Dual gold-plated 5-way binding posts. Includes adjustable spikes and padded feet. Power handling 150 W; crossover points 500 Hz and 2.0 kHz; FR 40 Hz-21 kHz; sens 92 dB; imp 4 ohms. Black ash or dark cherry laminate. 9 x 36¼ x 12¼ in; 39 lb .....\$1,099/pr

## Stratus SubSonic 3i Powered Subwoofer

Acoustic-suspension design with 15-in polypropylene-coated fiber-cone woofer; 350-W amp. Speaker- and line-level inputs. Volume control; phase switch; LED power indicator. Includes feet. FR 24-150 Hz ±3 dB; sens 97 dB. High-gloss-black finish. 17½ x 19¼ x 17½ in; 54 lb .....\$999  
As above, black rough-cast finish .....\$899

## Century 800i 2-Way Speaker

Bass-reflex design with two 8-in woofers and one 1-in dome tweeter. Power handling 150 W; crossover point 2 kHz; FR 42 Hz-21 kHz ±3 dB; sens 92 dB; imp 8 ohms. Black ash or dark cherry finish. 10 x 35¼ x 13½ in; 42 lb .....\$799/pr

## Stratus C6 2-Way Center-Channel Speaker

Bass-reflex design with two 6½-in woofers and two 1-in dome tweeters. Magnetic shielding. Power handling 200 W; crossover point 2 kHz; FR 58 Hz-21 kHz ±3 dB; sens 93 dB; imp 8 ohms. High-gloss black finish. 23¼ x 8 x 11¼ in; 30 lb .....\$770  
Black ash veneer .....\$700

## Century SubSonic 2i Powered Subwoofer

Bass-reflex design with 12-in polypropylene-coated fiber-cone woofer; 130-W amp. Speaker- and line-level inputs. Volume control; phase switch; LED power indicator. Includes feet. FR 25-150 Hz; sens 94 dB. Ebony ash laminate finish. 14½ x 19¼ x 14¼ in; 40 lb .....\$649

## Century 600i 2-Way Speaker

Bass-reflex design with two 6½-in woofers and one 1-in dome tweeter. Power handling 125 W; crossover point 2.2 kHz; FR 43 Hz-21 kHz ±3 dB; sens 91 dB; imp 8 ohms. Black ash or dark cherry finish. 8½ x 31 x 13½ in; 34 lb .....\$599/pr

## Stratus C5 2-Way Center-Channel Speaker

Bass-reflex design with two 5¼-in woofers and two ½-in dome tweeters. Magnetic shielding. Power handling 150 W; crossover point 2 kHz; FR 66 Hz-21 kHz ±3 dB; sens 92 dB; imp 8 ohms. High-gloss black finish. 19½ x 6¼ x 9¼ in; 22 lb .....\$549  
Black ash veneer .....\$499

## Century 500i 2-Way Speaker

Bass-reflex design with 8-in woofer and ¾-in dome tweeter. Power handling 100 W; crossover point 2.2 kHz; FR 45 Hz-21 kHz ±3 dB; sens 92 dB; imp 6 ohms. Black ash or dark cherry finish. 10 x 23¼ x 11½ in; 26 lb .....\$499/pr

## Ambient II 2-Way Dipolar Surround Speaker

Quasi-dipolar design with two 5¼-in woofers and two ½-in dome tweeters. Power handling 80 W; FR 75 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black oak or white finish. 11 x 11 x 8 in; 10 lb .....\$449/pr

## Alpha Subsonic 1 Powered Subwoofer

Bass-reflex design with 10-in woofer; amp rated at 65 W rms. Adjustable level and roll-off controls. FR 28-150 Hz; sens 93 dB. Black rough-cast finish. 14½ x 11¼ x 14¼ in; 26 lb .....\$439

## Century 400i 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in woofer and ¾-in dome tweeter. Power handling 80 W; crossover point 2.5 kHz; FR 55 Hz-21 kHz ±3 dB; sens 89 dB; imp 6 ohms. Black ash or dark cherry finish. 8½ x 16 x 11½ in; 17 lb .....\$399/pr

## Ambient I 2-Way Dipolar Surround Speaker

Quasi-dipolar design with two 4½-in woofers and

two ½-in dome tweeters. Power handling 75 W; crossover point 3 kHz; FR 80 Hz-21 kHz; null at 90°; sens 90 dB; imp 8 ohms. Black oak or white finish. 8¼ x 8¼ x 6¼ in; 6 lb .....\$349/pr

## Century 200Ci 2-Way Center-Channel Speaker

Bass-reflex design with two 5¼-in woofers and one ½-in dome tweeter. Magnetic shielding. Power handling 120 W; crossover point 2.8 kHz; FR 68 Hz-21 kHz ±3 dB; sens 92 dB; imp 8 ohms. Ebony ash finish. 19¼ x 6¼ x 10 in; 18 lb .....\$299

## Century 300i 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in woofer and ¾-in dome tweeter. Power handling 60 W; crossover point 3 kHz; FR 70 Hz-21 kHz ±3 dB; sens 91 dB; imp 6 ohms. Black ash or dark cherry finish. 8½ x 14¼ x 9½ in; 15 lb .....\$299/pr

## Alpha A/V 2-Way Speaker

Bass-reflex design with 6½-in woofer and ½-in ferrofluid-cooled polypropylene flare-dome tweeter. Magnetic shielding. Power handling 60 W; crossover point 3 kHz; FR 68 Hz-21 kHz ±3 dB; sens 92 dB; imp 6 ohms. Black rough-cast, ebony-ash, or dark-cherry finish. 7¼ x 12¼ x 9¼ in; 11 lb .....\$249/pr  
**Alpha Mini.** As above, 5¼-in woofer. Crossover point 3.5 kHz; sens 91 dB. 6½ x 10¼ x 9¼ in; 9 lb .....\$199/pr  
**Alpha Mite.** As above, 4½-in woofer. FR 72 Hz-21 kHz ±3 dB; sens 90 dB. 5¼ x 9¼ x 8½ in; 7 lb .....\$169/pr  
Mounting brackets for the AV, Mini, or Mite .....\$33

## Century 100Ci 2-Way Center-Channel Speaker

Bass-reflex design with two 4½-in woofers and ½-in dome tweeter. Magnetic shielding. Power handling 80 W; crossover point 3 kHz; FR 78 Hz-21 kHz ±3 dB; sens 93 dB; imp 6 ohms. Ebony-ash finish. 17 x 6 x 8 in; 13 lb .....\$199

## Alpha Mldi 2-Way Center-Channel Speaker

Bass-reflex design with 5¼-in polypropylene-coated fiber-cone woofer with rubber surround and ½-in ferrofluid-cooled polypropylene flare-dome tweeter. Magnetic shielding. Power handling 60 W; FR 68 Hz-21 kHz ±3 dB; sens 92 dB; imp 6 ohms. Black rough-cast finish. 6½ x 10¼ x 9¼ in; 9 lb .....\$119

## QUADRATURE

The following have an external digital signal processor that provides amplitude and phase correction specific to each model. Rosewood finish.

## DSP 3a 3-Way Speaker

Bass-reflex design with six 6-in pulp-cone woofers, four 5-in polypropylene-cone midranges, and six 1-in polypropylene-dome tweeters. FR 20 Hz-22 kHz ±2 dB; sens 91 dB; imp 8 ohms. 13 x 76 x 19 in; 240 lb .....\$18,500/pr

## DSP 4a 3-Way Speaker

Bass-reflex design with two 8-in pulp-cone woofers, two 5-in polypropylene-cone midranges, and four 1-in polypropylene-dome tweeters. FR 23 Hz-21 kHz ±2 dB; sens 89 dB; imp 6 ohms. 13 x 58 x 16 in; 181 lb .....\$12,975/pr

## DSP 5a 3-Way Speaker

10-in pulp-cone woofer, 5-in polymer-cone midrange, and 1-in fabric-dome tweeter. FR 33 Hz-20 kHz ±2 dB; sens 88 dB; imp 8 ohms. 13 x 48 x 15½ in; 106 lb .....\$8,990/pr

## QUANTA TECHNOLOGIES

The following are available in kit form. Contact the manufacturer for information.

## Baby Pyramid MkIII 2-Way Bookshelf Speaker

4th-order vented design with 5¼-in poly laminated carbon-fiber woofer and 1½-in ferrofluid-cooled textile-dome tweeter. 6-dB/oct crossover. Crossover point 2 kHz; FR 50 Hz-20 kHz ±3 dB; sens 89 dB; imp 8 ohms. 10¼ x 15¼ x 11½ in .....\$5,500/pr

## Model VII Series II 2-Way Speaker

4th-order vented hybrid-line design with 8¼-in laminated-polypropylene woofer and 1½-in ferrofluid-cooled textile-dome tweeter. 6-dB/oct crossover. Crossover point 2 kHz; FR 29 Hz-20 kHz ±3 dB; sens 92 dB; imp 8 ohms. 11¼ x 34¼ x 12½ in .....\$3,500/pr

## B Subwoofer

4th-order vented design with 10¼-in poly laminated driver. FR 25 Hz-20 kHz ±3 dB; sens 92 dB; imp 8 ohms. 14¼ x 34¼ x 24¼ in .....\$3,250

## Model III Series 2-Way Speaker

4th-order vented hybrid-line design with 6½-in laminated-polypropylene woofer and 1-in ferrofluid-cooled aluminum-dome tweeter. 6 dB/oct crossover. Crossover point 2 kHz; FR 47 Hz-20 kHz ±3 dB; sens 90 dB; imp 8 ohms. Rounded cabinet corners. 8¼ x 20¼ x 12¼ in .....\$2,250/pr  
As above, square corners .....\$1,490/pr

## Amazing Mini-Monitor 2-Way Bookshelf Speaker

4th-order vented design with 5¼-in poly laminated woofer and 1-in polyimide-dome tweeter. 6 dB/oct crossover. Crossover point 2.5 kHz; FR 54 Hz-22 kHz ±3 dB; sens 88 dB; imp 8 ohms. Rounded cabinet corners. 7¼ x 16¼ x 10¼ in .....\$1,699/pr  
As above, square corners .....\$997/pr

## A Subwoofer

4th-order vented design with 8¼-in poly laminated woofer. FR 30-200 Hz ±3 dB; sens 89 dB; imp 8 ohms. 11¼ x 25¼ x 17¼ in .....\$1,290

## RBH

### Model 53 2-Way Bookshelf Speaker

4½-in graphite woofer and ¾-in Mylar tweeter. Injection-molded polypropylene cabinet. Matching brackets optional. Power handling 80 W; crossover point 2.5 kHz; FR 80 Hz-20 kHz ±3 dB; sens 89 dB; imp 8 ohms. Black or white. 9 x 6 x 5 in; 4 lb .....\$129/pr

## Theater Series

The following carry a 5-year warranty.

### Package 2 Home Theater System

6-speaker package with 150-W powered subwoofer with 10-in aluminum-cone driver; four MC-6-C front and surround speakers and one MC-414-C center speaker .....\$2,025

### Package 1 Home Theater System

6-speaker package with 150-W powered subwoofer with 10-in aluminum-cone driver; one MC-414-C center speaker; two MC-6-C front speakers; two MC-6 surround speakers. FR 30-180 Hz sub .....\$1,795

### TS-10-A Powered Subwoofer

Bass-reflex design with 10-in aluminum-cone woofer; 150-W amp. Line- and speaker-level inputs and outputs. Auto-on/off; phase switch. Crossover point variable from 40-180 Hz; FR 30-180 Hz; sens 88 dB; imp 4 ohms. 14 x 14¼ x 16½ in; 45 lb .....\$759

### TS-12 Powered Subwoofer

Bass-reflex design with 12-in Kraft-pulp woofer; 150-W amp. Speaker- and line-level inputs; speaker-level outputs. Level and phase controls; auto turn-on. FR 30-160 Hz ±3 dB; imp 4 ohms. Black or natural stained oak with black grille. 16 x 15 x 17 in; 56 lb .....\$759

### TS-10 Powered Subwoofer

Bass-reflex design with 10-in Kraft-pulp woofer; 150 W amp. Speaker- and line-level inputs and outputs. Level, phase and auto-current-sense controls. FR 30-160 Hz ±3 dB; imp 4 ohms. Black or natural stained oak with black grille. 14 x 15 x 17 in; 45 lb .....\$599

### MC-414-C 2-Way In-Wall Speaker

Acoustic-suspension design with two 4-in alumi-

# Speakers

num-cone woofers and one 1-in aluminum-dome tweeter. Swivel tweeter. 1 set speaker inputs. Power handling 150 W; crossover point 4 kHz; FR 55 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 4 ohms. Rectangular frame. Mounting area: 6 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in. Mounting depth 9 $\frac{1}{2}$  in .....\$385

## MC-6-C 2-Way Bookshelf Speaker

Acoustic-suspension design with 6 $\frac{1}{2}$ -in aluminum-cone woofer and 1-in aluminum-dome tweeter. Swivel tweeter. 1 set speaker inputs. Power handling 120 W; crossover point 3 kHz; FR 50 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. Oak with natural, black, or cherry finish. 8 $\frac{3}{4}$  x 14 $\frac{1}{2}$  x 11 in; 17 lb .....\$382

## VDS-12 Subwoofer

Bass-reflex design with 12-in Kraft-pulp woofer. Power handling 250 W; crossover point 100 Hz; FR 30-100 Hz  $\pm 3$  dB; sens 89 dB; imp 4 ohms. Black or natural-stained oak with black grille. 16 x 19 x 19 in; 48 lb .....\$379

## Signature Series

### Model 1010-SV Powered Subwoofer

Bass-reflex design with two 10-in Kraft-pulp woofers; 200-W amp. Line- and speaker-level inputs and outputs. Auto-on/off; phase switch. Spikes optional. Crossover point variable from 40-180 Hz; FR 24-180 Hz; sens 89 dB; imp 2 ohms. 13 $\frac{1}{2}$  x 30 x 19 in; 76 lb .....\$999

### Model 1061-SV 3-Way Speaker

Bass-reflex design with 10-in Kraft-pulp woofer, 6 $\frac{1}{2}$ -in Kevlar-fiberglass-matrix woofer, and 1-in fabric-dome tweeter. Magnetic shielding. Bi-ampable terminals. Power handling 200 W; crossover points 120 Hz and 3 kHz; FR 24 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 4 ohms. Black vinyl or hardwood finish. 9 x 47 x 14 in; 70 lb .....\$799

### Model 661-SV 2-Way Speaker

Acoustic-suspension design with two 6 $\frac{1}{2}$ -in Kevlar-fiberglass-matrix woofers and one 1-in fabric-dome tweeter. Magnetic shielding. Bi-ampable terminals. Power handling 200 W; crossover point 3 kHz; FR 45 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 4 ohms. Black vinyl or hardwood finish. 9 x 22 x 12 in; 45 lb .....\$459

**Model 61-SV.** As above, one 6 $\frac{1}{2}$ -in Kevlar-fiberglass-matrix woofer. Power handling 150 W; sens 87 dB; imp 8 ohms. 9 x 15 x 9 $\frac{1}{2}$  in; 19 lb .....\$299

## Contractor Series

### FS-12-P In-Floor Powered Subwoofer

FS-12 in-floor subwoofer and outboard SAM-200 amp .....\$809

### WS-100-P In-Wall Powered Subwoofer

WS-100 in-wall subwoofer and outboard SAM-200 power amp .....\$799

### FS-12-D In-Floor Subwoofer

Acoustic-suspension design with 12-in Kraft-pulp woofer with dual voice coils. 2 speaker inputs and outputs. Power handling 200 W; crossover point 100 Hz; FR 35-500 Hz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black-satin MDF cabinet with paintable metal grille. 5-yr warranty. Rectangular frame. Mounting area: 14 x 36 in. Mounting depth 9 $\frac{1}{2}$  in .....\$496

### C-760 2-Way In-Wall Speaker

Acoustic-suspension design with two 6 $\frac{1}{2}$ -in Kevlar-fiberglass-matrix woofers and one 1-in fabric-dome tweeter. Power handling 200 W; crossover point 3 kHz; FR 50 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 4 ohms. Black-satin MDF cabinet and black or white knit-cloth grille. 5-yr warranty. Rectangular frame. Mounting area: 14 x 28 in. Mounting depth 3 $\frac{1}{2}$  in .....\$449

### FS-12 In-Floor Subwoofer

Acoustic-suspension design with 12-in Kraft-pulp woofer. Power handling 200 W; FR 30-500 Hz  $\pm 3$  dB; sens 90 dB; imp 4 ohms. Black-satin MDF cabinet with paintable metal grille. 5-yr warranty.

Rectangular frame. Mounting area: 14 x 36 in. Mounting depth 9 $\frac{1}{2}$  in .....\$440

### WS-100 In-Wall Subwoofer

Bass-reflex design with 10-in Kraft-pulp woofer. Power handling 200 W; FR 35-500 Hz  $\pm 3$  dB; sens 90 dB; imp 4 ohms. Black-satin MDF cabinet and black or white knit-cloth grille. Rectangular frame. Mounting area: 14 x 48 in. Mounting depth 3 $\frac{1}{2}$  in .....\$412

## Architectural Series

*The following use an infinite-baffle design.*

### MC-8 2-Way In-Wall Speaker

8-in aluminum woofer and 1-in aluminum-dome swivel tweeter. Power handling 110 W; crossover point 2.5 kHz; FR 50-20 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. Paintable ABS frame and metal grille. 25-yr warranty. Rectangular frame. Mounting area: 8 $\frac{3}{4}$  x 12 $\frac{1}{2}$  in. Mounting depth 3 in .....\$599/pr

**TK-8.** As above, 8-in Kevlar-fiberglass-matrix woofer. Crossover point 2.75 kHz; sens 92 dB .....\$495/pr

**MC-6.** As above, 6 $\frac{1}{2}$ -in aluminum woofer. Crossover point 3 kHz; sens 87 dB. Mounting area: 7 $\frac{1}{4}$  x 10 $\frac{1}{4}$  in .....\$449/pr

**A-810.** As above, 8-in graphite woofer. FR 55 Hz-20 kHz  $\pm 3$  dB; sens 90 dB. Mounting area: 8 $\frac{3}{4}$  x 12 $\frac{1}{4}$  in .....\$395/pr

**TK-6.** As above, 6 $\frac{1}{2}$ -in Kevlar-fiberglass-matrix woofer. Power handling 100 W; FR 50 Hz-20 kHz  $\pm 3$  dB. Mounting area: 7 $\frac{1}{4}$  x 10 $\frac{1}{4}$  in .....\$349/pr

**A-610.** As above, 6 $\frac{1}{2}$ -in graphite woofer. Power handling 80 W; FR 60 Hz-20 kHz  $\pm 3$  dB .....\$295/pr

**A-615.** As above, FR 65 Hz-20 kHz  $\pm 3$  dB. Round frame. Mounting diameter: 7 $\frac{1}{4}$  in .....\$225/pr

**A-509.** As above, 5 $\frac{1}{4}$ -in graphite woofer and 1-in fabric-dome tweeter. Power handling 60 W. Rectangular frame. Mounting area: 6 $\frac{1}{4}$  x 9 $\frac{1}{2}$  in .....\$159/pr

### A-506 2-Way In-Wall Speaker

5 $\frac{1}{4}$ -in graphite woofer and 3 $\frac{1}{2}$ -in Mylar tweeter. Optional black or white internal trim rings and grilles to match can-type light fixtures. Power handling 60 W; FR 70 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Paintable ABS frame and plastic grille. 25-yr warranty. Round frame. Mounting diameter: 6 $\frac{1}{2}$  in. Mounting depth 3 in .....\$159/pr

### AS-10-D In-Wall Subwoofer

10-in graphite woofer with dual voice coil. 2 speaker inputs. Power handling 110 W; FR 40-100 Hz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Paintable ABS frame and metal grille. Square frame. Mounting area: 10 $\frac{1}{2}$  x 10 $\frac{1}{2}$  in. Mounting depth 3 $\frac{1}{2}$  in .....\$149

### A-504-D In-Wall Speaker

5 $\frac{1}{4}$ -in graphite dual-voice-coil driver. Power handling 50 W; crossover point 4 kHz; FR 60 Hz-14 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Paintable ABS frame and metal grille. 25-yr warranty. Round 6 $\frac{1}{2}$ -in frame. Mounting depth 3 in .....\$39

## MC Series

*The following use an infinite-baffle design with a 1-in aluminum-dome swivel tweeter and have magnetic shielding, 1 set of speaker inputs, and a paintable rectangular ABS frame and metal grille. They carry a 25-year warranty.*

### MC-616 2-Way In-Wall Speaker

Two 6 $\frac{1}{2}$ -in aluminum-cone woofers. Power handling 180 W; crossover point 3.5 kHz; FR 50 Hz-20 kHz  $\pm 3$  dB; sens 92 dB; imp 6 ohms. Mounting area: 9 x 20 $\frac{1}{2}$  in. Mounting depth 3 $\frac{1}{2}$  in .....\$349

### MC-414 2-Way In-Wall Speaker

Two 4-in aluminum-cone woofers. Power handling 150 W; crossover point 4 kHz; FR 60 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 4 ohms. Mounting area: 17 $\frac{1}{4}$  x 15 $\frac{1}{2}$  in. Mounting depth 3 $\frac{1}{2}$  in .....\$259

## Virtual Theater Series

### FX-80 Tactile Transducer

Allows lower-frequency tactile information to originate from under the floor or seating area. Power

handling 150 W; FR 15-90 Hz; imp 4 ohms. Stamped metal. 4 x 3 x 4 in; 4 lb .....\$149

**VT-4.** Package including four FX-80 tactile transducers and one 200-W subwoofer amp .....\$899

**VT-2.** As VT-4, with two FX-80 transducers .....\$689

## RCA

### SP3500SW Powered Subwoofer

Bass-reflex design with 12-in down-firing long-throw woofer; amp rated at 100 W rms. Adjustable filter; auto turn-on/off. Includes 10-in cable. FR 30-200 Hz. 16 $\frac{1}{2}$  x 19 $\frac{1}{4}$  x 16 $\frac{1}{2}$  in .....\$499

### RF-9950 Home Theater System

6-speaker system with 2 front speakers, each with one 6 $\frac{1}{2}$ -in woofer and one 2 $\frac{1}{2}$ -in cone tweeter; magnetically-shielded center-channel speaker with 5-in woofer and 2 $\frac{1}{2}$ -in cone tweeter; two surround speakers, each with one 4-in full-range driver; 6 $\frac{1}{2}$ -in passive subwoofer; AM/FM receiver rated at 50 W x 3 (front, center) + 20 W x 2 (surround) with 1% THD. Receiver has Dolby Pro Logic, Dolby 3 Stereo, Hall and bypass modes; motor-driven volume control; 30 station presets. Line-level subwoofer output. Includes universal remote control .....\$449

### SP3310BS2 Bookshelf Speaker

Bass-reflex design with two 2 $\frac{1}{4}$ -in full-range drivers. Magnetic shielding. Power handling 100 W max; FR 65 Hz-20 kHz. 8 x 14 x 12 $\frac{1}{2}$  in .....\$399

### SP1420T Speaker

Bass-reflex design with two 2 $\frac{1}{4}$ -in full-range drivers. Magnetic shielding. Power handling 150 W max; FR 45 Hz-20 kHz. Contemporary styling to match RCA ebony-finish televisions. 8 x 45 x 13 $\frac{1}{4}$  in .....\$299

### SP1320C 2-Way Center-Channel Speaker

Two 3 $\frac{1}{2}$ -in woofers and one 1-in tweeter. Magnetic shielding. Power handling 100 W max; FR 150 Hz-15 kHz. 17 x 5 x 8 in .....\$199

### SP3800S3 Center/Surround Speaker

Two 2 $\frac{1}{4}$ -in full-range drivers. Plastic cabinet with rotating RCA logo for use as either horizontal center-channel speaker or vertical surround speaker. Magnetic shielding. Includes wall-mounting brackets and templates. Power handling 70 W max; FR 200 Hz-20 kHz. 9 $\frac{1}{2}$  x 3 $\frac{1}{2}$  x 5 in .....\$149

## RECOTON

*The following are wireless speakers.*

### WP445 2-Way Powered Speaker

Tuned-port design with 4-in woofer and 2-in tweeter with moisture-resistant diaphragms; 130-W amp. Powered by rechargeable lead-acid battery, 8 D-cell batteries, or AC adapter. Auto mute; auto shut off; volume controls. FR 50 Hz-15 kHz .....\$330/pr

### W440 2-Way Powered Speaker

Bass-reflex design with 4-in woofer and 2-in tweeter; amp rated at 10 W rms. ABS enclosure; 150-ft range. Bass boost; mono/stereo switches; volume and power switches. Includes 3 AC adapters .....\$300/pr

**W403.** Mounting brackets .....\$30

### W410 2-Way Powered Outdoor Speaker

6 $\frac{1}{2}$ -in woofer and 1-in tweeter; amp rated at 10 W rms. Dome-shaped weatherproof cabinet. Operates on 12V battery. FR 50 Hz-30 kHz .....\$280

**W412.** Add-on speaker for above .....\$240

**W411.** Replacement rechargeable lead-acid battery .....\$90

**W410-2GRN.** As above, green .....\$500/pr

### W400 2-Way Powered Speaker

4-in woofer and 2-in tweeter; amp rated at 10 W rms .....\$250/pr

**W401.** Add on speaker for above. Includes AC adapter .....\$189

**W403.** Mounting brackets .....\$30

# Speakers

## REFERENCE MUSIC SYSTEMS

### Revelation II 2-Way Speaker

Two 5/4-in woofers and one 1-in Focal tweeter. Outboard passive crossovers; steel cabinet. Sens 89 dB. 80 lb . . . \$3,995/pr  
Electronic crossover for above . . . \$1,695

### Revelation I 2-Way Speaker

5/4-in woofer and 1-in Focal tweeter. Outboard passive crossover. Sens 89 dB. 60 lb . . . \$2,995/pr  
Electronic crossover for above . . . \$1,695

## RENAISSANCE

### Enigma 3-Way Speaker

10-in woofer, 3-in dome midrange, and 1/2-in soft-dome tweeter. Includes spikes. Power handling 200 W rms; FR 33 Hz-22 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. Black and red walnut cabinet. 12 x 12 x 41 1/2 in . . . \$1,800/pr

### Prelude 2-Way Speaker

Transmission-line design with 6 1/2-in woofer and 1 1/4-in dome tweeter. Power handling 180 W rms; crossover point 3.8 kHz; FR 34 Hz-25 kHz  $\pm 2$  dB; sens 92 dB; imp 8 ohms . . . \$1,695/pr

### Model 403.5 3-Way Speaker

Acoustic-suspension design with 8 1/2-in woofer with 3-in aluminum voice coil, 2-in soft-dome midrange, and 1-in soft-dome tweeter. Power handling 150 W; FR 38 Hz-25 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black. 12 x 21 1/4 x 10 1/4 in; 27 lb . . . \$845/pr

### Piccolo 2-Way Bookshelf Speaker

5-in woofer with 3-in voice coil and 1 1/4-in soft-dome tweeter. Power handling 150 W rms; FR 60 Hz-22 kHz  $\pm 3$  dB; sens 89 dB; imp 6 ohms. 7 1/4 x 11 1/4 x 9 1/4 in . . . \$695/pr

## REUBEN GUSS ENTERPRISES

*Custom Monitor, System I, System II, and System III feature satellite controls on front enclosures. Models IV, V, VI, and VII have only two enclosures.*

### Custom Monitor Speaker System

8-speaker system with 4 front speakers, each with four 15-in woofers, eight 5-in dome midranges, four 1-in titanium dome tweeters, and fourteen proprietary-design piezo supertweeters; 4 surround satellites, each with two 15-in woofers, five 5-in dome midranges, four 1-in titanium dome tweeters, and twelve proprietary-design piezo supertweeters. Power handling 1,200 W max; FR 15 Hz-35 kHz  $\pm 3$  dB system; imp 8 ohms. Front: 30 x 72 x 20 in. Surround: 22 x 72 x 16 in . . . \$100,000

**System I Monitor.** As above, 2 front speakers and 2 surround speakers. Imp 4 ohms . . . \$50,000

### System II Symphony Speaker System

4-speaker system with two front speakers, each with two 15-in woofers, two 5-in dome midranges, one 1-in titanium dome tweeter, and four proprietary-design piezo supertweeters; two surround speakers, each with one 5-in midrange, one 1-in titanium-dome tweeter, and two piezo supertweeters. Power handling 450 W max; FR 18 Hz-35 kHz  $\pm 3$  dB system; imp 4 ohms. Front: 22 x 54 x 20 in. Surround: 8 x 25 x 8 in . . . \$18,000

**System III Concerto.** As above, but with 12-in woofers . . . \$14,000

### System V Sonata 4-Way Speaker

15-in woofer, 5-in midrange, 1-in titanium dome tweeter, and custom piezo supertweeter. Power handling 270 W max; FR 20 Hz-30 kHz  $\pm 3$  dB; imp 8 ohms. 18 x 28 1/2 x 15 in . . . \$7,500/pr

### System IV Concerto 4-Way Speaker

12-in woofer, 5-in midrange, 1-in titanium dome tweeter, and custom piezo supertweeter. Power handling 200 W max; FR 25 Hz-30 kHz  $\pm 3$  dB; imp 8 ohms. 14 1/2 x 25 x 11 1/4 in . . . \$6,000/pr

**System IV Studio-Monitor.** As above, 10-in woofer. FR 30 Hz-30 kHz  $\pm 3$  dB . . . \$5,000/pr

### System VII Mini-Monitor 2-Way Speaker

8-in woofer and 1-in titanium dome tweeters. Power handling 120 W max; FR 38 Hz-30 kHz  $\pm 4$  dB; imp 8 ohms. 10 x 14 1/4 x 7 1/4 in . . . \$2,400/pr

## REVOX

### Scala 3.6 3-Way Speaker

Bass-reflex design with four 6-in woofers, one 6-in midrange, and one 1-in silk-woven-dome tweeter. Digital-crossover design with patented negative-output-impedance amps. Digital AES SPDIF/RCA input. Volume, EQ, and balance controls. Includes remote control. Power handling 800 W; FR 31 Hz-20 kHz  $\pm 3$  dB. Hand-rubbed French cherrywood. 7 x 74 x 10 in; 106 lb . . . \$13,500/pr  
**DLC-1.** A/D converter with 4 analog and 3 digital inputs for above . . . \$2,600

### Emetric 220 3-Way Speaker

Bass-reflex design with two 6-in aluminum woofers, one 6-in aluminum midrange, and one 1-in aluminum-dome tweeter. Gold-plated triampable terminals. Power handling 220 W max; FR 32 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp 6 ohms. Beechwood or black ash with silver baffle. 5-yr warranty. 8 x 53 x 14 in; 70 lb . . . \$4,395/pr

### Emetric 160 2-Way Speaker

Bass-reflex design with two 6-in aluminum woofers and one aluminum-dome tweeter in D'Appolito array. Gold-plated biampable terminals. Power handling 160 W max; FR 35 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp 6 ohms. Beechwood or black ash with silver baffle. 5-yr warranty. 8 x 53 x 14 in; 43 lb . . . \$2,795/pr

### Elegance Active SW Powered Subwoofer

Bass-reflex design with two 6-in woofers; amp rated at 150 W. Speaker-level input. Crossover point variable from 95-120 Hz; FR 30-95 Hz  $\pm 3$  dB; sens 88 dB. Beechwood or brushed aluminum. 18 x 18 x 20 in; 40 lb . . . \$1,695

### Emetric Shelf 2-Way Bookshelf Speaker

Bass-reflex design with 7-in aluminum woofer and 1-in aluminum-dome tweeter. Gold-plated inputs. Vertical or horizontal placement. Power handling 120 W max; FR 42 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. Beechwood or black ash with silver baffle. 5-yr warranty. 9 x 15 x 12 in; 17 lb \$1,495/pr  
Floor stand for above . . . \$599



Reference Revelation I

### Elegance Subwoofer

Bass-reflex design with two 5-in cone woofers. Gold-plated inputs. Horizontal or vertical placement. Power handling 160 W; FR 38-110 Hz  $\pm 3$  dB; sens 88 dB; imp 6 ohms. Beechwood or brushed aluminum. 5-yr warranty. 5 x 20 x 14 in; 20 lb . . . \$1,395/pr

### Elegance Column 2-Way Speaker

Transmission-line design with two 3-in woofers and one 1-in aluminum-dome tweeter in D'Appolito array. Magnetic shielding. Gold-plated inputs. Power handling 90 W; FR 55 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. Beechwood or brushed aluminum. 5-yr warranty. 4 x 44 x 4 in; 20 lb . . . \$1,395/pr

**Elegance Shelf.** As above, bookshelf version; bass-reflex design. FR 60 Hz-20 kHz  $\pm 3$  dB. 4 x 13 x 8 in . . . \$899/pr

**Elegance Center 2-Way Center-Channel Speaker.** As above, two 4-in cone woofers. Horizontal or vertical placement. Power handling 120 W; FR 45 Hz-20 kHz  $\pm 3$  dB. 18 x 6 x 9 in; 20 lb . . . \$599

### Piccolo Cube 2-Way Bookshelf Speaker

Coaxial bass-reflex design with 4-in cone woofer with 1-in dome tweeter. Point-source driver configuration. Power handling 75 W; FR 50 Hz-20 kHz; sens 87 dB; imp 4 ohms. White or aluminum. 5-yr warranty. 6 x 6 x 6 in; 8 lb . . . \$695/pr

### Unisub Subwoofer

Bass-reflex design with two 6-in drivers. Gold-plated 3-way input and output. Power handling 160 W; FR 38-120 Hz  $\pm 3$  dB; sens 88 dB; imp 6 ohms. Simulated black ash. 5-yr warranty. 22 x 11 x 11 in; 20 lb . . . \$499

## ROBERTS ARCHITECTURAL

### RA850 2-Way In-Wall Speaker

8-in polypropylene woofer and 3/4-in ferrofluid-cooled dome tweeter. Power handling 100 W rms; FR 28 Hz-30 kHz  $\pm 3$  dB; sens 90 dB; impedance 8 ohms . . . \$750/pr

**RA820.** As above, power handling 80 W rms; FR 35 Hz-30 kHz  $\pm 3$  dB . . . \$525/pr

### RA800 2-Way In-Wall Speaker

8-in polymer-coated woofer and 3/4-in soft-dome tweeter. Power handling 80 W rms; FR 35 Hz-22 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms . . . \$450/pr

### RA8SW In-Wall Subwoofer

8-in dual-voice-coil woofer. 6-dB/oct high-pass and 12-dB/oct low-pass filters. Power handling 100 W rms; crossover point 150 Hz; FR 30-150 Hz  $\pm 3$  dB; sens 89 dB; imp 8 ohms . . . \$425

### RA620 2-Way In-Wall Speaker

6 1/2-in polymer-coated woofer and 3/4-in soft-dome tweeter. Power handling 75 W rms; FR 50 Hz-30 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms . . . \$370/pr

### MP280 2-Way In-Wall Speaker

8-in polymer-coated woofer with 1 1/2-in aluminum voice coil and 3/4-in dome tweeter. Power handling 100 W rms; FR 45 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms . . . \$300/pr

### RA600 2-Way In-Wall Speaker

6 1/2-in woofer and 3/4-in dome tweeter. Power handling 70 W rms; FR 50 Hz-22 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms . . . \$300/pr

### MP260 2-Way In-Wall Speaker

6 1/2-in polypropylene-cone woofer and 3/4-in dome tweeter. Power handling 70 W rms; FR 55 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms . . . \$275/pr

### MP8SW In-Wall Stereo Subwoofer

Two 8-in polymer-coated woofers with 1 1/2-in diameter aluminum voice coils. 12-dB/oct low pass filter at 150 Hz. Power handling capability 150 W rms; FR 35-150 Hz  $\pm 3$  dB; sens 90 dB; imp 4 ohms . . . \$250/pr

# Speakers

## ROCK SOLID SOUNDS

### Solid Solutions Home Theater System

Six-speaker package with Solid PB 100 powered subwoofer, Solid C 100 center-channel speaker, and four Solid S 100 satellites. Black or white finish. . . . \$999

### Solid PB 100 Powered Subwoofer

Bass-reflex design with down-firing 10-in woofer; 70-W amp. High- and low-pass filters; magnetic shielding. 2 line-level inputs and outputs; 2 speaker-level inputs and outputs. Level adjust; phase switch. FR 32-80 Hz  $\pm 3$  dB. Black vinyl. 5-yr warranty. 13 $\frac{1}{2}$  x 16 $\frac{1}{2}$  x 15 $\frac{1}{2}$  in; 27 lb. . . . \$450

### Solid Monitor 2-Way Bookshelf Speaker

Bass-reflex design with 5-in fiber-cone woofer and 1-in fluid-cooled tweeter. Overload protection; magnetic shielding. Includes integral stand. Power handling 150 W max; crossover point 3.5 kHz; FR 75 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. Black or white. 6 $\frac{1}{2}$  x 9 $\frac{1}{2}$  x 6 in; 5 lb. . . . \$300/pr  
**Solid Pro.** As above with 70-V line transformer. 0.5-, 1-, 1.9-, 3.8-, 7.5- or 15-W outputs. . . . \$375/pr

### Solid HCM-1 2-Way Bookshelf Speaker

Bass-reflex design with 5-in copolymer woofer and 1-in fluid-cooled tweeter. Overload protection; magnetic shielding. Includes integral stand. Power handling 150 W max; FR 70 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. Black or white. 6 $\frac{1}{2}$  x 9 $\frac{1}{2}$  x 6 in; 5 lb. . . . \$200

**Solid HCM-2.** As above, 4-in woofer. Includes wall bracket. Power handling 75 W; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 87 dB. 5 $\frac{1}{2}$  x 8 x 5 $\frac{1}{2}$  in; 4 lb. . . . \$200/pr

### Solid S 100 2-Way Bookshelf Speaker

Bass-reflex design with 4-in woofer and 1-in tweeter. Overload protection; magnetic shielding. 2 spring binding posts. Includes internal wall bracket and shelf mount. Power handling 100 W; crossover point 3.5 kHz; FR 95 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. Black or white. 5-yr warranty. 8 $\frac{1}{2}$  x 10 $\frac{1}{2}$  x 3 $\frac{1}{2}$  in. . . . \$200/pr  
**Solid ST 100.** Contoured-metal stand for above. 5 lb. . . . \$150/pr

### Solid C 100 2-Way Center-Channel Speaker

Bass-reflex design with two 4-in woofers and one 1-in tweeter. Overload protection; magnetic shielding. 2 spring binding posts. Power handling 100 W; crossover point 3 kHz; FR 95 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black or white. 5-yr warranty. 16 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 5 $\frac{1}{2}$  in; 7 lb. . . . \$150

## ROCKUSTICS

The following, except Shintone and COM-360A, are camouflaged as rocks. All models are weather-proof and feature field-serviceable drivers, military-spec metal-cadmium plating, and stainless-steel mounting hardware. Custom colors are available.

### Rockolyth 2-Way Outdoor Speaker

Two 8-in long-throw polypropylene woofers and one 1-in ferrofluid-cooled soft-dome tweeter. Power handling 200 W; FR 38 Hz-20 kHz  $\pm 2$  dB; sens 92 dB; imp 8 ohms. 40 x 22 x 18 in; 220 lb. . . \$3,800/pr  
**Hillside.** As above, FR 41 Hz-19 kHz  $\pm 2$  dB. 26 x 18 x 26 in; 85 lb. . . . \$1,800/pr

### BP Sub Outdoor Subwoofer

Two 10-in long-throw polypropylene woofers. Power handling 700 W; FR 25-150 Hz  $\pm 2$  dB; sens 97 dB; imp 4 ohms. 15 x 36 x 28 in; 320 lb. . . \$3,600

### Sub Rock Outdoor Subwoofer

15-in long-throw dual-voice-coil polypropylene woofer. Power handling 150 W/coil; FR 37-125 Hz  $\pm 3$  dB; imp 5 ohms. 33 x 12 x 37 in; 250 lb. . . \$1,800

### COM-360A 2-Way Outdoor Speaker

8-in long-throw polypropylene woofer and 1-in ferrofluid-cooled tweeter. Cylindrical enclosure; base rests on ground; 24-dB/oct crossover. Power handling 100 W; crossover point 28 kHz; FR 47 Hz-16

kHz  $\pm 3$  dB; sens 92 dB; imp 5 ohms. 20 x 17 x 20 in; 40 lb. . . . \$1,400/pr

### Stonehenge II 2-Way Speaker

8-in long-throw polypropylene woofer and 1-in ferrofluid-cooled tweeter. Power handling 150 W cont; FR 60 Hz-18 kHz  $\pm 2.5$  dB; sens 93 dB; imp 6 ohms. 17 $\frac{1}{2}$  x 14 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 48 lb. . . . \$1,400/pr

### Stonewall 2-Way Outdoor Speaker

6 $\frac{1}{2}$ -in long-throw polypropylene woofer and 1-in ferrofluid-cooled soft-dome tweeter. Designed to be placed in stone wall such as fireplace or rock-retaining wall. Power handling 150 W/coil; FR 69 Hz-19 kHz  $\pm 2$  dB; sens 89 dB; imp 8 ohms. 26 x 10 $\frac{1}{2}$  x 6 $\frac{1}{4}$  in; 25 lb. . . . \$1,000/pr

### Punk Sub Outdoor Subwoofer

Two 8-in long-throw polypropylene woofers. Can be ordered with 2-way passive crossover at either 100 or 115 Hz. Power handling 100 W/driver; FR 39-115 Hz; imp 4 ohms/driver. 21 x 29 x 18 in; 80 lb. . . \$970

### Rocky Jr. 2-Way Outdoor Speaker

6 $\frac{1}{2}$ -in long-throw polypropylene woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 100 W cont; FR 69 Hz-19 kHz  $\pm 2$  dB; sens 89 dB; imp 8 ohms. 20 x 16 x 10 $\frac{1}{2}$  in; 39 lb. . . \$940/pr

### Octorock 2-Way Outdoor Speaker

Coaxial design with 8-in long-throw polypropylene woofer and 1-in ferrofluid-cooled tweeter. Power handling 100 W cont; crossover point 4 kHz; FR 55 Hz-20 kHz  $\pm 4$  dB; sens 92 dB; imp 8 ohms. 16 x 12 $\frac{1}{2}$  x 12 $\frac{1}{4}$  in; 36 lb. . . . \$800/pr

### Surround Stone Outdoor Speaker

360° horizontal and 0°-45° vertical dispersion. Power handling 75 W; FR 53 Hz-20 kHz  $\pm 5$  dB; sens 90 dB; imp 4 ohms. 15 x 12 $\frac{1}{2}$  x 13 in; 39 lb. . . \$740/pr  
**Shintone Outdoor Speaker.** As above, pagoda-style enclosure. 15 x 16 $\frac{1}{2}$  x 15 in. . . . \$850/pr

### Rocky Too 2-Way Outdoor Speaker

Coaxial design with 6 $\frac{1}{2}$ -in long-throw polypropylene woofer and 1-in ferrofluid-cooled tweeter. Power handling 100 W cont; crossover point 4.5 kHz; FR 69 Hz-19 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. 21 $\frac{1}{4}$  x 11 $\frac{1}{2}$  x 12 in; 38 lb. . . . \$740/pr  
**Soundstone Outdoor Speaker.** As above, 14 $\frac{1}{2}$  x 11 $\frac{1}{4}$  x 11 $\frac{1}{2}$  in. . . . \$740/pr

### Pavarocci 2-Way Outdoor Speaker

Coaxial design with 8-in long-throw polypropylene woofer and 1-in liquid-cooled tweeter. Power handling 70 W; imp 4 ohms. 16 x 13 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 16 lb. . . . \$600/pr

### Planter 2-Way Outdoor Speaker

5 $\frac{1}{2}$ -in long-throw polypropylene-cone woofer and 1-in tweeter. Power handling 75 W; FR 76 Hz-20 kHz  $\pm 5$  dB; imp 4 ohms. Terra-cotta finish. 27 x 8 $\frac{1}{2}$  x 12 $\frac{1}{2}$  in; 20 lb. . . . \$580/pr

### Tunestone 2-Way Outdoor Speaker

Coaxial design with 8-in long-throw polypropylene woofer and 1-in ferrofluid-cooled tweeter. Power handling 70 W; FR 55 Hz-20 kHz  $\pm 6$  dB; sens 92 dB; imp 4 ohms. 14 x 16 x 8 in; 18 lb. . . . \$530/pr

### Rocquette 2-Way Outdoor Speaker

Coaxial design with 6 $\frac{1}{2}$ -in long-throw polypropylene woofer and 1-in liquid-cooled tweeter. Power handling 70 W; impedance 4 ohms. 16 $\frac{1}{2}$  x 11 x 9 in; 14 lb. . . . \$500/pr

### Econorock II 2-Way Outdoor Speaker

Coaxial design with 6 $\frac{1}{2}$ -in long-throw polypropylene woofer and 1-in liquid-cooled tweeter. Power handling 70 W; imp 4 ohms. 14 x 10 $\frac{1}{2}$  x 9 $\frac{1}{4}$  in; 11 lb. . . . \$450/pr

### Rocky III 2-Way Speaker

Coaxial design with 6 $\frac{1}{2}$ -in long-throw polypropylene woofer and 1-in liquid-cooled tweeter. Power handling 70 W. 10 $\frac{1}{2}$  x 14 x 11 in; 17 lb. . . \$400/pr

### PunkRock 2-Way Outdoor Speaker

Coaxial design with 5 $\frac{1}{4}$ -in long-throw polypropylene woofer and 1-in liquid-cooled tweeter. Power handling 75 W; FR 76 Hz-19.5 kHz  $\pm 5$  dB; sens 91 dB; imp 4 ohms. 10 $\frac{1}{2}$  x 8 $\frac{1}{4}$  x 9 $\frac{1}{2}$  in; 15 lb. . . \$380/pr

## ROHRER ACOUSTIC DESIGN

### Rohrer Reference Home Theater System

6-speaker package with 2 Rohrer Reference Line Source speakers and 4 Rohrer Reference Subwoofers. . . . \$42,500

### Reference Line Source 2-Way Hybrid Ribbon Speaker

Twelve 6-in woofers and sixteen 3-in ribbon tweeters. Power handling capability 1,200 W; FR 40 Hz-40 kHz; sens 96 dB; imp 4 or 8 ohms. 14 x 80 x 12 in. . . . \$31,900/pr

### Model Reference Subwoofer

Two 15-in woofers. Power handling 200 W; FR 16-125 Hz; sens 92 dB; imp 4 ohms. Height 80 in. Diameter 25 in. . . . \$5,900/pr

### Model 2602D 2-Way Hybrid Ribbon Speaker

Two 6-in woofers and one 3-in ribbon tweeter. Power handling 200 W; FR 30 Hz-30 kHz; sens 92 dB; imp 4 ohms. 9 x 48 x 12 in. . . . \$3,600/pr

### Model 2702D KTT 2-Way Speaker

Two 7-in woofers and one 1-in dome tweeter. Power handling 100 W; FR 40 Hz-35 kHz; sens 95 dB; imp 8 ohms. 12 x 25 x 15 in. . . . \$2,995/pr

### Model 212PR Subwoofer

Two 12-in woofers with passive radiator. Power handling 200 W; FR 16-125 Hz; sens 90 dB; imp 8 ohms. 24 x 24 x 24 in. . . . \$1,595/pr

### Model 10 Subwoofer

10-in woofer. Power handling 100 W; FR 30-125 Hz; sens 89 dB; imp 4 ohms. 18 x 18 x 18 in. . . \$995

### Model 802 2-Way Speaker

8-in woofer and 1-in dome tweeter. Power handling 50 W; FR 40 Hz-25 kHz; sens 88 dB; imp 8 ohms. 10 x 19 x 12 in. . . . \$995/pr

## ROSSMAN AUDIO

### SA.1a 2-Way Powered Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in polypropylene-cone woofer and 1-in dome tweeter; amp rated at 50 W rms. Bass, treble, and volume controls; tone-defeat switch. FR 50 Hz-20 kHz  $\pm 3$  dB. Textured black-fleckstone finish. 3-yr warranty. . . . \$650/pr  
**SA.5a.** As above, 5-in woofer. FR 55 Hz-20 kHz  $\pm 3$  dB. . . . \$550/pr

## RUARK

### Excalibur 3-Way Speaker

Bass-reflex design with two 9-in woofers, one 3-in midrange, and one 1-in dome tweeter. Power handling 25 W min, 300 W max; crossover points 600 Hz and 4 kHz; FR 30 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. Walnut, natural cherry, and black ash finish; black knit grille. 12 x 49 x 20 $\frac{1}{2}$  in; 176 lb. . . . \$15,000/pr

### Solstice 3-Way Speaker

Bass-reflex design with two 7-in paper-cone woofers, two 3-in fabric-dome midranges, and one  $\frac{3}{4}$ -in fabric-dome tweeter. 3 pairs of biampable or triampable terminals. Power handling 25 W min, 250 W max; FR 40 Hz-20 kHz; sens 89 dB; imp 8 ohms. Walnut, rosewood, black ash, or natural cherry finish. 10 $\frac{1}{4}$  x 44 $\frac{1}{2}$  x 16 $\frac{1}{2}$  in; 110 lb. . . . \$9,500/pr

### Accolade 3-Way Speaker

Bass-reflex design with 11-in woofer, 3-in dome midrange, and 1-in dome tweeter. Power handling 200 W; FR 35 Hz-20 kHz  $\pm 3$  dB; imp 8 ohms. Black walnut finish; black knit grille. 11 $\frac{1}{2}$  x 39 x 15 in; 176 lb. . . . \$6,000/pr

# Speakers

## Equinox 2-Way Speaker

Bass-reflex design with 6½-in woofer and 1-in dome tweeter. Includes stands. Power handling 150 W; FR 45 Hz-20 kHz ±3 dB; imp 6 ohms. Walnut, oak, black finish. 10 x 34½ x 13 in; 132 lb .....\$4,000/pr

## Crusader II 3-Way Speaker

Bass-reflex design with 6½-in woofer, 3-in dome midrange, and 1-in dome tweeter. Power handling 150 W; FR 45 Hz-20 kHz ±3 dB; sens 88 dB; imp 6 ohms. Black, natural cherry, rosewood, or walnut; black knit grille. 9 x 35½ x 12½ in; 132 lb...\$3,300/pr

## Solace 2-Way Speaker

Bass-reflex design with 5½-in doped-paper-cone woofer and ¾-in fabric-dome tweeter. 2 pairs of bi-ampable terminals. Power handling 120 W max; crossover point 3.5 kHz; FR 55 Hz-20 kHz; sens 87 dB; imp 8 ohms. Walnut, rosewood, black ash, or natural cherry. 8¾ x 13 x 13 in; 33 lb .....\$2,300/pr

## Solace 2-Way Speaker

Infinite-baffle design with 3-in woofer and 1-in dome tweeter. Power handling 120 W; FR 50 Hz-20 kHz ±3 dB; imp 8 ohms. Walnut, rosewood, walnut, natural cherry or black finish. 11½ x 17 x 15 in; 48 lb .....\$2,000/pr

## Prologue One 2-Way Speaker

Bass-reflex design with 5-in woofer and 1-in dome tweeter. Power handling 120 W; FR 45 Hz-20 kHz ±3 dB; sens 89 dB; imp 8 ohms. Natural cherry, rosewood, walnut or black ash finish; black knit grille. 7 x 35 x 11 in; 80 lb .....\$1,900/pr

## Talisman II 2-Way Speaker

Bass-reflex design with 6½-in woofer and 1-in dome tweeter. Power handling 100 W; FR 46 Hz-20 kHz ±3 dB; sens 88 dB; imp 8 ohms. Rosewood, walnut, natural cherry, or black finish; black knit grille. 9 x 33 x 12½ in; 88 lb .....\$1,700/pr  
**Sceptre.** As above, FR 50 Hz-20 kHz ±3 dB. 8 x 15 x 10½ in; 40 lb .....\$1,300/pr  
**Icon.** As above, 5-in woofer. FR 58 Hz-20 kHz ±3 dB. 7 x 14 x 10 in; 26 lb .....\$799/pr  
**Epilogue.** As above, 5½-in woofer. FR 50 Hz-20 kHz ±3 dB; sens 87 dB. 6½ x 11 x 8 in; 17 lb .....\$499/pr

## Templar II 2-Way Speaker

Infinite-baffle design with 6½-in woofer and 1-in dome tweeter. Power handling 100 W; FR 55 Hz-20 kHz ±3 dB; sens 88 dB; imp 8 ohms. Black, rosewood or natural cherry finish; black knit grille. 7½ x 27½ x 10 in; 57 lb .....\$1,300/pr

## Ethos 2-Way Speaker

Bass-reflex design with 6¾-in paper-cone woofer and ¾-in fabric-dome tweeter. Magnetic shielding. Biampable terminals. Power handling 20 W min, 100 W max; FR 50 Hz-20 kHz; sens 88 dB; imp 8 ohms. Walnut, rosewood, black ash, or natural cherry. 8 x 33½ x 9 in; 33 lb .....\$1,050/pr

## Dialogue One 2-Way Center-Channel Speaker

Infinite-baffle design with two 5-in woofers and 1-in dome tweeter. Power handling 120 W; FR 65 Hz-20 kHz ±3 dB; sens 89 dB; imp 6 ohms. Black, natural cherry, walnut or rosewood finish; black knit grille. 19 x 7 x 8 in; 17 lb .....\$599

## RUSSOUND

### SP650.1 2-Way In-Wall Speaker

Bass-reflex design with 6½-in polymer woofer with butyl surround and 1-in silk-dome tweeter. Swivel tweeter. Power handling 10 W min, 60 W max; FR 58 Hz-21 kHz; sens 90 dB; imp 8 ohms. White finish with paintable metal grille. 5-yr warranty. Rectangular frame. Mounting area: 8¾ x 12 in. Mounting depth 3 in .....\$350/pr

## SCAN AMERICAN

### SD Series

The following use an infinite-baffle design. The woofers have impregnated paper cones and employ

a patented system that allows for equal movement and reaction time from both positive and negative impulses. Tweeters are made of impregnated cloth with a double chamber and series-coupled double acoustic damping on the dome back.

## SD-Four 2-Way Speaker

6-in woofer and ¾-in soft-dome tweeter. FR 25 Hz-20 kHz; sens 89 dB. Black oak, oak, or walnut veneer. 12 x 19 x 10 in .....\$1,650/pr  
**SD-Three.** As above, bookshelf version. FR 40 Hz-20 kHz. 10 x 16 x 8 in .....\$1,250/pr  
**SD-Two.** As above, 5-in woofer. FR 50 Hz-20 kHz. 8 x 12 x 7 in .....\$950/pr

## SD-One 2-Way Bookshelf Speaker

4-in woofer and ¾-in soft-dome tweeter. FR 60 Hz-20 kHz; sens 90 dB. Walnut veneer. 6 x 9 x 7 in .....\$650/pr

## SA Series

The following have a tuned enclosure, a polymer-treated paper woofer, a hand-assembled individually-damped soft-dome tweeter, a custom hand-made crossover with phase correction, 5-way gold-plated binding posts, and a handcrafted wood cabinet with black-lacquer paint. They carry a 10-year parts warranty on the crossover and drivers.

## SA-2.8 2-Way Bookshelf Speaker

Infinite-baffle design with 8-in woofer and soft-dome tweeter. Power handling 100 W max; crossover point 1.2 kHz; FR 30 Hz-22 kHz; sens 90 dB. 11 x 19 x 7¾ in .....\$550/pr

## SA-2.6 2-Way Bookshelf Speaker

Bass-reflex design with 6-in woofer and soft-dome tweeter. Power handling 75 W max; crossover point 2 kHz; FR 40 Hz-22 kHz; sens 87 dB. 9½ x 16 x 6¾ in .....\$450/pr

## SA-2.5 2-Way Bookshelf Speaker

Bass-reflex design with 5¼-in woofer and soft-dome tweeter. Power handling 50 W max; crossover point 2 kHz; FR 55 Hz-20 kHz; sens 86 dB. 8 x 13½ x 6¾ in .....\$350/pr

## SHAHINIAN

Rosewood, bird's-eye maple, mahogany, and other exotic wood finishes available, price quoted at time of order. Dark brown or black cloth grilles standard, with almond, light brown, or bone available at extra cost.

## Diapason Module 4-Way Speaker

Four 5¼-in curved polypropylene-cone woofers with 1-in voice coils, two ½-in titanium-dome midranges, two ¾-in cambric-dome tweeters, and six ½-in W-shaped titanium-dome supertweeters. Designed to fit atop the Double Eagle subwoofer. Cabinet constructed of 13-ply Finland Birch, and shaped as an asymmetric prism with unequal rakes fore and aft, and equal rakes left and right; woofers have 20-oz ceramic magnet; midranges have special east/west magnet structure; low tweeters have phase-correcting faceplate and third-order filters for minimum phase function; Kimber 4tc internal wiring with low-flux pure solder. 2 input filter choices, or direct bypass for electronic crossover and biamp function; wall-mountable at some distance from subwoofer. Biwiring and twin amplification optional. Power handling 800 W max; FR 125 Hz-22 kHz ±3 dB; sens 89 dB; imp 6 ohms. 22 x 7 x 15¼ in; 33 lb .....\$5,500/pr

## Double Eagle Stereo Subwoofer

Hybrid transmission-line design with two 8-in polypropylene curvilinear-cone woofers and passive radiator bass chamber. Woofers with 1½-in high-temperature patented voice coils, 34-oz ceramic magnets, and magnesium baskets; 3/4-in Finland birch cabinet; built-in 140 Hz/280 Hz 18 dB passive filters may be bypassed for blamping. 5-way binding posts. Bridgeable into mono mode for double-unit operation or stacked for quadruple

high-power function. 3-position passive input filter module optional. Power handling 300 W; FR 23-140 Hz or 23-280 Hz ±3 dB; sens 86 dB; imp 6 ohms. Sits on 4 twin-wheel casters. Santos rosewood or bird's-eye maple finish. 23 x 32 x 15 in; 105 lb .....\$4,800/pr  
 Walnut or oak finish .....\$3,800/pr

## Hawk Subwoofer

Hybrid transmission-line design with 8-in curved-polypropylene cone woofer with rear-firing 10-in passive radiator. Designed for use with Hawk module. ¾-in enclosure. Crossover bypass. Power handling 250 W; crossover point selectable at 125 and 250 Hz; FR 25-250 Hz; sens 87 dB; imp 6 ohms. Rosewood finish. 12 x 17 x 30 in; 60 lb...\$3,000/pr  
 As above, cherry finish .....\$2,600/pr  
 As above, oak or walnut finish .....\$2,400/pr

## Hawk Module 2-Way Speaker

Four 4½-in curved polypropylene-cone woofers with 1-in voice coils and four 1-in titanium-neodymium tweeters. Designed for use with Hawk subwoofer and Double Eagle. Cabinet shaped as an asymmetrical prism with unequal rakes fore and aft, and equal rakes left and right; woofers with 10-oz ceramic magnets; 1-in tweeters feature high-efficiency neodymium magnets; mixture of first- and third-order filters (6 and 18 dB) for minimum phase shift; 250-Hz input filter may be bypassed for use with other subwoofers; Kimber 4tc internal-wiring with low-flux pure solder. Direct bypass for electronic crossover optional. Power handling 600 W max; FR 250 Hz-22 kHz ±3 dB; sens 87 dB; imp 6 ohms. 40 lb .....\$3,000/pr

## Arc 3-Way Speaker

Rear-mounted passive radiator; 8-in polypropylene curvilinear cone woofer with 1½-in high-temperature patented voice coils, 1½-in titanium ultra-light exposed-dome midrange, and 1-in titanium-neodymium supertweeter. Woofer with 28-oz ceramic magnet and magnesium basket; filters at 6 dB woofer, 18 dB midrange, 18 dB tweeter. Dual binding posts. Power handling 250 W; FR 28 Hz-18 kHz ±3 dB; sens 88 dB; imp 6 ohms. Black finish. 14 x 27½ x 9¾ in; 43 lb .....\$2,100/pr  
 Light/medium oak or walnut finish .....\$1,950/pr

## Compass 2-Way Speaker

6½-in composite cone woofer and 1-in neodymium-titanium tweeter. Floor-standing vertical enclosure with multi-chambered pressure loading; drivers mounted on diamond-shaped angled baffle. Power handling 200 W max; FR 40 Hz-18 kHz; sens 89 dB; imp 6 ohms. Available in oak, walnut, Finland birch, and other exotic woods. 10 x 10 x 34 in; 66 lb .....\$1,550/pr

## Starter 2-Way Speaker

6½-in composite-cone woofer and 1-in neodymium-titanium tweeter. 1 set input binding posts. Power handling 150 W; FR 45 Hz-18 kHz; sens 88 dB; imp 6 ohms. Stained or painted Finland birch. 5-yr warranty. 10 x 26 x 10 in; 18 lb .....\$1,000/pr

## Super Elf 2-Way Speaker

Bass-reflex design with 5½-in curved polypropylene-cone woofer and 1-in ferrofluid-damped titanium dome tweeter. 13-ply Finland birch with cross-braced enclosure; Polyfill and long-haired lamb's wool damping; woofer with 1-in voice coil, cast housing, and 20-oz motor; 6-dB woofer rolloff, 18-dB tweeter filters. Solid-brass gold-plated 8-way binding posts. Power handling 150 W max; FR 48 Hz-19.5 kHz; sens 87 dB; imp 6 ohms. Oak or walnut finish. 8¼ x 14¾ x 9½ in; 33 lb .....\$850/pr

## SHERWOOD

The following include speaker wires, a system set-up videocassette, wire ID tags, and shelf-mountable wire guides.

HTS-1000 Powered Home Theater System. RV-4050R 170-W A/V receiver; 6½-in powered sub-

# Speakers

woofer with 50-W amp and EQ controls; front left/right speakers and one center speaker, each with 4-in woofer and 2-in tweeter; two surround speakers each with 4-in full-range driver. Magnetic shielding on front and center speakers. RMC-10 universal remote control. FR 30 Hz-20 kHz; sens 90 dB; imp 8 ohms .....\$449

**HTS-3000.** As above, RV-5050R A/V receiver; 3 video inputs; 5 audio inputs; headphone jack. RMC-20 universal remote control .....\$799

**HTS-110.** As HTS-1000, with 6½-in passive subwoofer .....\$399

## SIGNATURE TECHNOLOGIES

### SRM Series

*The following have gold-plated binding posts, no. 12 OFC wiring, oak hardwood caps, and a 2-year limited warranty. Custom hardwood finishes are available at an extra cost. Magnetic shielding is optional at no extra cost.*

### SRM-9.3-Way Speaker

3-subenclosure design with two 10-in long-throw mass-loaded polypropylene woofers in sealed subenclosure, one 6½-in mass-loaded woofer in isolated-dampened subenclosure, and one 1-in acoustically-treated-textile soft-dome tweeter. 3rd-order high-pass Butterworth filter; specialized damping throughout; cross-braced enclosures; hand-matched and hand-tuned components. Bi-ampable terminals. Power handling 100 W rms; FR 22 Hz-24 kHz ±3 dB; sens 90 dB; imp 4 ohms. 13½ x 65 x 18½ in; 165 lb .....\$6,500/pr

### SRM-1.5 Powered Speaker

2-enclosure design with lower enclosure containing 10-in long-throw mass-loaded polypropylene woofer with 150-W amp; upper enclosure with 6½-in butyl rubber surround mass-loaded woofer; 1-in soft-dome textile tweeter. High/mid-pass section 3rd-order Butterworth filter; low-pass section 3rd-order variable crossover. FR 22 Hz-24 kHz ±3 dB. Oak-hardwood caps with black cloth-wrapped enclosure. 46¼ x 13½ x 19 in; 145 lb .....\$3,495/pr

### SRM-2.1 2-Way Speaker

Dual-chamber bass-reflex design with 6-in polypropylene woofer with 1-in voice coil; 1-in textile dome tweeter. 3rd-order Butterworth filter. Power handling 150 W max; FR 33 Hz-25 kHz ±3 dB; sens 90 dB; imp 4 ohms. Solid-oak hardwood caps with black-cloth enclosure. 5-yr limited warranty. 8½ x 40 x 13 in; 56 lb .....\$1,499/pr

### SRM-5.1 2-Way Bookshelf Speaker

Bass-reflex design with 6-in polypropylene woofer with 1-in voice coil; 1-in textile-dome tweeter. Hand-matched components; 18-dB/oct Butterworth filter. Power handling 150 W max; FR 33 Hz-25 kHz ±3 dB; sens 90 dB; imp 4 ohms. Solid-oak hardwood caps with black-cloth enclosure. 5-yr limited warranty. 8½ x 21½ x 13 in; 25 lb .....\$699/pr

### SRM-7.1 2-Way Bookshelf Speaker

Acoustic-suspension design with 6-in polypropylene woofer with 1-in voice coil and ¾-in polycarbonate-dome tweeter. 6-dB/oct filter. Power handling 100 W max; FR 60 Hz-20 kHz ±3 dB; sens 89 dB; imp 4 ohms. Solid-oak hardwood caps with cloth-wrapped enclosure. 5-yr limited warranty. 8½ x 14¼ x 9¼ in; 19 lb .....\$499/pr

### In-Wall Speaker Series

*The following have a cloth-wrapped soft-edged sculptural design and may be ordered with a custom fabric color. Each includes mounting hardware and templates.*

### Profile 3 2-Way In-Wall Speaker

8-in polypropylene woofer and ¾-in polycarbonate-dome tweeter. 6-dB/oct high-pass filter. Power handling 100 W; FR 60 Hz-20 kHz ±3 dB; sens 89 dB; imp 4 ohms. 2-yr limited warranty .....\$499/pr

**Profile 1/Profile 2.** As above, 6½-in polypropylene woofer. Cutout 11¼ x 8½ in 3.3 lb .....\$399/pr

### Profile LF In-Wall Subwoofer

10-in dual-voice-coil woofer. Multiple units may be biamped with the LPF-2 active crossover. FR 32 Hz-2 kHz; sens 91 dB. Cloth-wrapped. 5-yr limited warranty. 12 x 12 x 3¾ in; 14 lb .....\$299

## SIGNET

### SL388 4-Way Speaker

Two 8-in aluminum die-cast polypropylene woofers, one 4-in die-cast midrange, and one 1-in aluminum ferrofluid-cooled tweeter. Power handling 150 W rms; FR 30 Hz-20 kHz; sens 91 dB; imp 4 ohms. 10½ x 40 x 11¼ in .....\$1,200/pr

### VL310 3-Way Speaker

10-in side-mounted radially-injected carbon-fiber woofer, 6½-in aluminum die-cast polypropylene midrange, and 1-in soft-dome tweeter. Magnetic shielding. Biampable terminals. Power handling 150 W rms; FR 35 Hz-20 kHz; sens 92 dB; imp 4 ohms. 8¼ x 37 x 12¼ in .....\$999/pr

**VL310B/M.** As above with black or mahogany-vinyl finish .....\$850/pr

### SL266 2-Way Speaker

Two 6½-in aluminum die-cast woofers with polypropylene cones and rubber surrounds and one 1-in aluminum ferrofluid-cooled tweeter. Magnetic shielding. Power handling 150 W rms; FR 35 Hz-20 kHz; sens 91 dB; imp 8 ohms. Black or green; custom finishes available. 8¼ x 37 x 12½ in .....\$800/pr

### SP200/II Powered Subwoofer

15-in die-cast woofer with polypropylene-cone and rubber surround; 300-W amp. Variable crossover. Gold-plated terminals. FR 40-180 Hz .....\$800

### SL260/MkII 2-Way Bookshelf Speaker

6½-in die-cast woofer with polypropylene cone and rubber surround and 1-in aluminum ferrofluid-cooled tweeter. Magnetic shielding. Power handling 150 W rms; FR 45 Hz-25 kHz; sens 87 dB; imp 8 ohms. Black or mahogany vinyl finish. 8¼ x 15½ x 12¼ in .....\$600/pr

### SP100/II Powered Subwoofer

12-in aluminum die-cast woofer; amp rated at 150 W rms. A/V boost. Passive and active inputs; gold-plated input jacks. Selectable crossover; auto on/off. FR 20-180 Hz. 20 x 17 x 20 in .....\$600

### VL Birad 2-Way Surround Speaker

Two 5¼-in woofers and two ¾-in ferrofluid-cooled dome tweeters. Power handling 150 W rms; FR 55 Hz-20 kHz; sens 89 dB; imp 4 ohms. High-gloss black finish. 11 x 12½ x 6½ in .....\$540/pr

**Birad.** As above, black or white finish .....\$400/pr

### SP99 Powered Subwoofer

10-in driver; 100-W amp. A/V boost. Passive and active inputs; gold-plated input jacks. Auto on/off. Crossover point selectable; FR 30-180 Hz. 12¼ x 18¼ x 15¼ in .....\$450

### SL256 2-Way Bookshelf Speaker

6½-in woofer with polypropylene cones and rubber surround and ¾-in ferrofluid-cooled soft-dome tweeter. Power handling 100 W rms; FR 45 Hz-20 kHz; sens 89 dB; imp 8 ohms. 8¼ x 13 x 12¼ in .....\$380/pr

**SL252.** As above, sens 88 dB. Black or mahogany-vinyl finish. 8¼ x 12 x 11¼ in .....\$280/pr

**VL252.** As above, high-gloss black finish .....\$400/pr

### VLC266 2-Way Center-Channel Speaker

Two 6½-in aluminum die-cast polypropylene woofers and one 1-in ferrofluid-cooled soft-dome tweeter. Magnetic shielding. Power handling 150 W; FR 50 Hz-20 kHz; sens 90 dB; imp 4 ohms. High-gloss black finish. 20 x 8 x 10 in .....\$325

**VLC266B.** As above with black-vinyl finish .....\$300

### VLC50 2-Way Center-Channel Speaker

Two 5¼-in woofers and one ¾-in ferrofluid-cooled

silk-dome tweeter. Magnetic shielding. Power handling 75 W; FR 50 Hz-20 kHz; sens 89 dB; imp 6 ohms. 18 x 7 x 9 in .....\$250

**SLC50.** As above .....\$220

**SLC40.** As above, two 4-in woofers and one ¾-in ferrofluid-cooled dome tweeter. 20 x 5 x 10 in \$189

### SL240 2-Way Bookshelf Speaker

5¼-in long-throw woofer and ¾-in ferrofluid-cooled metallized-dome tweeter. Power handling 75 W rms; FR 65 Hz-20 kHz; sens 88 dB; imp 8 ohms. 7 x 10¼ x 6 in .....\$240/pr

## SNELL

*The following are available in a gloss-black finish or oak, dark oak, and walnut real-wood veneer.*

### Type A Reference Subwoofer/Satellite System

4-speaker system with two subwoofers, each with 18-in driver; two tower speakers, each with four 6½-in woofers, two 5-in mineral-filled polypropylene-cone midranges, and one 1¼-in front-firing textile-dome tweeter. Two passive-filter networks. Includes EC-200. Power handling 400 W cont; crossover points 80 Hz, 350 Hz, and 2.8 kHz; FR 17-80 Hz ±2 dB subwoofer, 80 Hz-20 kHz ±1.5 dB tower; sens 90 dB subwoofer and tower; imp 8 ohms .....\$18,999

### Type C/V 3-Way Speaker

Two 8-in injection-molded woofers, two 5-in injection-molded cone midranges, one 1-in titanium-dome tweeter, and one 1-in rear-firing 5-layer laminated-dome tweeter. Power handling 250 W cont; crossover points 300 Hz and 2.8 kHz; FR 30 Hz-22 kHz ±3 dB; sens 90 dB; imp 8 ohms .....\$2,599/pr

### PS.10 Powered Subwoofer

Bass-reflex design with proprietary 10-in double-spider driver; 300-W amp. Internal variable-electronic crossover; magnetic shielding; 80-Hz high-pass filter. Gold-plated 5-way binding posts speaker inputs and outputs; line- and speaker-level input and output. Auto on/off; phase switch. FR 32-120 Hz ±3 dB. Hand-sanded/painted black finish. 15 x 15½ x 15¼ in .....\$1,200

### E.5 Tower 2½-Way Speaker

Bass-reflex design with two 6½-in woofers with copolymer cones and butyl-rubber surrounds with variable-progressive spider and aluminum-shorting cylinder; one 1-in aluminum-dome tweeter; one 1-in rear-firing soft-dome tweeter. 1½-in thick platform baffle; heat sink/terminal plate to draw heat away from inside of cabinet; magnetic shielding. Gold-plated biampable 5-way binding posts. Placement switch to contour crossover for free standing or boundary placement; treble control; rear tweeter on/off switch. Includes 2 gold-plated jumper straps and 4 floor spikes. Power handling 250 W cont; crossover points 250 Hz and 2.4 kHz; FR 32 Hz-20 kHz ±3 dB; sens 89 dB; imp 4 ohms. Hand-sanded/painted black finish or European beech veneer. 5-yr warranty. 8½ x 42½ x 11¼ in; 48 lb .....\$700

### E.5c 2-Way In-Wall Speaker

Acoustic-suspension design with two 6½-in woofers with copolymer cones and butyl surrounds; one 1-in aluminum-dome tweeter. Magnetic shielding. Boundary-compensation switch; tweeter-level control. Power handling 250 W cont; FR 50 Hz-20 kHz ±3 dB; sens 90 dB; imp 4 ohms. Black paint. 5-yr warranty. Rectangular frame. Mounting area: 16½ x 13½ in. Mounting depth 11 in .....\$700

### SR.5 2-Way Bipolar Surround Speaker

Bipolar acoustic-suspension design with one 5¼-in omnidirectional woofer with cast-aluminum basket, copolymer cone, and butyl-rubber surround; two sub-enclosed 3¼-in extended-range tweeters with copolymer cones. Hand-tuned crossovers; angled cabinets; tuned to match E.5 Tower and K.5 Monitor. Gold-plated biampable 5-way binding posts. Includes locking mounting bracket and

# Speakers

all mounting hardware. Power handling 150 W cont; crossover point 400 Hz; FR 70 Hz-20 kHz; sens 90 dB; imp 8 ohms. Hand-sanded/painted black or white finish. 5-yr warranty. 6¼ x 13¼ x 7½ in; 12 lb .....\$700/pr

## CR.5.2-Way Center-Channel Speaker

Acoustic-suspension design with two 5¼-in cast-aluminum-basket woofers w/ copolymer cones and butyl-rubber surrounds; one 1-in aluminum-dome tweeter. 1½-in thick platform baffle; tuned to match the E.5 Tower and K.5 Monitor; magnetic shielding. Gold-plated 5-way binding posts. Placement switch to contour crossover for freestanding or boundary placement. Power handling 150 W cont; crossover points 400 Hz and 2.8 kHz; FR 70 Hz-20 kHz ±3 dB; sens 89 dB; imp 8 ohms. Hand-sanded/painted black finish. 5-yr warranty. 17 x 10½ x 9 in; 17 lb .....\$500

## K.5 Monitor 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in woofer with copolymer cone and butyl-rubber surround with variable progressive splder and aluminum-shorting cylinder; 1-in aluminum-dome tweeter. 1½-in thick platform baffle; magnetic shielding; heat sink/terminal plate to draw heat away from inside of cabinet. Gold-plated biampable 5-way binding posts. Placement switch to contour crossover for cabinet or stand placement. Includes 2 gold-plated jumper straps. Power handling 200 W cont; crossover point 2.8 kHz; FR 48 Hz-20 kHz ±3 dB; sens 86 dB; imp 8 ohms. Hand-sanded/painted black finish or European beech veneer. 5-yr warranty. 8½ x 18 x 11½ in; 25 lb .....\$450

## CLS.5.2-Way Minispeaker

Bass-reflex design with 5¼-in woofer with cast-aluminum basket and copolymer-cone with butyl surrounds; 1-in black-anodized aluminum-dome tweeter. Magnetic shielding; die-cast aluminum cabinet. Includes wall-mounting bracket. Power handling 150 W cont; FR 80 Hz-20 kHz ±2 dB; sens 89 dB; imp 8 ohms. Black or white powder-coated paint. 5-yr warranty. 10½ x 6¾ x 8½ in; 11 lb .....\$375

## Type AMC 450 2-Way In-Wall Speaker

6½-in woofer and ½-in ferrofluid-cooled dome tweeter. Power handling 125 W cont; FR 60 Hz-20 kHz ±3 dB; sens 90 dB; imp 8 ohms .....\$280

## Type AMC 650 2-Way In-Wall/Ceiling Speaker

6½-in woofer with polypropylene-cone and butyl-surround; ¾-in ferrofluid-cooled titanium-dome tweeter. 20°-angle-mounted tweeter allows for optimum angling for wall or ceiling mounting. Includes paint mask and hole cutting template. FR 65 Hz-20 kHz ±3 dB; sens 88 dB; imp 8 ohms. Paintable white. 5-yr warranty. Round frame .....\$250

## Home Theater Systems

The following are THX certified.

### Music and Cinema Reference THX

#### Home Theater System

Two Music and Cinema front left/right speakers; one LCR2800 center-channel speaker; two SUR2800 surround speakers; two SUB1800 subwoofers; two passive filter networks; electronic crossover .....\$29,993

### MC In-Wall 800 THX Home Theater System

Three LCR 800's for front left/right and center-channel; two SUR850 in-wall surround speakers; two SUB800 in-wall subwoofers .....\$8,093

### Home Music and Cinema 500

#### THX Home Theater System

Three LCR500's for front left/right and center-channel; two SUR500 surround speakers; two SUB550 subwoofers .....\$5,593

## Music and Cinema Series

### Reference 3-Way THX Speaker

Four 6½-in woofers, two 5¼-in mineral-filled poly-

propylene-cone midranges, and three 1-in fluid-cooled textile-dome tweeters. THX certified. Power handling 400 W cont; crossover points 350 Hz, 2.8 kHz and 8.5 kHz; FR 80 Hz-20 kHz ±2 dB; sens 90 dB; imp 8 ohms. 15 x 63 x 12 in; 145 lb ...\$6,999

LCR2800. As above, two 8-in mineral-filled polypropylene woofers, two ¾-in mineral-filled polypropylene-cone midranges .....\$4,799

## SUR2800 3-Way THX Surround Speaker

One 8-in injection-molded woofer, two 6½-in mineral-filled polypropylene-cone midranges, and two 1-in aluminum-dome tweeters. THX certified and Dolby AC-3 ready. Power handling 200 W cont; crossover points 120 Hz, 300 Hz and 2.7 kHz; FR 36 Hz-20 kHz ±3dB; sens 86 dB; imp 8 ohms .....\$3,099

## SUB1800 THX Subwoofer

4th-order vented design with 18-in driver. THX certified. Power handling 600 W cont; FR 17-80 Hz; sens 88 dB; imp 8 ohms. High-gloss black-veneer finish. 21½ x 45 x 17 in; 180 lb .....\$2,499

## SUR850 3-Way In-Wall THX Dipolar Surround Speaker

Dipolar design with two 5¼-in woofers, two 4½-in cone midranges, and two 1-in aluminum-dome tweeters. THX certified. Power handling 150 W cont; crossover points 300 Hz and 2.8 kHz; FR 120 Hz-20 kHz; sens 89 dB; imp 8 ohms .....\$1,599

## SUR800 3-Way In-Wall Dipolar Surround Speaker

Dipolar design with one 5¼-in woofer, two 4½-in cone midranges, and two 1-in aluminum-dome tweeters. Power handling 150 W cont; FR 120 Hz-20 kHz; sens 89 dB; imp 8 ohms. Black brushed aluminum finish. 22 lb .....\$1,399

## LCR800 2-Way THX In-Wall Speaker

Two 6½-in polypropylene woofers and two ¾-in aluminum-dome tweeters. THX certified. Magnetic shielding. Power handling 150 W cont; crossover point 2,750 Hz; FR 80 Hz-20 kHz ±2 dB; sens 89 dB; imp 8 ohms .....\$1,099

HCC800. As above, horizontal version; not THX-certified .....\$1,099

LCR500. As LCR800, bookshelf version. High-gloss black-veneer finish. 9½ x 22 x 7½ in; 35 lb ...\$899

HCC500. As above, horizontal version. Not THX certified .....\$899

## SUR500 2-Way THX Dipolar Surround Speaker

Dipolar design with two 6½-in polypropylene woofers and two 1-in aluminum-dome tweeters. THX certified. Power handling 150 W cont; crossover points 300 Hz and 2.7 kHz; FR 120 Hz-20 kHz; sens 86 dB; imp 8 ohms. High-gloss black-veneer finish. 9½ x 16½ x 7½ in; 35 lb .....\$899

## SUB800 THX In-Wall Subwoofer

Acoustic-suspension design with 12-in driver. THX certified. Power handling 200 W cont; FR 20-80 Hz ±2 dB; sens 90 dB; imp 8 ohms. 14½ x 53 x 6½ in; 70 lb .....\$799

## SUB550 THX Subwoofer

12-in driver. THX-certified. Power handling 200 W cont; FR 20-80 Hz ±3 dB; sens 90 dB; imp 8 ohms. 18½ x 23½ x 11½ in; 60 lb .....\$549

## SONANCE

### DL1200V Powered Subwoofer

12-in front-firing woofer and 15-in downward-facing passive radiator; amp rated at 200 W. Clipping-eliminating compression circuitry. DualLevel switching between A/V signals. FR 25-140 Hz. 20 x 21 x 20 in .....\$999

DL1000V. As above, 10-in woofer, 12-in passive radiator; amp rated at 125 W. FR 30 Hz-140 Hz ±3 dB. 17½ x 18½ x 17½ in .....\$799

DL800V. As above, 8-in woofer, 10-in passive radiator; amp rated at 90 W. FR 35-140 Hz ±3 dB. 14 x 17 x 12½ in .....\$649

## In-Wall Speaker Series

The following have water-resistant components and hardware.

### D8001 3-Way In-Wall Speaker

8-in aluminum-cone woofer with rubber surround, 2½-in aluminum-cone midrange, and 1-in pivoting ferrofluid-cooled aluminum-dome tweeter. 4 DIP switches provide various EQ settings. Power handling 150 W max; FR 33Hz-21kHz; sens 92 dB; imp 6 ohms. Rectangular frame. Mounting area 10 x 16 in. Mounting depth 3½ in .....\$1,799/pr

### D7001 3-Way In-Wall Speaker

8-in dual-coil reinforced glass-composite-cone woofer with rubber surround, 2½-in polypropylene-cone midrange, and ¾-in pivoting ferrofluid-cooled aluminum-dome tweeter. 8 DIP switches provide various EQ settings. Power handling 125 W max; FR 33 Hz-21 kHz; sens 91 dB; imp 6 ohms. Rectangular frame. Mounting area 10 x 16 in. Mounting depth 3½ in .....\$1,099/pr

### D6001 3-Way In-Wall Speaker

8-in polypropylene-cone woofer with rubber surround, 2½-in polypropylene-cone midrange, and ¾-in pivoting ferrofluid-cooled cloth-dome tweeter. 4 DIP switches provide various EQ settings. Power handling 100 W max; FR 35 Hz-20 kHz; sens 90 dB; imp 8 ohms. Rectangular frame. Mounting area 10 x 16 in. Mounting depth 3½ in .....\$899/pr

T4000. As above, 6½-in dual-voice-coil polypropylene-cone woofer with rubber surround. Power handling 75 W max; FR 40 Hz-20 kHz; imp 6 ohms. Mounting area 8½ x 12½ in. Mounting depth 3½ in .....\$799/pr

### D5501 3-Way In-Wall Speaker

8-in polypropylene-cone woofer with rubber surround, 2½-in polypropylene-cone midrange, and ¾-in pivoting ferrofluid-cooled polycarbonate-dome tweeter. Power handling 100 W max; FR 40 Hz-20 kHz; sens 89 dB; imp 8 ohms. Rectangular frame. Mounting area 10 x 16 in. Mounting depth 3½ in .....\$699/pr

### T3500 3-Way In-Wall Speaker

6½-in polypropylene-cone woofer with rubber surround, 2½-in polypropylene-cone midrange, and ¾-in pivoting ferrofluid-cooled polycarbonate-dome tweeter. FR 45 Hz-20 kHz; sens 90 dB; imp 8 ohms. Rectangular frame. Mounting area 8½ x 12½ in. Mounting depth 3½ in .....\$539/pr

T3000. As above, power handling 75 W max; FR 55 Hz-20 kHz; sens 89 dB. Mounting depth 3½ in .....\$399/pr

### M300v 2-Way In-Wall Speaker

4-in woofer and ½-in pivoting polycarbonate-dome tweeter. Magnetic shielding. Power handling 60 W max; FR 65 Hz-20 kHz; sens 88 dB; imp 8 ohms. Rectangular frame. Mounting area 6 x 9 in. Mounting depth 2 in .....\$289/pr

### T2000 2-Way In-Wall Speaker

6½-in polypropylene-cone woofer with rubber surround and ¾-in pivoting ferrofluid-cooled polycarbonate-dome tweeter. Power handling 55 W max; FR 55 Hz-20 kHz; sens 89 dB; imp 8 ohms. Rectangular frame. Mounting area 8½ x 12½ in. Mounting depth 3½ in .....\$275/pr

T1000. As above, power handling 35 W max; FR 60 Hz-20 kHz .....\$199/pr

### M200 2-Way In-Wall Speaker

4-in polypropylene-cone woofer and ¾-in polycarbonate-dome tweeter. Power handling 50 W max; FR 70 Hz-20 kHz; sens 87 dB; imp 8 ohms. Rectangular frame. Mounting area 6 x 9 in. Mounting depth 2 in .....\$202/pr

M20R. As above with coaxial design. Round frame. Mounting diameter 7½ in. Mounting depth 3½ in .....\$205/pr

### M100 In-Wall Speaker

4-in full-range polypropylene-cone driver. Power

# Speakers

handling 35 W max; FR 70 Hz-15 kHz; sens 87 dB; imp 8 ohms. Rectangular frame. Mounting area 6 x 9 in. Mounting depth 2 in. . . . . \$119/pr  
**M10R.** As above, round frame. Mounting diameter 7 1/4 in. Mounting depth 3 3/4 in. . . . . \$99/pr

## Cinema Series

### Cinema 2 SUR In-Wall THX Surround Speaker

One 8-in aluminum-cone with rubber surround woofer; two 3-in aluminum-cone with rubber surround midranges; two 3/4-in aluminum-dome tweeter. Power handling 5 W min, 200 W max; FR 45 Hz-20 kHz  $\pm$ 3 dB; sens 90 dB; imp 4 ohms. Rectangular frame. Mounting area: 11 1/2 x 20 1/2 in. Mounting depth 3 3/4 in. . . . . \$1,250

**Cinema 2 LCR 3-Way In-Wall THX Speaker.** As above, one 8-in aluminum-cone with rubber surround and extended-pole-piece woofer; one 3/4-in aluminum-dome tweeter. Tilting midrange and tweeter array; magnetic shielding. FR 70 Hz-20 kHz  $\pm$ 3 dB . . . . . \$1,250

### Cinema 1 SUR In-Wall THX Surround Speaker

One 8-in polypropylene-cone with rubber-surround woofer; two 3-in polypropylene-cone with rubber-surround midranges; two 3/4-in cloth-dome tweeter. Power handling 5 W min, 150 W max; FR 70 Hz-20 kHz  $\pm$ 3 dB; sens 90 dB; imp 4 ohms. Rectangular frame. Mounting area: 11 1/2 x 20 1/2 in. Mounting depth 3 3/4 in. . . . . \$650

**Cinema 1 LCR.** As above, one 3/4-in cloth-dome tweeter. Tilting midrange and tweeter array; magnetic shielding . . . . . \$650

## In-Ceiling Speaker Series

The following have round frames and weather-resistant components and hardware.

### DR7001 3-Way Ceiling Speaker

8-in dual-voice-coil reinforced glass-composite-cone woofer with rubber surround; 2 1/2-in polypropylene-cone midrange with ferrofluid-cooled voice coil; 3/4-in pivoting-aluminum-dome tweeter. 4 DIP switches provide various EQ settings. Power handling 125 W max; FR 32 Hz-20 kHz; sens 91 dB; imp 6 ohms. Mounting diameter 12 in. Mounting depth 4 1/2 in. . . . . \$1,099/pr

### DR5501 3-Way Ceiling Speaker

8-in cone woofer with rubber surround; 2 1/2-in polypropylene-cone midrange; 3/4-in pivoting-polypropylene-dome tweeter. 3 DIP switches provide various EQ settings. Power handling 100 W max; FR 35 Hz-20 kHz; sens 90 dB; imp 8 ohms. Mounting diameter 12 in. Mounting depth 4 1/2 in. . . . . \$600/pr

### DR5001 3-Way Ceiling Speaker

8-in single-voice-coil polypropylene woofer with rubber surround; 2 1/2-in polypropylene-cone midrange with ferrofluid-cooling; 3/4-in pivoting-polypropylene-dome tweeter. Power handling 100 W max; FR 39 Hz-20 kHz; sens 90 dB; imp 8 ohms. Mounting diameter 12 x 12 in. Mounting depth 4 1/2 in. . . . . \$499/pr

### CR8 2-Way Ceiling Speaker

8-in black plasticized-pulp cone with urethane surround; 1-in cloth-dome tweeter. Power handling 75 W max; FR 45 Hz-20 kHz; sens 89 dB; imp 8 ohms. Mounting diameter 12 in. Mounting depth 4 in. . . . . \$298/pr

### GR8 2-Way Ceiling Speaker

5 1/4-in polypropylene-cone woofer with rubber surround; 3/4-in pivoting-pole-mounted polycarbonate-dome tweeter. Power handling 45 W max; FR 50 Hz-20 kHz; sens 90 dB; imp 8 ohms. Mounting diameter 7 1/4 in. Mounting depth 2 1/4 in. . . . . \$249/pr

### GR4 2-Way Ceiling Speaker

5 1/4-in polypropylene-cone woofer with rubber surround; 3/4-in pole-mounted polycarbonate-dome tweeter. Power handling 35 W max; FR 60 Hz-20 kHz; sens 90 dB; imp 8 ohms. Mounting diameter 7 1/4 in. Mounting depth 2 1/4 in. . . . . \$175/pr

### CRM100 Ceiling Speaker

6 1/2-in dual-voice-coil black plasticized-pulp cone with urethane surround; two 3/4-in pole-mounted polycarbonate-dome tweeters. Power handling 30 W max; FR 60 Hz-20 kHz; sens 88 dB; imp 8 ohms. Mounting diameter 9 1/4 in. Mounting depth 3 3/4 in. . . . . \$104

### GRM2 Ceiling Speaker

5 1/4-in full-range polypropylene driver with high-frequency cone. Power handling 35 W max; FR 75 Hz-17 kHz; sens 89 dB; imp 8 ohms. Mounting diameter 7 1/4 in. Mounting depth 2 1/4 in. . . . . \$88

## TR Series

The following have round frames and weather-resistant components and hardware.

### TR4000 2-Way In-Wall Speaker

6 1/2-in reinforced-glass-composite dual-voice-coil woofer with rubber surround and 1-in pivoting aluminum-dome tweeter. Power handling 80 W max; FR 38 Hz-20 kHz; sens 89 dB; imp 6 ohms. Mounting diameter 9 1/4 in. Mounting depth 3 3/4 in. . . . . \$599/pr

### TR3000 2-Way In-Wall Speaker

6 1/2-in polypropylene-cone dual-voice-coil woofer with urethane surround and 1-in pivoting cloth-dome tweeter. Power handling 65 W max; FR 40 Hz-20 kHz; sens 89 dB; imp 8 ohms. Mounting diameter 9 1/4 in. Mounting depth 3 3/4 in. . . . . \$399/pr

### TR2000 2-Way In-Wall Speaker

6 1/2-in polypropylene-cone woofer and 3/4-in pivoting ferrofluid-cooled polycarbonate-dome tweeter. Power handling 50 W max; FR 45 Hz-20 kHz; sens 89 dB; imp 8 ohms. Mounting diameter 9 1/4 in. Mounting depth 3 3/4 in. . . . . \$279/pr

### TR1000 2-Way In-Wall Speaker

Coaxial design with 6 1/2-in polypropylene-cone woofer and 3/4-in polycarbonate tweeter. Power handling 35 W max; FR 55 Hz-20 kHz; sens 88 dB; imp 8 ohms. Mounting diameter 9 1/4 in. Mounting depth 3 3/4 in. . . . . \$199/pr

## Mariner Series

The following are weather-resistant.

### Model 300 2-Way Outdoor Speaker

5-in carbon-fiber-cone woofer with rubber surround and 3/4-in aluminum-dome tweeter. Magnetic shielding. Power handling 80 W max; FR 55 Hz-20 kHz; sens 90 dB; imp 8 ohms. 7 1/2 x 11 x 7 1/4 in. . . . \$499/pr

### Model 200 2-Way Outdoor Speaker

5-in polypropylene-cone woofer with rubber surround and 3/4-in cloth-dome tweeter. Magnetic shielding. Power handling 70 W; FR 60 Hz-20 kHz; sens 89 dB; imp 8 ohms. 7 1/2 x 11 x 7 1/4 in. . . . \$379/pr

### Model 100 2-Way Outdoor Speaker

5-in polypropylene-cone woofer with urethane surround and 3/4-in polycarbonate dome tweeter. Magnetic shielding. Power handling 60 W max; FR 65 Hz-20 kHz; sens 88 dB; imp 8 ohms. 7 1/2 x 11 x 7 1/4 in. . . . . \$279/pr

### Mariner Jr. 20 Outdoor Speaker

4-in polypropylene-cone woofer with rubber surround; 3/4-in cloth-dome tweeter. Magnetic shielding. Includes pivoting bracket. Power handling 50 W max; FR 67 Hz-20 kHz; sens 87 dB; imp 8 ohms. 5 1/2 x 1 1/2 x 6 1/4 in. . . . . \$249

### Mariner Jr. 10 Outdoor Speaker

4-in polypropylene-cone woofer with urethane surround; 3/4-in polycarbonate-dome tweeter. Pivoting bracket. Power handling 50 W; FR 70 Hz-20 kHz; sens 87 dB; imp 8 ohms. 5 1/2 x 1 1/2 x 6 1/4 in. . . . . \$199

## SONIC GEM

The following use an acoustic-suspension design with 1-in impregnated soft-dome tweeter, damp-

ened enclosure cavity, and hand-soldered crossover. Custom finishes are available.

### Black Diamond 2-Way Speaker

Two 8-in woofers. Power handling 150 W; crossover point 3 kHz; FR 37 Hz-27 kHz; imp 6 ohms. Black lacquer finish. 15 x 30 x 8 in. . . . . \$995/pr

### Black Ruby 2-Way Speaker

8-in woofer. Power handling 150 W; crossover point 3.2 kHz; FR 40 Hz-27 kHz; imp 8 ohms. Black lacquer finish. 6 x 26 x 12 in. . . . . \$795/pr

**Black Pearl.** As above, bookshelf version. FR 50 Hz-22 kHz; imp 8 ohms. 10 x 14 x 8 in. . . . \$400/pr

### Music Monitor 2-Way Speaker

10-in woofer. Power handling 150 W; crossover point 2.5 kHz; FR 40 Hz-22 kHz; imp 8 ohms. Light oak finish. 15 x 26 x 11 in. . . . . \$500/pr

## SONY

### SS-DD100 Home Theater System

7-speaker system with two subwoofers; acoustic-suspension design center speaker with two 5-in woofers and one 3/4-in tweeter; two acoustic-suspension design front speakers, each with two 5-in woofers and one 3/4-in tweeter; two satellites, each with two 5-in woofers and one 3/4-in tweeter. Magnetic shielding. Power handling 200 W. Gray. Subwoofer: 10 X 25 x 19 1/2 in; 44 lb. Center: 17 x 8 x 9 1/2 in; 12 lb. Front: 17 x 8 x 9 1/2 in; 12 lb. Satellite: 17 x 8 x 9 1/2 in; 12 lb. . . . . \$3,000

### SS-DD50 Home Theater System

7-speaker system with two powered subwoofers, each with 8-in drivers and 100-W amps; bass-reflex design center speaker with 3-in woofer and 1-in tweeter; two bass-reflex design front speakers, each with 3-in woofer and 1-in tweeter; two satellites, each with 3-in woofer and 1-in tweeter. Magnetic shielding. Line- and speaker-level inputs. Wall mountable. Power handling 120 W. Black. Subwoofer: 10 x 15 x 19 1/2 in; 33 lb. Center: 17 x 4 1/4 x 2 1/2 in; 12 lb. Front: 17 x 4 1/4 x 2 1/2 in; 12 lb. Satellite: 17 x 4 1/4 x 2 1/2 in; 12 lb. . . . . \$2,000

### SS-M9 3-Way Speaker

Bass-reflex design with two 8-in mineral-filled polypropylene-cone woofers, one 5-in cone midrange, and one 1-in ferrofluid-cooled polymer-impregnated silk-dome tweeter. Faceted baffle; 1-in thick MDF cabinet walls and bracing. Line- and speaker-level inputs and outputs. Power handling 300 W; crossover point variable from 200 Hz-2.5 kHz; FR 29 Hz-23 kHz  $\pm$ 3 dB; sens 88.5 dB; imp 4 ohms. Cherry-wood or black finish. 5-yr warranty. 15 1/4 x 42 x 23 1/2 in; 145 lb. . . . . \$1,750

### SS-DD20 Home Theater System

7-speaker system with two powered subwoofers, each with 6 1/4-in drivers and 30-W amps; bass-reflex design center speaker with two 3-in woofers and one 1-in tweeter; two front and two satellite speakers, each with two 6 1/4-in drivers and bass-reflex design. Magnetic shielding. Line- and speaker-level inputs. Power handling 120 W front, center, and satellite. Gray. Subwoofer: 8 x 16 1/2 x 14 1/2 in; 18 lb. Center: 17 x 14 1/2 x 6 1/2 in. Front: 8 x 17 x 11 in; 17 lb. Satellite: 8 x 17 x 11 in; 17 lb. . . . . \$1,000

### SS-M3 2-Way Speaker

Acoustic-suspension design with 6 1/2-in cone woofer with butyl-rubber surrounds and 1-in dome tweeter. 1-in thick MDF cabinet walls and bracing; computer-optimized 24-dB crossover. Speaker stands optional. Power handling 120 W; crossover point 2 kHz; FR 70 Hz-20 kHz  $\pm$ 3 dB; sens 85 dB; imp 8 ohms. Cherry-wood veneer or black finish. 11 1/2 x 18 1/2 x 13 1/2 in; 29 lb. . . . . \$900/pr

### SS-M7A 3-Way Speaker

Acoustic-suspension design with 8-in mineral-filled polypropylene-cone woofer with butyl-rubber surround, 5-in cone midrange with butyl-rubber surround, and 1-in dome tweeter. 1-in thick

# Speakers

MDF cabinet. Line- and speaker-level inputs and outputs. Power handling 200 W; crossover point variable from 300 Hz-3 kHz; FR 45 Hz-22 kHz  $\pm$  3 dB; sens 86 dB; imp 6 ohms. Cherry-wood or black finish. 5-yr warranty. 15% x 29% x 16 in; 55 lb .....\$700

## SS-M1CN 2-Way Center Speaker

Acoustic-suspension design with 6 1/2-in cone woofer with butyl-rubber surround and 1-in fabric-silk dome tweeter. 1-in thick MDF cabinet. Power handling 150 W; crossover point 2.25 kHz; FR 50 Hz-22 kHz  $\pm$  3 dB; sens 89 dB; imp 6 ohms. Black wood veneer. 5-yr warranty. 7% x 20 x 10 1/4 in; 8 lb .....\$600

## SA-VE 150 Home Theater System

6-speaker system with subwoofer with 60-W amp; one center, two front, and two satellite speakers, each with bass-reflex design and 2 x 3/4 in woofer. Magnetic shielding. Wall mountable. Speaker stands optional. Power handling 120 W satellite. Black. Subwoofer: 8 x 15 1/4 x 14 1/2 in; 21 lb. Center: 12 x 2 1/2 x 5 1/4 in; 3 lb. Front: 2 1/2 x 6 x 5 in; 2 lb. Satellite 8 x 17 x 11 in; 17 lb .....\$480

## SS-U6033 3-Way Speaker

Acoustic-suspension design with 12-in long-throw woofer, 4-in cone midrange, and 1-in cone tweeter. Detachable grilles. Includes stripped speaker cable. Power handling 140 W; FR 35 Hz-20 kHz; sens 91 dB; imp 8 ohms. Black ash grained-vinyl finish. 15 x 26 1/2 x 11 1/2 in; 34 lb .....\$200/pr

## SS-U4033 3-Way Bookshelf Speaker

Acoustic-suspension design with 8-in long-throw woofer, 2-in cone midrange, and 1-in cone tweeter. Detachable grilles. Power handling 140 W; FR 50 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black ash grained-vinyl finish. 12 x 20 x 10 in; 14 lb ...\$140/pr

## SS-CN30 Center Speaker

Acoustic-suspension design with two 5-in cones. Magnetic shielding. Power handling 120 W. Gray. 17 x 5 1/4 x 6 1/2 in; 6 lb .....\$120

## SS-U3033 2-Way Bookshelf Speaker

Acoustic-suspension design with 6 1/2-in long-throw woofer and 2-in cone tweeter. Detachable speaker grilles. Includes stripped speaker cable. Power handling 60 W; FR 60 Hz-20 kHz; sens 89 dB; imp 8 ohms. Black ash grained-vinyl finish. 9 x 13 1/2 x 18 1/2 in; 11 lb .....\$120/pr

## SOUNDLIER

### THP-1 Subwoofer

Two 8-in drivers. Configurable for 4-ohm mono use. Power handling 100 W rms; FR 38-500 Hz; sens 90 dB; imp 8 ohms. High-gloss piano-black or white finish. 10 1/2 x 25 x 14 1/2 in .....\$574

### AS83A 3-Way In-Wall Speaker

8-in polypropylene woofer, 4-in polypropylene midrange, and 1-in soft-dome tweeter. 12-dB/oct crossover, moisture-proof components. Adjustable tweeter level. Power handling 50 W rms; crossover points 2.25 and 5 kHz; FR 45 Hz-20 kHz; sens 88 dB; imp 8 ohms. Paintable exterior .....\$522/pr

### THP-2 In-Floor/Ceiling Subwoofer

Two 8-in drivers. Can be installed between standard 16-in center floor/ceiling joists. Power handling 100 W rms; FR 50-170 Hz  $\pm$  3 dB; sens 96 dB; imp 8 ohms. 13 1/2 x 11 x 21 1/2 in .....\$462

### AS80A 2-Way In-Wall Speaker

8-in polypropylene woofer and 1-in soft-dome tweeter. 12-dB/oct crossover; moisture-proof components. Adjustable tweeter level. Power handling 30 W rms; crossover point 2.8 kHz; FR 50 Hz-20 kHz; sens 88 dB; imp 8 ohms. Paintable ...\$385/pr

### W150T 2-Way Outdoor Speaker

5 1/2-in carbon-fiber-reinforced polypropylene woofer and 1-in ferrofluid-cooled soft-dome tweeter.

Die-cast aluminum enclosure. Push-on connectors. 8-ohm selector switch. Includes U-shaped mounting bracket for multiple-position angling. 70.7-V transformer optional. Power handling 50 W; FR 75 Hz-20 kHz; sens 86 dB; imp 8 ohms. Black or cream. 6 1/2 x 9 x 6 1/2 in .....\$329

**AS130.** As above, 4-in carbon-fiber reinforced polypropylene woofer. Power handling 30 W; FR 95 Hz-20 kHz; sens 84 dB. Black or white. 7 1/4 x 4 3/4 x 4 1/2 in; 6 lb .....\$296

### AS62A 2-Way In-Wall Speaker

6 1/2-in woofer and 1-in soft-dome tweeter. Power handling 20 W rms; crossover point 2.5 kHz; FR 60 Hz-20 kHz; sens 86 dB; imp 8 ohms .....\$315/pr

### AS36C 2-Way Ceiling Speaker

6-in woofer and 1/2-in tweeter. 18-dB/oct crossover. Power handling 35 W rms; crossover point 4 kHz; FR 65 Hz-20 kHz  $\pm$  5 dB; sens 87.8 dB; imp 8 ohms. Recessed lighting-style grille with white trim ring .....\$273/pr

**AS26C.** As above, flush grille .....\$208/pr

### THP-3 In-Wall Subwoofer

8-in dual-voice-coil driver. TR-BX8 enclosure optional. Power handling 50 W rms; FR 45-500 Hz; sens 89 dB; imp 8 ohms. Paintable white finish. 5 lb. Rectangular frame. Mounting area: 9 x 13 1/4 in. Mounting depth 3 1/4 in .....\$255

### AS115 2-Way Outdoor Speaker

4-in treated woofer and 1-in tweeter. Plastic enclosure. Push-on connectors. 8-ohm selector switch. Includes U-shaped mounting bracket for multiple-position angling. Power handling 15 W; FR 140 Hz-14.3 Hz; sens 88 dB; imp 8 ohms. Black or white. 4 1/2 x 7 1/4 x 4 1/2 in; 5 lb .....\$199/pr

### AS60A 2-Way In-Wall Speaker

6 1/2-in polypropylene woofer and 2-in paper-cone tweeter. 6-dB/oct crossover; moisture-proof components. Power handling 10 W rms; crossover point 3.4 kHz; FR 60 Hz-15 kHz; sens 85 dB; imp 8 ohms. Paintable .....\$145/pr

## SOUND DYNAMICS

### RTS-P100 2-Way Powered Speaker

Bass-reflex design with three 6 1/2-in injection molded die-cast woofers with rubber surrounds and one 1-in laminated-dome tweeter; 100-W amp. Multilevel bracing. 2 pair gold-plated 5-way terminals; line-level input. Volume and frequency controls. Crossover point 2 kHz; FR 25 Hz-22 kHz; sens 94 dB; imp 8 ohms. 5-yr warranty. 10 x 42 x 15 in .....\$1,200/pr

### CD-5000 Home Theater System

6-speaker system with powered subwoofer with 8-in woofer; center speaker with two 3 1/2-in woofers and one 1/2-in tweeter; four satellites, each with two 3 1/2-in woofers and one 1/2-in tweeter. 5-way binding posts for satellite and center speakers; line- and speaker-level inputs for subwoofer. Phase control; EQ and volume control. Power handling 15 W min, 75 W max; crossover point 3 kHz; FR 120 Hz-20 kHz dB center, 29 Hz-100 kHz dB surround; sens 88 dB; imp 8 ohms. Black or white satellites. Subwoofer: 9 x 15 x 10 in. Center: 12 x 5 x 6 in. Satellite: 5 x 7 x 7 in .....\$800

### RTS-7 2-Way Speaker

Bass-reflex design with two 5 1/2-in injection-molded die-cast woofers with rubber surrounds and one 1-in dome tweeter. Multilevel bracing. 2 pair gold-plated 5-way binding terminals. Power handling 15 W min, 150 W max; crossover point 2 kHz; FR 42 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black ash or rosewood finish. 5-yr warranty. 10 x 35 x 11 in; 35 lb .....\$550/pr

**RTS-9.** As above, 6 1/2-in molded die-cast woofer with rubber surrounds and 1/2-in textile-dome tweeter. Power handling 180 W; FR 34 Hz-20 kHz; sens 92 dB. 10 x 38 x 14 in; 44 lb .....\$700/pr

**RTS-11.** As above, three 6 1/2-in molded die-cast

woofers with rubber surrounds and one 1-in textile-dome tweeter. Damping and gain controls. Power handling 250 W; FR 30 Hz-20 kHz; sens 94 dB. 10 x 42 x 15 in; 50 lb .....\$950/pr

### RTS-5 2-Way Speaker

Bass-reflex design with 6 1/2-in molded die-cast woofer with rubber surrounds and 1/2-in textile dome tweeter. Multilevel bracing. Gold-plated 5-way terminals. Power handling 15 W min, 100 W max; crossover point 2 kHz; FR 45 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black ash or rosewood. 5-yr warranty. 10 x 33 x 11 in; 32 lb .....\$450/pr

**RTS-3 2-Way.** As above, bookshelf version. Crossover point 2.5 kHz; FR 47 Hz-20 kHz; sens 89 dB. 9 x 14 x 9 in; 11 lb .....\$280/pr

**RTS-1.** As above, 5 1/2-in molded die-cast woofer with rubber surrounds. Power handling 80 W max; FR 55 Hz-20 kHz. Black or white. 8 x 11 x 8 in; 8 lb .....\$200/pr

### RTS-RS1 2-Way Bipolar Surround Speaker

Acoustic-suspension design with two 4 1/2-in molded die-cast woofers with surrounds and one 1/2-in dual-flared-dome tweeter. Gold-plated 5-way binding posts. Power handling 15 W min, 80 W max; crossover point 2.5 kHz; FR 70 Hz-20 kHz; sens 99 dB; imp 8 ohms. Black. 5-yr warranty. 18 x 6 x 9 in; 11 lb .....\$330/pr

### RTS-C2 2-Way

#### Satellite/Center-Channel Speaker

Bass-reflex design with two 5 1/2-in molded die-cast woofers with rubber surrounds and one 1-in dual-flared dome tweeter. Magnetic shielding. Gold-plated 5-way terminals. Power handling 15 W min, 120 W max; crossover point 2 kHz; FR 47 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black. 5-yr warranty. 21 x 7 x 11 in; 23 lb .....\$300/pr

### RTS-C1 2-Way Center-Channel Speaker

Bass-reflex design with two 4 1/2-in molded die-cast woofer with rubber surrounds and one 1/2-in dual-flare dome tweeter. Magnetic shielding. Gold-plated 5-way binding posts. Power handling 15 W min, 100 W max; crossover point 2.5 kHz; FR 60 Hz-20 kHz; sens 88 dB; imp 8 ohms. Black. 5-yr warranty. 18 x 6 x 9 in; 11 lb .....\$200

### CS-1000 2-Way Center-Channel Speaker

Acoustic-suspension design with two 3 1/2-in graphite woofers with rubber surrounds and one 1/2-in dual-flare dome tweeter. Magnetic shielding. 5-way terminals. Power handling 15 W min, 75 W max; FR 120 Hz-20 kHz; sens 88 dB; imp 8 ohms. Black. 5-yr warranty. 12 x 5 x 6 in; 5 lb .....\$150

**CS-2000.** As above, satellite/center-channel version. One 3 1/2-in graphite woofer with rubber surround. Black or white. 5 x 7 x 5 in; 3 lb .....\$90

### Powered Subwoofers

The following have a phase control, line- and speaker-level inputs, and a black finish.

#### THS-4000v Powered Subwoofer

15-in driver; 150-W amp. Line- and speaker-level outputs. Active EQ; volume control; A/V switch. FR 22-150 Hz. 21 x 21 x 21 in; 72 lb .....\$850

#### THS-3000 Powered Subwoofer

Bass-reflex design with 12-in downward-firing woofer; amp rated at 150 W. Protection circuitry. Speaker-level output. Level control; adjustable low-pass filter; E/Q control. FR 22-150 Hz ...\$600

**THS-2000.** As above, 10-in front-firing driver. Amp rated at 100 W. FR 28-150 Hz .....\$400

**THS-1000.** As THS-2000N, 8-in driver. FR 37-150 Hz .....\$300

## SOUND LAB

Except for the Dynastat, the following have plastic electrostatic panels and 3-band equalizers.

### Ultimate-1 Electrostatic Speaker

90° horizontal dispersion; steel frame; silver inter-

# Speakers

connect cable. Power handling 100 W min, 500 W max; FR 26 Hz-22 kHz  $\pm 3$  dB; sens 86 dB; imp 8 ohms. 38 x 82 x 11 in; 210 lb .....\$27,000/pr

## A-1 Electrostatic Speaker

90° horizontal dispersion. Power handling 100 W min, 400 W max; FR 28 Hz-22 kHz  $\pm 3$  dB; sens 86 dB; imp 8 ohms. 36 x 81 x 10 in; 185 lb ...\$13,250/pr

## A-3 Electrostatic Speaker

75° horizontal dispersion. Power handling 100 W min, 350 W max; FR 30 Hz-22 kHz  $\pm 3$  dB; sens 86 dB; imp 8 ohms. 31 x 74 x 9 in; 145 lb ...\$9,650/pr

## Aura Electrostatic Speaker

60° horizontal dispersion. Power handling 100 W min, 300 W max; FR 30 Hz-22 kHz  $\pm 2$  dB; sens 88 dB; imp 8 ohms. 68 x 26 x 7 in; 145 lb ...\$6,500/pr

## Dynastat 2-Way Electrostatic Speaker

Hybrid design with 10-in woofer and electrostatic tweeter. 90° horizontal dispersion. Continuously adjustable woofer level; brilliance adjustment. Power handling 50 W min, 150 W max; crossover point 250 Hz; FR 27 Hz-22 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. 17 x 72 x 3 in; 78 lb .....\$3,390/pr  
**Quantum.** As above, 8-in cone woofer. FR 38 Hz-22 kHz  $\pm 3$  dB. 14 x 53 x 3 in; 53 lb ...\$2,250/pr

## SOUND QUEST

### ASW8 Ci In-Wall Powered Subwoofer

Acoustic-suspension design with 8-in long-throw woofer; 120-W amp. 18 dB/oct crossover with selectable line-level high-pass at 50, 75, and 110 Hz. Line-level inputs and outputs. Phase control. Includes external power supply. Crossover point variable from 35-150 Hz; FR 35-150 Hz  $\pm 3$  dB; sens 88.5; imp 8 ohms. Paintable matte-white finish. Square frame. Mounting diameter 1 1/4 in. Mounting depth 3/4 in .....\$800/pr

## SOURCE

The following carry a 7-year warranty.

### Model 710 3-Way Speaker

Bass-reflex design with one 8-in treated-paper woofer, one 7-in carbon-fiber midrange, and three 1-in silk-dome tweeter. Proprietary cabinet construction with interior mineral-polymer coating. 2 sets of 5-way binding posts. Includes brass-support cones. Power handling 350 W; crossover points 100 Hz and 1.7 kHz; FR 25 Hz-20 kHz  $\pm 2$  dB; sens 88 dB; imp 8 ohms. Cherry or maple finish. 9 x 45 x 15 in; 90 lb .....\$4,450/pr

### Model 277 2-Way Front Speaker

Bass-reflex design with two 7-in treated-paper-cone woofer and one 1-in silk-dome tweeter. Cross-correlated midchamber with cross bracing; interior coated with mineral polymer. 2 sets of 5-way binding posts. Includes brass cones. Power handling 350 W; crossover points 100 Hz and 2 kHz; FR 28 Hz-20 kHz  $\pm 2$  dB; sens 89 dB; imp 6 ohms. Maple, cherry, oak, or teak finish. 9 x 42 x 10 in; 85 lb .....\$2,950/pr

### Model 610 2-Way Speaker

Bass-reflex design with 7-in carbon-fiber midrange and 1-in silk-dome tweeter. Proprietary cabinet construction with interior mineral-polymer coating. 2 sets of 5-way binding posts. Power handling 250 W; crossover point 1.7 kHz; FR 30 Hz-20 kHz  $\pm 2$  dB; sens 88; imp 8 ohms. Cherry or maple finish. 9 x 39 x 11 in; 75 lb .....\$2,450/pr

### Model 1.7FS 2-Way Speaker

Bass-reflex design with 7-in treated-paper-cone woofer and 1-in silk-dome tweeter. Cross-correlated midchambers; Interior coated with mineral-polymer; proprietary crossover. 5-way binding posts. Includes brass cones. Power handling 250 W; crossover point 1.7 kHz; FR 35 Hz-20 kHz  $\pm 2$  dB; sens 88 dB; imp 8 ohms. Oak, cherry, or teak finish. 9 x 42 x 10 in; 70 lb .....\$1,995/pr

### Model 1.5D 2-Way Bookshelf Speaker

Bass-reflex design with 5-in polypropylene-cone woofer and 3/4-in silk-dome tweeter. Proprietary cabinet construction with interior mineral-polymer coating. 5-way binding posts. Includes isolation bumpers. Power handling 200 W; crossover point 2.1 kHz; FR 45 Hz-20 kHz  $\pm 2$  dB; sens 88 dB; imp 5 ohms. Maple, cherry, or teak finish. 7 x 12 x 9 in; 21 lb .....\$1,500/pr

### RC-2FS 3-Way Speaker

Bass-reflex design with one 6-in woofer, two 4-in mdranges, and one 3-in top-firing cone tweeter. Diffuse field design with front and adjacent drive units. 5-way binding posts. High-frequency switch; mirror-imaging. Includes brass cones. Power handling 250 W; crossover points 150 Hz and 4 kHz; FR 50 Hz-12 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. White or black gloss. 5 x 42 x 11 in; 45 lb .....\$795/pr

### SCC 2-Way Center-Channel Speaker

Bass-reflex design with two 6-in cast-frame treated-cone woofers with one 1-in silk-dome tweeter. Magnetic shielding; 3-slotted front flared back from center point. 5-way binding-posts. High-frequency switch. Includes rubber feet. Power handling 200 W; crossover point 2 kHz; FR 45 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 5 ohms. Black gloss, oak, or cherry. 23 x 9 x 11 in; 27 lb .....\$695  
**ESC.** As above, two 5-in cast-frame treated-cone woofers with one 3/4-in tweeter. Power handling 150 W; crossover point 2.2 kHz; FR 55 Hz-10 kHz  $\pm 3$  dB. Black gloss. 19 x 7 x 10 in; 23 lb .....\$595  
**CC-2V.** As above, slanted front panel, FR 60 Hz-20 kHz  $\pm 3$  dB. 20 x 6 x 10 in; 23 lb .....\$495

### CC-2S 2-Way Center-Channel Speaker

Bass-reflex design with two 5-in woofers and one 3/4-in tweeter. Magnetic shielding; slanted front panel. 5-way binding posts. Adjustable L pad for tweeter. Includes rubber feet. Power handling 150 W; crossover point 2.5 kHz; FR 70 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black gloss. 20 x 6 x 10 in; 21 lb .....\$395

### RC-1B 2-Way Surround Speaker

Acoustic-suspension design with two 4-in woofers and one 3-in top-firing tweeter. Diffuse field design with front and adjacent drive units. 1 set of 5-way binding-posts. High-frequency switch; mirror-imaging. Includes rubber feet and wall anchors. Power handling 100 W; crossover point 4 kHz; FR 70 Hz-10 kHz; sens 89 dB; imp 8 ohms. White, black, or oak. 5 x 9 x 5 in; 12 lb .....\$379/pr

## SPEAKER ART

### Super Clef 2-Way Bookshelf Speaker

Vented design with one 8-in polypropylene woofer with rubber-surround 2-in voice-coil and 48 oz magnet; one 1-in damped low-resonance fabric-dome tweeter. Asymmetrical 4th-order crossover; 1 1/2-in friction damped panels; ladder braced. 5-way binding posts and banana jacks. Power handling 200 W max; crossover point 1.6 kHz; FR 32 Hz-22 kHz  $\pm 3$  dB; sens 88 dB; imp 6 or 8 ohms. Striped mahogany. 6-yr limited warranty. 10 1/2 x 21 1/2 x 13 in; 51 lb .....\$1,800/pr

## SPEAKERCRAFT

The following are weather resistant, available with either cloth or metal grilles, and carry a lifetime warranty.

### WS550 2-Way Outdoor Speaker

Two 5 1/2-in polypropylene woofers and one 1-in pivoting ferrofluid-cooled cloth-dome tweeter. Includes mounting bracket. Power handling 80 W; FR 50 Hz-20 kHz; sens 91 dB; imp 4 ohms. White or dark granite. 8 1/2 x 16 x 7 1/2 in .....\$580/pr  
**WS540.** As above, 3/4-in tweeter. Power handling 70 W; FR 60 Hz-20 kHz .....\$460/pr

### Model 6.5LCR 2-Way Center-Channel Speaker

Two 6 1/2-in mineral-filled polypropylene woofers

and one pivoting 1-in cloth-dome tweeter. Magnetic shielding. Adjustable bass and treble. Power handling 100 W; FR 40 Hz-20 kHz; sens 90 dB; imp 8, 6, or 4 ohms. Black oak. 22 1/4 x 7 1/4 x 9 1/4 in .....\$499

### WS520 2-Way Outdoor Speaker

5 1/4-in polypropylene woofer and 1-in pivoting ferrofluid-cooled cloth-dome tweeter. Includes mounting bracket. Power handling 60 W; FR 70 Hz-20 kHz; sens 90 dB; imp 8 ohms. White or dark granite. 7 1/4 x 11 1/2 x 5 1/4 in .....\$400/pr  
**WS510.** As above, 3/4-in tweeter. Power handling 50 W; FR 80 Hz-20 kHz; sens 91dB .....\$310/pr

### Model 6.1LCR 2-Way Center-Channel Speaker

Two 6 1/2-in polypropylene woofers and one pivoting 1-in cloth-dome tweeter. Magnetic shielding. Power handling 80 W; FR 50 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black oak. 21 1/4 x 7 1/4 x 9 1/4 in ...\$299

## In-Wall Speakers

The following have rectangular frames.

### Model 8.5MIT 3-Way In-Wall Speaker

8-in braided glass-fiber woofer with dual-voice-coils, pivoting 2-in cloth-dome midrange, and pivoting 3/4-in titanium liquid-cooled tweeter. Adjustable EQ for bass, midrange, and treble. Includes proprietary wall-dampening system. Power handling 160 W; FR 30 Hz-22 kHz; sens 90 dB; imp 4, 6, or 8 ohms. Mounting area: 10% x 15% in. Mounting depth 3/4 in .....\$1,325/pr

### Model 8.3MIT 3-Way In-Wall Speaker

8-in mica-filled polypropylene woofer, pivoting 3-in mica-filled polypropylene midrange, and pivoting 3/4-in silk-dome tweeter. Adjustable bass and midrange. Power handling 125 W; FR 38 Hz-20 kHz; sens 90 dB; imp 4, 6, or 8 ohms. Mounting area: 10% x 16% in. Mounting depth 3/4 in .....\$799/pr

### Model 6.5MIT 2-Way In-Wall Speaker

6 1/2-in mica-filled-polypropylene dual-voice-coil driver and 1-in pivoting ferrofluid-cooled cloth-dome tweeter. Bass and treble adjustable  $\pm 3$  dB; 6-screw installation. Power handling 100 W; FR 40 Hz-20 kHz; sens 90 dB; imp 4, 6, or 8 ohms. Mounting area: 8 1/4 x 12 in. Mounting depth 3 in .....\$465/pr

**Model 6.2MIT.** As above, 6 1/2-in polypropylene dual-voice-coil driver. Power handling 80 W; FR 45 Hz-20 kHz; imp 4 or 8 ohms .....\$370/pr

### Model 6.1MIT 2-Way In-Wall Speaker

6 1/2-in polypropylene driver and pivoting 1-in ferrofluid-cooled cloth-dome tweeter. 6-screw installation. Power handling 60 W; FR 50 Hz-20 kHz; sens 92 dB; imp 8 ohms. 8 1/4 x 12 x 3 in ...\$245/pr

### SC662FL 2-Way In-Wall Speaker

6 1/2-in polypropylene driver and 1/2-in ferrofluid-cooled dome tweeter. 4-screw installation. Power handling 90 W; FR 45 Hz-20 kHz; sens 92 dB; imp 8 ohms. Mounting area: 8 1/2 x 11 1/2 in. Mounting depth 3 in .....\$188/pr  
**SC652FL.** As above, power handling 70 W; FR 50 Hz-20 kHz .....\$146/pr

### SC552FL 2-Way In-Wall Speaker

5 1/4-in polypropylene woofer and 1/2-in ferrofluid-cooled dome tweeter. 4-screw installation. Power handling 80 W; FR 60 Hz-20 kHz; sens 92 dB; imp 8 ohms. 7 1/2 x 10 1/2 x 3 in .....\$178/pr  
**SC542FL.** As above, power handling 50 W; FR 70 Hz-20 kHz .....\$136/pr

### SC600FL 2-Way In-Wall Speaker

6 1/2-in polypropylene driver and 2-in cone tweeter. 4-screw installation. Power handling 60 W; FR 60 Hz-18 kHz; sens 90 dB; imp 8 ohms. Mounting area: 8 1/4 x 12 in. Mounting depth 3 in ...\$122/pr

## Ceiling Speakers

### Model 8.5CRS 2-Way Ceiling Speaker

8-in mica-filled-polypropylene dual-voice-coil driver and 1-in ferrofluid-cooled cloth-dome tweeter

# Speakers

mounted on WavePlane baffle. 4-screw installation; adjustable bass and treble  $\pm 3$  dB. Power handling 100 W; FR 30 Hz-20 kHz; sens 90 dB; imp 4, 6, or 8 ohms. Round frame. Mounting diameter: 12 in. Mounting depth 3 3/4 in. . . . \$560/pr  
**Model 8.2CRS.** As above, 3/4-in pivoting ferrofluid-cooled dome tweeter mounted on WavePlane baffle. FR 35 Hz-20 kHz . . . . \$450/pr

## Model 6.5CRS 2-Way Ceiling Speaker

6 1/2-in mica-filled-polypropylene dual-voice-coil driver and 1-in pivoting ferrofluid-cooled cloth-dome tweeter mounted on WavePlane baffle. 4-screw installation; adjustable bass and treble  $\pm 3$  dB. Power handling 80 W; FR 40 Hz-20 kHz; sens 90 dB; imp 4, 6, or 8 ohms. Round frame. Mounting diameter: 9 1/2 in. Mounting depth 3 3/4 in. . . . \$405/pr

## Model 8.2BAS Ceiling Subwoofer

8-in injection-molded-graphite dual-voice-coil driver. Front-panel 0°/180° phase switch; 4 screw-installation. Power handling 100 W; crossover points 80 or 120 Hz; FR 30-80 Hz or 30-120 Hz; sens 90 dB; imp 8 ohms. Round frame. Mounting diameter: 12 in. Mounting depth 3 3/4 in. . . . \$318  
**Model 8.1BAS.** As above, 8-in polypropylene dual-voice-coil driver. Sens 89 dB . . . . \$225

## Model 6.2CRS 2-Way Ceiling Speaker

6 1/2-in polypropylene dual-voice-coil driver and 3/4-in pivoting ferrofluid-cooled dome tweeter mounted on WavePlane baffle. 4-screw installation; adjustable bass and treble  $\pm 3$  dB. Power handling 60 W; FR 45 Hz-20 kHz; sens 92 dB; imp 4, 6, or 8 ohms. Round frame. Mounting diameter: 9 1/2 in. Mounting depth 3 3/4 in. . . . \$275/pr

## Model 6.1CRS 2-Way Ceiling Speaker

6 1/2-in polypropylene driver and pivoting 3/4-in ferrofluid-cooled dome tweeter. 4-screw installation. Power handling 50 W; FR 70 Hz-20 kHz; sens 91 dB; imp 8 ohms. Rectangular frame. Mounting area: 9 3/4 x 3 3/4 in. . . . \$207

## Model 5.2R 2-Way Ceiling Speaker

5 1/4-in polypropylene driver and 3/4-in dome ferrofluid-cooled tweeter. 4-screw installation. Power handling 50 W; FR 60 Hz-20 kHz; sens 89 dB; imp 8 ohms. Resembles ceiling lighting fixtures. Round frame. Mounting diameter: 7 1/4 in. Mounting depth 3 3/4 in. . . . \$149/pr

## Model 6.1DT 2-Way Ceiling Speaker

One 6 1/2-in polypropylene woofer with dual-voice-coils and two 1/2-in polyamide-dome liquid-cooled tweeters. Stereo sound from one speaker. Power handling 60 W; FR 60 Hz-20 kHz  $\pm 4$  dB; sens 91 dB; imp 8 ohms. Round frame. Mounting diameter 9 3/4 x 3 3/4 in. Mounting depth 3 3/4 in. . . . \$145  
**Model 6.0DT.** As above, 4-screw installation. Mounting diameter 8 3/4 in. . . . \$113

## Model 5.1R Ceiling Speaker

Dual-cone 5 1/4-in woofers. Power handling 50 W; FR 60 Hz-15 kHz; sens 89 dB; imp 8 ohms. Round frame. Mounting depth 2 1/2 in. . . . \$120/pr

## SPEAKERLAB

The following have a 3/4-in MDF cabinet with oiled-oak veneer and carry a 5-year warranty.

## SL-7.1 4-Way Speaker

Bass-reflex design with 12-in woofer, 10-in woofer, 6 1/2-in midrange, and 1-in polypropylene-dome tweeter. Power handling 275 W; crossover points 180 Hz, 350 Hz and 5 kHz; FR 25 Hz-21 kHz; sens 94 dB; imp 4 ohms. Hardwood trim. 38 1/2 x 14 x 16 in; 82 lb . . . . \$1,149/pr  
 As above, kit version . . . . \$880/pr

## SL-5.1 3-Way Speaker

Bass-reflex design with 8-in woofer, 6 1/2 midrange, and 1-in polypropylene-dome tweeter. Power handling 175 W; crossover points 180 Hz and 2.5 kHz;



StereoStone Gibraltar Rock outdoor speaker

FR 30 Hz-21 kHz; sens 92 dB; imp 4 ohms. Hardwood trim. 32 x 11 1/4 x 13 1/2 in; 49 lb . . . . \$765/pr  
 As above, kit version . . . . \$590/pr

## SL-4.1 2-Way Bookshelf Speaker

Bass-reflex design with two 6 1/2-in woofers and one 1-in aluminum-dome tweeter. Power handling 150 W; crossover point 2.5 kHz; FR 35 Hz-21 kHz; sens 91 dB; imp 4 ohms. Hardwood trim. 32 x 10 x 12 1/4 in; 40 lb . . . . \$599/pr  
 As above, kit version . . . . \$470/pr

## SL-3.1 2-Way Bookshelf Speaker

Acoustic-suspension design with 6 1/2-in woofer and 3/4-in polypropylene-dome tweeter. Power handling 110 W; crossover point 2.5 kHz; FR 45 Hz-21 kHz  $\pm 3$  dB; sens 86 dB; imp 4 ohms. Hardwood trim. 15 1/2 x 9 1/2 x 11 in; 21 lb . . . . \$395/pr  
 As above, kit version . . . . \$300/pr

## SL-SW Subwoofer

Bass-reflex design with 10-in dual-voice-coil driver. 4 inputs. Power handling 150 W; crossover point 180 Hz; FR 35-180 Hz; sens 91 dB; imp 8 ohms. 14 x 23 x 16 in; 43 lb . . . . \$349  
 As above, kit version . . . . \$240

## SL-C 2-Way Center-Channel Speaker

Acoustic-suspension design with two 6 1/2-in woofers and one 3/4-in polypropylene-dome tweeter. Magnetic shielding. Power handling 100 W; crossover point 2.5 kHz; FR 42 Hz-21 kHz; sens 90 dB; imp 4 ohms. 8 3/4 x 23 1/4 x 10 1/4 in; 25 lb . . . . \$329  
 As above, kit version . . . . \$260

## SL-2.1 2-Way Bookshelf Speaker

Bass-reflex design with 5 1/4-in woofer and 3/4-in polypropylene-dome tweeter. Power handling 75 W; crossover point 2.5 kHz; FR 50 Hz-21 kHz  $\pm 3$  dB; sens 88 dB; imp 8 ohms. Hardwood trim. 13 1/4 x 9 3/4 x 9 3/4 in; 15 lb . . . . \$260/pr  
 As above, kit version . . . . \$200/pr

## STATUS ACOUSTICS

### Titus 3-Way Speaker

Bass-reflex design with six 10-in aluminum cone woofers, two 6 1/2-in aluminum cone midranges, and one 1-in silk dome tweeter. Isobaric driver configuration. 3 sets gold-plated 5-way binding posts. Power handling 500 W; crossover points 50 Hz and 2.5 kHz; FR 18 Hz-20 kHz; sens 90 dB; imp 4 ohms. 12 3/4 x 63 1/2 x 23 1/2 in; 145 lb . . . \$19,500/pr

### Atlas 3-Way Speaker

One 12-in slide-firing aluminum-cone woofer, two 6 1/2-in aluminum-cone midranges with phase unplug, and 1-in silk-dome tweeter. Gold-plated 5-way binding posts. Power handling 250 W; crossover points 150 Hz and 2.5 kHz; FR 27 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 4 ohms. 8 1/4 x 50 x 17 in; 122 lb . . . . \$7,995/pr

## Nemesis Subwoofer

Bass-reflex design with four 10-in aluminum-cone drivers. Isobaric driver configuration. Gold-plated 5-way binding posts. Power handling 400 W; FR 20-200 Hz; sens 88 dB; imp 4 ohms. 12 3/4 x 46 x 23 1/2 in; 130 lb . . . . \$4,995/pr

## Mediette 2-Way Speaker

Bass-reflex design with two 6 1/2-in aluminum-cone woofers and one 1-in silk-dome tweeter. Gold-plated 5-way binding posts. Power handling 200 W; crossover point 2.5 kHz; FR 55 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 4 ohms. 5-yr warranty. 8 1/4 x 22 1/4 x 11 1/4 in; 45 lb . . . . \$3,995/pr

## Decimo 2-Way Minispeaker

Bass-reflex design with 6 1/2-in aluminum-cone woofer with rubber surround and 1-in silk-dome tweeter. Gold-plated 5-way binding posts. Phase control. Power handling 150 W; crossover point 2.5 kHz; FR 55 Hz-20 kHz; sens 87 dB; imp 8 ohms. 5-yr warranty. 8 1/4 x 15 x 9 1/4 in; 30 lb . . . . \$2,995/pr

## STEREOSTONE

The following are camouflaged as rocks and carry limited lifetime warranties to the original purchaser. Options include 25- or 70-V line transformers, 72-W mono or stereo 12-step volume attenuation and custom color matching.

### Stereo Sub-Rock Outdoor Subwoofer

Two 10-in woofers. Dual inputs with dual low-pass filters. Power handling 250 W rms; FR 55 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. 22 x 19 x 22 in; 60 lb . . . . \$695

### Stereo Rock 2-Way Outdoor Speaker

Two 8-in santoprene woofers and two 3/4-in dome tweeters. Power handling 100 W; FR 38 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. 11 x 19 x 20 in; 55 lb . . . . \$650

**Stereo Rock/250.** As above, power handling 250 W . . . . \$900

**Stereo Stone.** As Stereo Rock, speaker/fountain version. includes 110-V water pump. 22 x 19 x 20 in; 60 lb . . . . \$650

**Stereo Stone/250.** As above, power handling 250 W . . . . \$900

### Gibraltar Rock 2-Way Outdoor Speaker

8-in santoprene cone woofer and 3/4-in dome tweeter. Power handling 100 W; FR 38 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. 20 x 15 x 15 in; 39 lb . . . . \$500

**Gibraltar Rock/250.** As above, power handling 250 W . . . . \$650

**Corner Stone.** As Gibraltar Rock, 8-in santoprene woofer. 19 x 11 x 15 in; 39 lb . . . . \$430

**Corner Stone/250.** As above, power handling 250 W . . . . \$605

**Yosemite Stone.** As Corner Stone, 19 x 15 x 12 in; 39 lb . . . . \$130

**Yosemite Stone/250.** As above, power handling 250 W . . . . \$605

### Omni Stone 2-Way Outdoor Speaker

8-in woofer and 3/4-in dome tweeter. Power handling 100 W; FR 38 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms. 19 x 17 x 12 in; 35 lb . . . . \$400  
**Omni Stone/250.** As above, power handling 250 W . . . . \$575

### Classic Stone 2-Way Outdoor Speaker

6 1/2-in woofer and 1/2-in dome tweeter. Power handling 100 W; FR 55 Hz-20 kHz  $\pm 3$  dB; sens 89 dB; imp 8 ohms. 19 x 10 x 12 in; 30 lb . . . . \$300  
**Classic Stone/250.** As above, power handling 250 W . . . . \$425

**Sierra Stone.** As Classic Stone, 15 x 11 x 11 in; 22 lb . . . . \$300

**Sierra Stone/250.** As above, power handling 250 W . . . . \$425

**Palos Verdes 2-Way In-Wall/In-Ground Outdoor Speaker.** As Classic Stone speaker, 17 1/2 x 11 1/2 x 4 1/2 in . . . . \$180

# Speakers

**Palos Verdes/250.** As above, power handling 250 W .....\$279

## Sierra Jr. 2-Way Outdoor Speaker

6½-in santoprene woofer and ½-in tweeter. Power handling 75 W; FR 70 Hz-20 kHz ±3 dB; sens 89 dB; imp 8 ohms. 15 x 11 x 11 in; 22 lb .....\$150  
**Sierra Jr./250.** As above, 250 W .....\$300

## SUNFIRE

### True Subwoofer MKII Powered Subwoofer

Two 8-in drivers; amp rated at 2,700 W. Line- and speaker-level inputs. Crossover point variable from 35-100 Hz; FR 18-120 Hz +0, -3 dB. 11 x 11 x 11 in; 45 lb .....\$1,299

## SYMPHONIC LINE

The following have a mother-of-pearl finish with wood finishes available. They carry a 5-year warranty.

### Belcanto 4-Way Speaker

Two 8-in aluminum-foil woofers, one 6-in aluminum-foil midrange, one ¾-in soft-dome tweeter, and one ¾-in dome supertweeter. Includes platform. Power handling 50 W; FR 23 Hz-24 kHz; sens 89 dB; imp 8 ohms. 10 x 45 x 22 in; 300 lb .....\$21,000

### Legato 2-Way Speaker

Bass-reflex design with 6½-in textile woofer and ¾-in soft-dome tweeter. 1 pair binding posts. Power handling 40 W; FR 30 Hz-21 kHz; sens 90 dB; imp 8 ohms. 8 x 40 x 12 in; 80 lb .....\$5,600

## TADDEO

### Golden Voice 2-Way Speaker

Transmission-line design with three 6½-in magnesium-alloy woofers, four 1-in soft-dome tweeters, and four 2½-in filter matrix radiators. Patented mldtweeter matrix array. Power handling 300 W rms; sens 93 dB; imp 4 ohms. 9 x 52 x 22 in .....\$5,495/pr

## TANNOY

Tannoy's Dual Concentric drivers have integral, center-mounted tweeters. Each model carries a 5-year warranty.

### Churchill 2-Way Speaker

Bass-reflex design with 15-in woofer and 1-in Dual Concentric tweeter. Includes floor stand. Power handling 500 W; crossover point 1 kHz; FR 32 Hz-20 kHz ±3 dB; sens 97 dB; imp 8 ohms. Rosewood or cherry veneer. 22 x 49 x 22 in; 180 lb .....\$14,000/pr

## Definition Series

The following use a bass-reflex design.

### D900 3-Way Speaker

12-in woofer; 12-in midrange with 1-in Dual Concentric tweeter. Includes floor stand. Power handling 300 W; crossover points 400 Hz and 1.2 kHz; FR 28 Hz-30 kHz ±3 dB; sens 96 dB; imp 6 ohms. Rosewood or cherry veneer. 17 x 45 x 18 in; 130 lb .....\$9,000/pr

### D700.

As above, 10-in woofer and 10-in midrange. Power handling 200 W; crossover points 400 Hz and 1.5 kHz; FR 35 Hz-30 kHz ±3 dB; sens 95 dB. 15 x 39 x 14 in; 90 lb .....\$5,300/pr

### D500.

As above, 8-in woofer and 8-in midrange. Power handling 175 W; crossover points 400 Hz and 1.7 kHz; FR 37 Hz-30 kHz ±3 dB; sens 93 dB. 12 x 37 x 13 in; 62 lb .....\$3,800/pr

### D750 3-Way Center-Channel Speaker

Two 8-in woofers and 8-in midrange with 1-in Dual Concentric tweeter. Magnetic shielding. Power handling 200 W; FR 45 Hz-30 kHz ±3 dB; sens 92 dB; imp 6 ohms. Rosewood or cherry side panels. 32 x 10 x 16 in .....\$2,400

### PS 115 Powered Subwoofer

15-in woofer; 125-W amp. RCA line-level input. FR 33-130 Hz. 20 x 18 x 20 in; 53 lb .....\$1,250

## Saturn Series

The following have a black-ash vinyl finish.

### S10 3-Way Speaker

Bass-reflex design with 10-in polypropylene woofer and 10-in midrange with coaxially mounted 1-in alloy tweeter. Power handling 200 W; crossover points 400 Hz and 1.5 kHz; FR 29 Hz-20 kHz ±3 dB; sens 93 dB; imp 6 ohms. 12 x 44 x 14 in; 33 lb .....\$2,100/pr

### S8.

As above, 8-in polypropylene woofer and 8-in midrange. Power handling 175 W; crossover points 400 Hz and 1.7 kHz; FR 30 Hz-20 kHz ±3 dB; sens 91 dB. 10 x 38 x 12 in; 30 lb .....\$1,500/pr

### S6.

As above, 6-in polypropylene woofer and 6-in midrange. Power handling 120 W; crossover points 400 Hz and 1.8 kHz; FR 31 Hz-20 kHz ±3 dB; sens 90 dB. 8 x 34 x 12 in; 27 lb .....\$1,200/pr

### S8LCR 2-Way Bookshelf Speaker

Coaxial bass-reflex design with 8-in polypropylene woofer and 1-in alloy tweeter. Magnetic shielding. Power handling 150 W; crossover point 1.7 kHz; FR 50 Hz-20 kHz ±3 dB; sens 90 dB; imp 8 ohms. 18 x 10 x 11 in; 17 lb .....\$600

### S6CLR.

As above, 6-in polypropylene woofer. Power handling 125 W; crossover point 1.8 kHz; FR 60 Hz-20 kHz ±3 dB; sens 89 dB. 15 x 8 x 11 in; 14 lb .....\$450

## Mercury Series

The following use a bass-reflex design and 1-in silk-dome tweeter.

### M5 3-Way Speaker

8-in paper-cone woofer, 8-in midrange. Power handling 120 W; crossover point variable from 400 Hz-2.5 kHz; FR 32 Hz-20 kHz ±3 dB; sens 92 dB; imp 6 ohms. Black ash vinyl. 10 x 38 x 11 in; 30 lb .....\$900/pr

### M4.

As above, 6-in woofer and midrange. Power handling 100 W; sens 91 dB. 8 x 34 x 11 in; 25 lb .....\$700/pr

### M3 2-Way Speaker.

6½-in paper-cone woofer. Floor stand. Power handling 90 W; crossover point 2.5 kHz; FR 35 Hz-20 kHz ±3 dB; sens 89 dB; imp 8 ohms. Bird's-eye or cherry front baffle. 8 x 33 x 11 in; 22 lb .....\$550/pr

### M2 2-Way.

As above, bookshelf version. No floor stand. Power handling 80 W; FR 48 Hz-20 kHz ±3 dB; sens 88 dB. 8 x 15 x 11 in; 14 lb .....\$350/pr

### M1 2-Way Bookshelf Speaker

5¼-in paper-cone woofer. Power handling 70 W; crossover point 2.5 kHz; FR 55 Hz-20 kHz ±3 dB; sens 87 dB; imp 8 ohms. Bird's-eye or cherry front baffle. 7 x 12 x 8 in; 10 lb .....\$250/pr

### MC 2-Way Center-Channel Speaker

Two 4-in paper-cone woofers. Magnetic shielding. Power handling 80 W; crossover point 2.5 kHz; FR 70 Hz-20 kHz ±3 dB; sens 90 dB; imp 8 ohms. Black ash vinyl. 17 x 6 x 7 in; 13 lb .....\$250

## TDL ELECTRONICS

### Reference Standard 3-Way Speaker

Transmission-line design with two 12 x 8-in polystyrene glass-fiber cone woofers, two 6-in black-anodized aluminum-cone midranges, and one 1-in black-anodized aluminum tweeter. Power handling 50 W min, 300 W max; crossover point selectable at 300 Hz, 2 kHz, or 13 Hz; FR 16 Hz-35 kHz; sens 89 dB; imp 8 ohms. Walnut or black ash finish. Lifetime warranty. 22 x 48 x 20 in; 175 lb .....\$15,000/pr

### Studio Monitor M Speaker

Transmission-line design with 12 x 8-in polystyrene glass-fiber cone driver. Power handling 50 W min, 150 W max; FR 18 Hz-20 kHz; sens 87 dB; imp 8 ohms. Walnut or black ash finish. Lifetime warranty. 13 x 37 x 17 in; 110 lb .....\$7,500/pr

### Cheviot CF300 2-Way Speaker

Reflex transmission-line design with 6½-in carbon-

fiber cone woofer and 1-in aluminum-dome tweeter. Power handling 30 W min, 120 W max; crossover point 2 kHz; FR 30 Hz-20 kHz; sens 90 dB; imp 8 ohms. Oak, cherry, or mahogany finish. Lifetime warranty. 9 x 37 x 12 in; 42 lb .....\$2,250/pr  
**Cotswold CF200.** As above, power handling 30 W min, 100 W max; FR 35 Hz-20 kHz; sens 87 dB. Oak, cherry, mahogany, or rosewood finish. 9 x 30 x 9 in; 31 lb .....\$1,750/pr

### RTL 4 2-Way Speaker

Reflex transmission-line design with two 8-in polypropylene woofers and one 1-in soft-dome tweeter. Power handling 20 W min, 150 W max; crossover point 3 kHz; FR 30 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black ash, rosewood, or cherry finish. Lifetime warranty. 11 x 37 x 15 in; 51 lb .....\$1,499/pr  
**RTL 3SE.** As above, two 6½-in polypropylene woofers. Power handling 20 W min, 120 W max; crossover point 2.5 kHz. 8 x 35 x 15 in; 47 lb .....\$1,129/pr

### Chiltern CF100 2-Way Bookshelf Speaker

Reflex transmission-line design with 6-in carbon-fiber cone woofer and 1-in aluminum-dome tweeter. Power handling 30 W min, 100 W max; crossover point 2 kHz; FR 40 Hz-20 kHz; sens 85 dB; imp 8 ohms. Oak, cherry, mahogany, or rosewood finish. Lifetime warranty. 8 x 12 x 9 in; 16 lb .....\$1,250/pr

### RTL 2SE 2-Way Speaker

Reflex transmission-line design with 6½-in polypropylene woofer and 1-in soft-dome tweeter. Power handling 20 W min, 80 W max; crossover point 3 kHz; FR 35 Hz-20 kHz; sens 87 dB; imp 8 ohms. Black ash, rosewood, or cherry finish. Lifetime warranty. 8 x 29 x 15 in; 27 lb .....\$729/pr

### Nucleus 3 2-Way Speaker

Bass-reflex design with 5¼-in woofer and ¾-in soft-dome tweeter. Power handling 15 W min, 60 W max; crossover point 3 kHz; FR 40 Hz-20 kHz; sens 89 dB; imp 4 or 8 ohms. Black ash, rosewood, or cherry finish. Lifetime warranty. 8 x 30 x 9 in; 22 lb .....\$529/pr  
**Nucleus 2.** As above, bookshelf version. 8 x 12 x 9 in; 11 lb .....\$329/pr

### Nucleus SBR Subwoofer

Transmission-line design with two 7-in long-throw drivers. Power handling 80 W; crossover point 150 Hz; FR 30-120 Hz; sens 90 dB; imp 4 or 8 ohms. Black sand-textured finish. Lifetime warranty. 8 x 16 x 20 in; 25 lb .....\$499

### Nucleus CCS 2-Way Center-Channel Speaker

Transmission-line design with two 4-in woofers and one ¾-in soft-dome tweeter. Magnetic shielding. Power handling 80 W; crossover point 4 kHz; FR 80 Hz-20 kHz; sens 87 dB; imp 8 ohms. Black sand-textured finish. 17 x 6 x 11 in; 17 lb .....\$329

### Nucleus 1 2-Way Bookshelf Speaker

Infinite-baffle design with 5¼-in woofer and ¾-in cone tweeter. Power handling 10 W min, 50 W max; crossover point 5 kHz; FR 60 Hz-20 kHz; sens 86 dB; imp 8 ohms. Black ash, rosewood, or cherry finish. Lifetime warranty. 7 x 10 x 7 in; 7 lb .....\$229/pr

## TEAC

### SU-B500 Subwoofer/Satellite System

3-piece system with one subwoofer with two 5¼-in woofers; two 2-way satellite speakers. Power handling 80 W rms; FR 80-20 kHz system; sens 85 dB. Ebony finish. Subwoofer: 7¼ x 10¼ x 17¼ in. Satellite: 5 x 8¼ x 5¼ in .....\$199

### SE-B300 Center/Surround System

3-speaker system with one center speaker with 5½-in woofer and 2½-in tweeter; two satellites, each with 5½-in woofer and 2½-in. Magnetic shielding. 2 sets RCA jacks; 1 set external speaker terminals. 5-band graphic EQ; volume, balance, and mixer controls. Includes headphones. Power handling 12 W; FR 30 Hz-20 kHz system. Ivory. Each speaker: 12¼ x 3¼ x 11¼ in; 7 lb .....\$149

# Speakers

## SS-350 Center/Surround System

3-speaker system featuring center speaker with two 3½-in woofers and one 2-in tweeter; two surround speakers, each with one 4-in driver. Magnetic shielding on center speaker. FR 80 Hz-20 kHz center, 80 Hz-180 kHz surround; imp 8 ohms center and surround. Ebony finish. Center: 18½ x 5½ x 5¼ in. Surround: 5½ x 8½ x 6 in . . . \$149

## LSC-400 2-Way Center-Channel Speaker

Four 3-in woofers and one 2-in tweeter. Magnetic shielding. Power handling 80 W; FR 80 Hz-20 kHz; sens 90 dB; imp 8 ohms. Ebony finish. 19¾ x 4¾ x 7½ in . . . \$129

## PowerMax 160/2 Powered Computer Speaker System

2 speakers, each with 4-in woofer and 2-in tweeter. Magnetic shielding. Volume, treble, and bass controls; loudness function; amp power indicator. Includes connection cable. FR 50-20 kHz system. Ivory. 5¾ x 10¾ x 6¾ in . . . \$99

## TECHNICS

### SB-AS60 Powered Subwoofer

Kelton-type design with 6¼-in woofer; amp rated at 100 W. Outer-cavity-housing passive radiator; inner cavity for driver. Speaker- and line-level inputs. Phase-reverse switch; overload indicator; volume control. Crossover point selectable at 50 and 200 Hz; FR 32-200 Hz; sens 86 dB; imp 8 ohms. 17¾ x 11¾ x 13 in; 31 lb . . . \$400

### SB-AS500 Powered Subwoofer

Two down-firing 5½-in drivers; 200-W amp. Variable low-pass filter. Auto power on/off; phase switch. Sens 83 dB; imp 4 ohms. 27 lb . . . \$350

### SB-T200 2-Way Powered Speaker

Two 5½-in aluminum woofers and one soft-dome tweeter; 200-W amp. Magnetic shielding. Crossover point 3 kHz; FR 38 Hz-40 kHz; sens 86 dB; imp 8 ohms. 8½ x 37 x 11 in; 60 lb . . . \$300/pr

### SB-LV500 2-Way Powered Center Speaker

Bass-reflex design with two woofers and one soft-dome tweeter; 200-W amp. Magnetic shielding. Crossover point 2.5 kHz; FR 75 Hz-40 kHz; sens 81 dB; imp 8 ohms. 4¾ x 17¾ x 6¾ in; 8 lb . . . \$250/pr

### SB-S500 2-Way Surround Speaker

Dipolar design with 3½-in full-range cone driver and soft-dome tweeter. Detachable grille; wall-mountable. 25 lb . . . \$250/pr

### SB-LX90 3-Way Speaker

Bass-reflex design with 15-in woofer, 4-in cone midrange, and 2½-in cone tweeter. Rounded baffle edges. Power handling 200 W; crossover points 3 and 6 kHz; FR 31 Hz-22 kHz; imp 8 ohms. 18½ x 32¾ x 12¾ in . . . \$240

**SB-LX70.** As above, 12-in woofer. FR 33 Hz-22 kHz. 15 x 27¾ x 10¾ in; 22 lb . . . \$170/pr

**SBX-LX50.** As above, 10-in woofer. Power handling 140 W; crossover points 4 and 6 kHz; FR 35 Hz-22 kHz. 13¾ x 24¾ x 10¾ in; 19 lb . . . \$140/pr

### SB-AS40 Powered Subwoofer

Bass-reflex design with 6¼-in woofer; amp rated at 50 W. Low-pass filter; magnetic shielding. Line- and speaker-level inputs. Phase switch; auto power on/off. FR 32-350 Hz. 15¾ x 11¼ x 11¾ in; 19 lb . . . \$220

### SB-C500 Center-Channel Speaker

Bass-reflex design with detachable grille. FR 75 Hz-40 kHz; sens 81 dB; imp 8 ohms. 17¾ x 5 x 6¾ in; 8 lb . . . \$200

### SB-LV310 2-Way Speaker

Bass-reflex design with 10-in cone woofer and 2½-in cone tweeter. Magnetic shielding; rounded baffle edges. Power handling 140 W; crossover point 3 kHz; FR 38 Hz-22 kHz; sens 89 dB; imp 8 ohms. 12¾ x 23¾ x 10¾ in; 20 lb . . . \$130/pr

**SB-LV110.** As above, 6¼-in cone woofer. FR 46 Hz-22 kHz; sens 88 dB. 9¼ x 15 x 8 in; 8 lb . . . \$110/pr

### SB-LX30 2-Way Speaker

Bass-reflex design with 10-in woofer and 2½-in cone tweeter. Rounded baffle edges. Power handling 140 W; crossover point 3 kHz; FR 38 Hz-22 kHz; imp 8 ohms. 12¾ x 23¾ x 10¾ in; 17 lb . . . \$120/pr

**SB-LX10.** As above, bookshelf version. 6¼-in woofer. Power handling 120 W; FR 46 Hz-22 kHz. 9¾ x 15 x 8¾ in; 8 lb . . . \$100/pr

## TERK

### Troubadour 5.1

#### Powered Wireless Speaker System

Three-piece system with two magnetically-shielded speakers, each with point-source driver configuration, 20-W rms amp, and RF receiver. 900-MHz RF transmitter. Auto tuning system . . . \$400

## TERPSICHORE

### Van Arsdale 3-Way Speaker

Transmission-line design with 8-in Eton honeycomb Nomex/Kevlar woofer, 4-in Eton midrange, and 1-in titanium tweeter. Laser-matched drivers. Triampable terminals. Power handling 250 W; FR 32 Hz-20 kHz ±2 dB; sens 90 dB; imp 8 ohms. Various finishes available. 17 x 42 x 16 in; 180 lb . . . \$4,000/pr

### Landes Monitor 2-Way Bookshelf Ribbon Speaker

7½-in Focal dual-voice-coil Kevlar woofer and Pioneer ribbon tweeter. 6-dB/oct woofer crossover; phase-corrected 12-dB/oct tweeter crossover; Tara Labs wiring. Gold-plated binding posts. 16 ohms optional. Power handling 100 W; FR 45 Hz-24 kHz; sens 91 dB; imp 4 ohms. Available in custom wood finish. 8 x 10 x 16 in; 19 lb . . . \$900/pr  
Floor-standing version of Landes Monitor, with 4 ribbon tweeters . . . \$1,700/pr  
Floor-standing version of Landes Monitor, with sand filling . . . \$1,000/pr

### SSS Monitor 2-Way Bookshelf Speaker

5½-in polypropylene woofer and 1-in titanium-dome tweeter. Magnetic shielding. Power handling 70 W; FR 55 Hz-20 kHz; sens 90 dB; imp 6 ohms. Available in custom stained-wood finish. 7 x 10 x 12 in; 12 lb . . . \$500/pr

## THIEL

*The following have synthesized 6-dB/oct crossover networks. Standard finishes are walnut and black wood; other finishes are available by special order. Each model carries a 10-year warranty.*

### CS7.2 4-Way Speaker

12-in woofer, 6½-in woofer, and 3-in midrange with coaxially mounted 1-in metal-dome tweeter. Cast-concrete front baffle. Power handling 100 W min, 500 W max; FR 25 Hz-17 kHz ±1.5 dB; sens 86 dB; imp 4 ohms. 55 x 14 x 19 in; 155 lb . . . \$13,500/pr

### CS6 3-Way Speaker

10-in woofer and 4-in midrange with coaxially mounted 1-in dome tweeter. Aluminum diaphragm drivers; concrete front baffle. Power handling 100 W min, 500 W max; FR 285 Hz-18 kHz ±2 dB; sens 86 dB; imp 4 ohms. 50 x 13 x 18½ in; 175 lb . . . \$7,900/pr

### CS3.6 3-Way Speaker

10-in woofer, 4½-in midrange, and 1-in metal-dome tweeter. Power handling 100 W min, 400 W max; FR 29 Hz-20 kHz ±1.5 dB; sens 86 dB; imp 4 ohms. 48½ x 12½ x 17 in; 107 lb . . . \$4,300/pr

### CS2.3 3-Way Speaker

8-in aluminum-diaphragm woofer and 3-in aluminum-diaphragm midrange with 1-in coaxially mounted metal-dome tweeter. Phase-coherent crossovers. Includes stabilizer pins. Power handling 400 W; FR 37 Hz-20 kHz ±2 dB; sens 86 dB; imp 4 ohms. 11 x 41½ x 15 in; 70 lb . . . \$3,300/pr

## MCS1 2-Way Speaker

Coaxial design with two 6½-in aluminum-diaphragm woofers with 3-in aluminum-diaphragm midrange and one 1-in metal-dome tweeters. Phase-coherent crossover. Power handling 25 W min; FR 46 Hz-20 kHz ±2 dB; sens 90 dB; imp 4 ohms. 10 x 29 x 12 in; 60 lb . . . \$2,200

## CS1.5 2-Way Speaker

6½-in woofer and 1-in metal-dome tweeter. Magnetic shielding. Power handling 50 W min, 150 W max; FR 42 Hz-22 kHz ±3 dB; sens 86 dB; imp 4 ohms. 33 x 8½ x 11 in; 42 lb . . . \$2,190/pr

## CS.5 2-Way Speaker

6½-in woofer and 1-in metal-dome tweeter. Power handling 30 W min, 150 W max; FR 55 Hz-20 kHz ±3 dB; sens 87 dB; imp 4 ohms. 31 x 8 x 11 in; 35 lb . . . \$1,450/pr

## SCS3 2-Way Bookshelf Speaker

Coaxial design with 6½-in woofer and 1-in metal-dome tweeter. Magnetic shielding. Power handling 30 W min, 200 W max; FR 46 Hz-20 kHz ±3 dB; sens 87 dB; imp 4 ohms. 19 x 7½ x 10¾ in; 31 lb . . . \$1,300

## THORENS

*The following use a bass-reflex design and have black ash, cherrywood, or beechwood finishes.*

### TSP 100 2-Way Speaker

Two 7-in Kevlar woofers and one 1-in dome tweeter. Power handling 120 W rms; FR 40 Hz-20 kHz; sens 92 dB; imp 4 or 8 ohms . . . \$1,700

### TSP 60 2-Way Speaker

Two 5-in Kevlar woofers and one ¾-in dome tweeter. Power handling 100 W rms; FR 50 Hz-20 kHz; sens 91 dB; imp 4 or 8 ohms . . . \$1,300

### TSP 40 2-Way Bookshelf Speaker

5-in Kevlar woofer and ¾-in dome tweeter. Power handling 60 W rms; FR 50 Hz-20 kHz; sens 88 dB; imp 4 or 8 ohms . . . \$900

## TIC

### TS 10 B Forest Stone 2-Way Outdoor Speaker

Coaxial design with 8-in polypropylene woofer and 3-in Mylar tweeter. Aerospace-grade composite cabinet. Includes 30-ft cable. Power handling 150 W; crossover point 4.5 kHz; FR 50 Hz-20 kHz; sens 90 dB; imp 8 ohms. Simulated forest-stone with bone, ivory, canyon, or slate standard finish; custom finishes available. 14¾ x 19¾ x 11¾ in; 15 lb . . . \$220

**TS 11 B Mountain Stone.** As above, simulated mountain stone. 19½ x 19½ x 11½ in; 16 lb . . . \$250

### GS 7L Omni-Light Outdoor Speaker

8-in polypropylene full-range driver. Doubles as in-ground garden light. ABS cabinet with built-in light; omnidirectional sound. Includes 50-ft cable and 70-V transformer. Power handling 150 W; crossover point 4.5 kHz; FR 50 Hz-20 kHz; sens 90 dB; imp 8 ohms. Textured ABS finish. 12¾ x 12¾ x 13¾ in; 13 lb . . . \$180

### TS 5 A Bluff Stone 2-Way Outdoor Speaker

Coaxial design with 8-in polypropylene woofer and 2-in Mylar tweeter. Aerospace-grade composite cabinet. Includes 30-ft cable. Power handling 100 W; crossover point 4.5 kHz; FR 40 Hz-20 kHz; sens 91 dB; imp 8 ohms. Simulated bluff-stone with bone, ivory, canyon, or slate standard finish; custom finishes available. 10¾ x 16½ x 12 in; 11 lb . . . \$170

**TS 6 A Hill Stone.** As above, simulated hill stone. 14¾ x 17¾ x 12 in . . . \$185

**TS 9 A Plateau Stone.** As above, simulated plateau stone. 13¾ x 14 x 11½ in . . . \$180

**TS 7 A Shore Stone.** As above, simulated shore stone. 11½ x 15¾ x 12 in . . . \$175

**TS 6 B Pro-Hill Stone.** As Hill Stone, power handling 150 W; FR 50 Hz-20 kHz; sens 91 dB; imp 4 or 8 ohms . . . \$200

# Speakers

## GS 5P Mini-Omni Outdoor Speaker

5½-in polypropylene full-range driver. ABS cabinet; omnidirectional sound. Includes 30-ft cable. Power handling 80 W; crossover point 4.5 kHz; FR 65 Hz-20 kHz; sens 83 dB; imp 8 ohms. Textured ABS. 8½ x 8½ x 9½ in; 8 lb .....\$140/pr

## GS 3T Pro-Omni Outdoor Speaker

8-in polypropylene full-range driver. ABS cabinet; omnidirectional sound. Includes 50-ft cable and 70v transformer. Power handling 100 W; crossover point 4.5 kHz; FR 40 Hz-20 kHz; sens 91 dB; imp 8 ohms. Textured ABS. 12¼ x 12¼ x 12¼ in; 12 lb .....\$130

## PSB 360 3-Way Outdoor Speaker

4-in woofer, 2-in midrange, and 1-in tweeter. ABS cabinet. Includes 50-ft cable. Power handling 60 W; crossover point 4.5 kHz; FR 50 Hz-18 kHz; sens 90 dB; imp 8 ohms. Black. 5½ x 9 x 6 in; 7 lb ...\$80/pr  
PSW 360. As above, white .....\$80/pr

## TOBY

### TS-97 2-Way Satellite Speaker

Transmission-line design with two 5¼-in woofers and one 1-in metal-dome tweeter. Passive crossover at 100 Hz to match CCR sub. Includes computer graph. Power handling 100 W; crossover points 100 Hz and 2 kHz; FR 100 Hz-20 kHz ±3 dB; sens 89 dB; imp 6 ohms. Column wrapped in black grille cloth, black epoxy top and base. 5-yr warranty. 7¼ x 5½ x 50 in; 27 lb .....\$800/pr

### D-55 Column 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in fabric-dome tweeter. Enclosure is critically braced and lined with bituminous rubber. Power handling 70 W; crossover point 2.5 kHz; FR 35 Hz-20 kHz ±3 dB; sens 87; imp 6 ohms. Finished in black, walnut and dark oak laminates, or textured black epoxy. 10 x 37½ x 12 in .....\$799/pr

### SS-93 2-Way Satellite Speaker

Transmission-line design with 6½-in mica-doped woofer and 1-in metal-dome tweeter. Mirror-imaging; passive crossover at 100 Hz to match CCR sub. Includes computer graph. Power handling 100 W; crossover points 100 Hz and 2 kHz; FR 100 Hz-20 kHz ±3 dB; sens 86 dB; imp 8 ohms. Black, oak, or walnut laminate. 5-yr warranty. 7¼ x 7¼ x 11¼ in; 11 lb .....\$550/pr

### CCR Subwoofer

Bandpass design with 10-in dual-voice-coil driver. Matches Toby satellites to cross over at 100 Hz. Left and right input. Power handling 60 W/ch; FR 35-85 Hz; sens 87 dB; imp 4 ohms. Oak, walnut, or black laminate. 5-yr warranty. 19 x 19 x 16 in; 49 lb. Cabinet is end-table size, 16 x 16 x 19-in ...\$450 Unfinished .....\$350

### RC-94 2-Way Surround Speaker

Acoustic-suspension design with 6½-in mica-doped woofer and one 1-in metal-dome tweeter. Complements Toby satellites and center channel speaker for theater sound matching. Power handling 60 W; crossover point 3 kHz; FR 55 Hz-20 kHz; sens 87 dB; imp 8 ohms. Black epoxy, black knit grille. 16 x 7¼ x 7¼ in; 12 lb .....\$325/pr

### CC-94 2-Way Center-Channel Speaker

6½-in mica-doped woofer; 1-in titanium-dome tweeter mounted outside cabinet above woofer for horizontal polar pattern. Magnetic shielding. Power handling 60 W; crossover point 3 kHz; FR 55 Hz-20 kHz ±3 dB; sens 87 dB; imp 8 ohms. Black epoxy. 5-yr warranty. 16 x 9¼ x 7¼ in; 12 lb .....\$250

## TOSHIBA

### SST6200 2-Way Speaker

Bass-reflex design with 6½-in polypropylene woofer and 1½-in dipole ribbon tweeter. 360° dispersion. Gold-plated 5-way binding posts. Power handling 100 W max; crossover point variable

from 2-5 kHz; FR 45 Hz-20 kHz ±3 dB; sens 89 dB. Black ash with black grille cloth. 8 x 32 x 9½ in; 22 lb .....\$750/pr

### SSW1020 Powered Subwoofer

Bass-reflex design with two 10-in woofers; 130-W amp. Horizontally-opposed drivers. Line-level input. Level control; phase-reverse switch. Crossover point adjustable from 70-200 Hz; FR 18-200 Hz. Black ash. 31¼ x 16 x 17½ in; 80 lb .....\$750

### SSC5300 2-Way Center-Channel Speaker

Bass-reflex design with two 5¼-in woofers and one 2-in monopole ribbon tweeter. 120° vertical dispersion. Gold-plated 5-way binding posts. Power handling 100 W max; crossover point variable from 2-8 kHz; FR 50 Hz-20 kHz; sens 89 dB. Black ash with black grille cloth. 18 x 6 x 14 in; 12 lb .....\$250

## TRIAD

### InRoom Platinum Powered Subwoofer

Acoustic-suspension design with 18-in woofer; 500-W amp. 12-dB/oct low-pass filter variable from 50 to 180 Hz; servo control. Independent left, right and sub-in inputs. Input-level control; 0 to 180° phase control. FR 18-180 Hz -3 dB. 19¼ x 19¼ x 18½ in .....\$2,000

### InRoom Bronze DualSub

2-Way Powered Speaker  
Acoustic-suspension design with 12-in woofer with 3-in voice coil and cast-frame 12-in long-throw paper-cone woofer; 250-W amp. THX certified; magnetic shielding. 2 line-level outputs. Level control. FR 20-180 Hz. Painted finish or veneer. 16 x 16¼ x 15½ in; 35 lb .....\$1,600

### InRoom Gold Powered Subwoofer

Two 10-in woofers in push-pull configuration; 250-W amp. 12-dB/oct low-pass filter variable from 50-180 Hz; servo control. Independent left, center, and right inputs. Center-channel recovery circuit; input-level control; 0 to 180° phase control; auto turn-on. FR 19-180 Hz -3 dB. 19¼ x 17¼ x 17½ in .....\$1,500  
InRoom Silver. As above, 8-in drivers. 17¼ x 15¼ x 16 in .....\$1,250

### OnWall Gold 2-Way THX Dipolar Surround Speaker

Dipolar bass-reflex design with two 6½-in polypropylene woofers and two 1-in fabric-dome tweeters. THX-certified. Mounts on wall or ceiling. In-wall version optional. Power handling 100 W min, 300 W max; FR 60 Hz-20 kHz ±3 dB; sens 88 dB; imp 4 ohms. 13¼ x 18 x 5½ in .....\$1,100

### InRoom Bronze Powered Subwoofer

10-in woofer; 150-W amp. 12-dB/oct low-pass filter variable from 50 to 180 Hz; servo control. Independent left, center, and right inputs. Center-channel recovery circuit; input-level control; 0 to 180° phase control; auto turn-on. FR 19-180 Hz -3 dB. 13¼ x 14¼ x 14 in .....\$1,000

### InRoom Gold LCR

2-Way THX Bookshelf Speaker  
Acoustic-suspension design with two 6½-in polypropylene woofers and one 1-in silk-dome tweeter. THX-certified; tweeter mounted in a dispersion-control lens; magnetic shielding. Power handling 300 W; FR 80 Hz-20 kHz; sens 90 dB; imp 4 ohms. 8½ x 17½ x 8 in .....\$1,000  
InRoom Gold LCR Horizontal. As above, dispersion control lens with lighted aiming device. 22 x 8½ x 8 in .....\$1,100

### OnWall Silver

2-Way THX Dipolar Surround Speaker  
Acoustic-suspension dipolar design with two 5½-in polypropylene woofers and two 1-in fabric-dome tweeters. THX-certified. Mounts on wall. In-wall version optional. Power handling 100 W; FR 125 Hz-8 kHz ±3 dB; sens 88 dB; imp 4 ohms. 13¼ x 13¼ x 5¼ in .....\$900

### InRoom Silver LCR 2-Way Satellite Speaker

Acoustic-suspension design with two 5½-in polypropylene woofers and one 1-in silk-dome tweeter. Tweeter mounted in a dispersion-control lens; magnetic shielding. Power handling 125 W; FR 100 Hz-20 kHz ±2 dB; sens 90 dB; imp 4 ohms. 8½ x 15½ x 7 in .....\$800

### InRoom Bronze Center 3-Way Bookshelf/Center-Channel Speaker

Acoustic-suspension design with one cast-frame 8-in long-throw paper-cone woofer, two 3-in paper-cone midranges, and one 1-in fabric-dome tweeter. Magnetic shielding; braced cabinet. 2 inputs. Power handling 125 W; FR 80 Hz-20 kHz; sens 89 dB; imp 4 ohms. Painted finish or veneer. 19 x 10 x 7 in; 28 lb .....\$750  
InRoom Bronze LCR. As above, bookshelf version. 9¼ x 18½ x 6½ in; 25 lb .....\$700

### OnWall Bronze Surround 3-Way In-Wall Surround Speaker

Acoustic-suspension dipolar design with one 6½-in polypropylene-cone woofer, two 3-in midranges, and two 1-in Mylar-dome tweeters. Braced cabinet. 2 inputs. Power handling 125 W; FR 80 Hz-20 kHz; sens 83 dB; imp 4 ohms. Painted finish. Rectangular frame. Mounting area: 13½ x 14 in. Mounting depth 4 in .....\$600

### InRoom Gold 2-Way Satellite Speaker

6½-in polypropylene woofer and 1-in silk-dome tweeter. Magnetic shielding optional. Power handling 125 W; FR 72 Hz-20 kHz; sens 87 dB; imp 4 ohms. 7¼ x 12¼ x 6¼ in .....\$425

### InRoom Silver 2-Way Satellite Speaker

5½-in polypropylene woofer and 1-in fabric-dome tweeter. Magnetic shielding optional. Power handling 100 W; FR 100 Hz-200 kHz ±2 dB; sens 90 dB; imp 8 ohms. 6½ x 10¼ x 6 in .....\$350

### InRoom Bronze 2-Way Satellite Speaker

4½-in coated-paper woofer and ¾-in fabric-dome tweeter. Magnetic shielding optional. Power handling 75 W; FR 110 Hz-20 kHz ±3 dB; sens 89 dB; imp 4 ohms. 5¼ x 9 x 4½ in .....\$250

## ULTIMATE SOUND

### TWR-1200 3-Way Speaker

Bass-reflex design with one 12-in polymer-laminate cone woofer with butyl-rubber surround, two 6½-in polypropylene-cone midranges, and one 1-in soft-dome tweeter. Impedance-matched crossover; phase-array alignment; magnetic shielding. Biampable terminals; 4 input terminals. Power handling 300 W; FR 28 Hz-25 kHz ±3 dB; sens 92 dB; imp 6 ohms. Black lacquer finish with black-metal grille. 18 x 48 x 16 in; 82 lb .....\$850

### HT-1000 Powered Home Theater System

HT-SW10 subwoofer; 2 HT-F45 front speakers; 2 HT-R45 surround speakers; center-channel speaker with built-in Dolby Pro Logic integrated amp rated at 40 W x 5 (front, center, surround) + 70 x 1 (subwoofer) all rms. 2 video inputs. Separate volume controls for each channel; 5 ambience modes; remote control. 23 x 22½ x 30 in; 75 lb .....\$500

### SW-1212 Powered Subwoofer

12-in polymer-laminate cone woofer with butyl-rubber surround; amp rated at 250 W rms. Magnetic shielding; built-in crossover. 6 input and output terminals; line- and speaker-level input. Remote control of crossover frequency and output level; auto turn-on. Includes 2 AA batteries and 2 sets of wires. FR 22-150 Hz ±3 dB; imp 4 ohms. Charcoal-oak vinyl finish with black-knit grille. 17¼ x 24¼ x 19¼ in; 46 lb .....\$500  
SW-1010. As above, 10-in woofer; amp rated at 150 W rms. FR 30-150 Hz ±3 dB. 16 x 20¼ x 20 in; 43 lb .....\$400

### TTR-12 3-Way Speaker

Bass-reflex design with 12-in polymer-laminate

# Speakers

cone woofer with butyl-rubber surround, two 4½-in cone midranges, and one 1-in silk-dome tweeter. Phase-array alignment; impedance-matched crossover; magnetic shielding. Biampable terminals; 4 input terminals. Power handling 250 W; FR 30 Hz-5 kHz ±2 dB; sens 92 dB; imp 8 ohms. Charcoal-oak vinyl finish with black metal grille. 8 x 48 x 16 in; 49 lb .....\$450  
**TTR-10.** As above, 10-in polymer-laminate cone woofer with butyl-rubber surround. Power handling 200 W. 8 x 44 x 16 in; 46 lb .....\$400

## ST-1212 Powered Subwoofer

12-in polyamide woofer and butyl-rubber surround; 100-W amp. Magnetic shielding; built-in crossover. 6 input and output terminals; line- and speaker-level inputs. Includes 2 sets of wires. FR 25-125 Hz ±3 dB; imp 4 ohms. Charcoal-oak vinyl with black-knit grille. 17¼ x 24¼ x 19¼ in; 44 lb .....\$400

## ST-1010 Powered Subwoofer

10-in polymer-laminate cone woofer with butyl-rubber surround; 100-W amp. Built-in crossover. 6 input and output terminals; line- and speaker-level inputs. Includes 2 sets of wires and 2 AA batteries. FR 25-150 Hz ±3 dB; imp 4 ohms. Charcoal-oak vinyl finish with black-knit grille. 16 x 20¼ x 20 in; 41 lb .....\$300

## SW-608 Powered Subwoofer

8-in polymer-laminate cone woofer with butyl-rubber surround; amp rated at 120 W rms. Built-in crossover; magnetic shielding. 6 inputs including line- and speaker-level inputs; 6 outputs. Remote control of crossover frequency and output level; auto turn-on. Includes 2 AA batteries and 2 sets of wires. FR 45-150 Hz ±3 dB; imp 4 ohms. Charcoal-oak vinyl finish with black-knit grille. 16 x 20¼ x 16¼ in; 31 lb .....\$300

## HT-SW10 Subwoofer

10-in polymer-laminate cone woofer with butyl-rubber surround. Magnetic shielding. 2 input terminals. Includes 2 sets of cables. Power handling 100 W; FR 50-200 Hz ±2 dB; sens 90 dB; imp 6 ohms. Charcoal-oak vinyl finish with black-knit grille. 12¼ x 17¼ x 17 in; 31 lb .....\$170

## SC-45 2-Way Center-Channel Speaker

Two 4½-in polymer-laminate cone midrange with butyl-rubber surround and one ½-in polycarbonate tweeter. Magnetic shielding. 2 input terminals. Power handling 100 W; FR 100 Hz-25 kHz ±2 dB; sens 90 dB; imp 6 ohms. Charcoal-oak vinyl finish with black-knit grille. 15¼ x 6 x 4¼ in; 11 lb .....\$100

## HT-F45 2-Way Front/Surround Speaker

4½-in injection-molded woofer and ½-in silkenodium tweeter. Magnetic shielding. 2 input terminals. Includes 1 sets of wires. Power handling 50 W; FR 70 Hz-20 kHz ±2 dB; sens 90 dB; imp 6 ohms. Charcoal gray with black metal grille. 5¼ x 8½ x 5 in; 4 lb .....\$80

## SFS-802 2-Way Bookshelf Speaker

Bass-reflex design with 8-in poly(laminate)-cone woofer and ½-in polycarbonate tweeter. Magnetic shielding. 2 input terminals. Power handling 100 W; FR 65 Hz-25 kHz ±2 dB; sens 90 dB; imp 6 ohms. Charcoal-oak vinyl finish with black-knit grille. 10 x 16 x 12¼ in; 15 lb .....\$80

## HT-R45 Surround Speaker

4½-in woofer. 2 input terminals. Includes 2 sets of cable. Power handling 50 W; FR 70 Hz-20 kHz ±2 dB; sens 90 dB; imp 6 ohms. Charcoal gray finish with black metal grille. 5¼ x 8½ x 5 in; 4 lb .....\$66

## VANDERSTEEN AUDIO

### Model 5 5-Way Speaker/Powered Subwoofer

Powered subwoofer section with 12-in dual-motor long-throw aluminum-cone driver and 400-W amp; speaker section with 7-in polypropylene woofer, 4½-in polypropylene-cone midrange, 1-in dual-chamber metal-dome tweeter, and ¾-in metal-



Ultimate Sound HT-1000 powered home-theater system

dome tweeter. 6-dB/oct crossovers. User-adjustable subwoofer Q and room-response compensation. Crossover points 100 Hz, 600 Hz and 5 kHz; FR 22 Hz-30 kHz; sens 87 dB; imp 6 ohms. 14 x 42 x 20 in; 225 lb .....\$9,800/pr

### Model 3A 3-Way Speaker

10-in active aluminum-cone acoustic coupler, 8-in polypropylene woofer, 4½-in polypropylene-cone midrange, and 1-in ferrofluid-cooled metal-dome tweeter. Power handling 200 W; crossover points 600 Hz and 5 kHz; FR 26 Hz-30 kHz; sens 88 dB; imp 6 ohms. 16 x 48 x 10¼ in; 102 lb .....\$2,795/pr

### Model 2CE Signature 3-Way Speaker

8-in polypropylene woofer, 4½-in ferrofluid-cooled polypropylene-cone midrange, and 1-in ferrofluid-cooled metal-dome tweeter. 2 sets of biampable terminals. Midrange- and tweeter-level controls. Power handling 160 W; crossover points 600 Hz and 5 kHz; FR 28 Hz-29 kHz; sens 88 dB; imp 7 ohms. Various wood veneers and grille colors available. 5-yr warranty. 16 x 39¼ x 10¼ in; 64 lb .....\$1,495/pr

### VSM Signature 2-Way In-Wall Speaker

Coaxial acoustic-suspension design with 6½-in polypropylene woofer and 1-in metal-dome tweeter. 1 set terminal block inputs. Tweeter-level control. Includes wall-mount brackets. Power handling 200 W; crossover point 3.8 kHz; FR 60 Hz-22 kHz ±2 dB; sens 88 dB; imp 7 ohms. Various wood veneers and grille colors available. 5-yr warranty. Rectangular frame. Mounting area: 12¼ x 23¼ in. Mounting depth 5 in .....\$1,395/pr

### Model 2CE 3-Way Speaker

10-in active acoustic coupler, 8-in polypropylene woofer, 4½-in ferrofluid-cooled midrange, and 1-in ferrofluid-cooled metal-dome tweeter. Power handling 160 W; crossover points 600 Hz and 5 kHz; FR 28 Hz-29 kHz; sens 88 dB; imp 7 ohms. 16 x 39¼ x 10¼ in; 63 lb .....\$1,295/pr

### Model 2Wq Powered Subwoofer

Three slot-loaded 8-in long-fiber woofers; 300-W amp. Feed-forward error correction; 6-dB/oct crossover. Adjustable sens to match main speakers with efficiency ratings of 82-94 dB; user adjustable Q. Crossover point 80 Hz; FR 24-80 Hz. 18½ x 18 x 17 in; 91 lb .....\$1,250

### V2W Powered Subwoofer

Three 8-in woofers and one 12-in mass-loaded passive radiator; 300-W amp. Line-level inputs. Adjustable phase and sensitivity. FR 20-125 Hz; imp 2 ohms. Various wood veneers and grille colors available. 5-yr warranty. 18½ x 18 x 17 in; 91 lb .....\$1,250

ors available. 5-yr warranty. 18½ x 18 x 17 in; 91 lb .....\$1,250

### VSM-1 2-Way Speaker

Coaxial design with 6½-in polypropylene woofer and 1-in metal-dome tweeter. Designed for wall hanging. MDF enclosure. Power handling 100 W; crossover point 3.8 kHz; FR 60 Hz-21 kHz ±3 dB; sens 88 dB; imp 8 ohms. 12¼ x 23¼ x 5 in .....\$895/pr

### VCC Signature 2-Way Center-Channel Speaker

Coaxial design with 6½-in polypropylene woofer and 1-in metal-dome tweeter. Magnetic shielding; proprietary crossover. 1 set terminal-block inputs. Proximity switch to compensate for boundary effects. Power handling 200 W; crossover point 3.8 kHz; FR 150 Hz-22kHz ±2 dB without proximity; 300 Hz-22 kHz ±2 dB with proximity; sens 86 dB; imp 7 ohms. Various wood veneers and grille colors available. 5-yr warranty. 12¼ x 9¼ x 10¼ in; 28 lb .....\$795

### Model 1C 2-Way Speaker

Rear slot-loaded design with 8-in polypropylene woofer and 1-in ferrofluid-cooled metal-alloy-dome tweeter. Power handling 100 W; crossover point 2.8 kHz; FR 38 Hz-20 kHz; sens 90 dB; imp 6.8 ohms. 12 x 36 x 10 in; 50 lb .....\$715/pr

### VCC-1 2-Way Center-Channel Speaker

Coaxial design with 6½-in polypropylene woofer and 1-in critically damped metal-dome tweeter. 6-dB/oct crossover. Proximity switch to compensate for boundary effects. Power handling 200 W; crossover point 3.8 kHz; FR 150 Hz-21 kHz without proximity switch, 300 Hz-21 kHz with; sens 86 dB; imp 8 ohms. 12¼ x 9¼ x 10¼ in; 27 lb .....\$495

## VECTOR RESEARCH

The following have a black-vinyl finish with black-aluminum mesh grille.

### VRP-475 Subwoofer/Satellite System

3-speaker system with subwoofer with 8-in driver; two satellites, each with 3½-in cone midrange and 2½-in dome tweeter. FR 28 Hz-20 kHz ±3 dB system; sens 90 dB; imp 6 ohms. 26 lb .....\$1,099

### VRP-1210 Powered Subwoofer

10-in woofer. Crossover point adjustable from 50-125 Hz; FR 25-125 Hz ±3 dB; sens 90 dB; imp 8 ohms. 18 lb .....\$799

### VRP-400 3-Way Satellite/Center-Channel Speaker

Two 4-in woofers, one 3½-in midrange, and one 2½-in tweeter. Power handling 50 W; FR 55 Hz-20 kHz; sens 87 dB; imp 4 ohms. 22 lb .....\$799

## VELODYNE

### DF-661 3-Way Speaker

6½-in woofer, 6½-in midrange, and 1-in tweeter. Power handling 300 W; crossover points 800 Hz and 5 kHz; FR 60 Hz-20 kHz ±3 dB; sens 88 dB; imp 6 ohms. Rosewood. 5-yr warranty. 8¼ x 19 x 10½ in; 40 lb .....\$2,500/pr

See the Glossary on page 243 to distinguish DSS from DSP or THX from THD.

# Speakers

## FSR-18 Powered Subwoofer

18-in servo-controlled woofer; 1250-W servo amp. Class D amp construction. Line- and speaker-level inputs and outputs. Direct-in and phase control; auto on/off; low-pass filter adjustable from 40-120 Hz; high-pass filter selectable at 80 or 100 Hz; remote control. FR 15-120 Hz  $\pm 3$  dB .....\$2,399

## HGS-12 Powered Subwoofer

Push-pull design with 12-in servo-controlled woofer; 1,250-W servo amp. Class D amp design. Line-level inputs and outputs. Low-pass filter adjustable from 40-120 Hz; high-pass filter at 80 kHz; phase control. FR 20-120 Hz  $\pm 3$  dB. Gloss black .....\$1,999

HGS-10. As above with 10-in driver .....\$1,599

## FSR-10 Powered Subwoofer

10-in servo-controlled woofer; 1,000-W servo amp. Adjustable low-pass filter from 40-120 Hz; 80/100 Hz high-pass filter. Line- and speaker-level inputs and outputs. FR 20-120 Hz  $\pm 3$  dB .....\$1,199

FSR-12. As above, 12-in servo-controlled woofer; 120-W servo amp. Remote control .....\$1,199

FSR-15. As above, 15-in servo-controlled woofer; 250-W servo amp. Auto on/off. FR 16-120 Hz  $\pm 3$  dB .....\$1,699

FSX-12. As above, no remote control .....\$1,199

## VA 1250X Powered Subwoofer

Bass-reflex design with 12-in forward-firing fiber-cone driver with 15-in down-firing passive radiator and 2 $\frac{1}{2}$ -in voice-coil; 250-W amp. Clipping and over-excursion protection. Line-level inputs and outputs; 5-way blinding post for speaker-level input and output. Signal-sensing auto-on; continuously adjustable phase between 0° and 180°; crossover bypass. Crossover point adjustable from 40-120 Hz; FR 22-120 Hz  $\pm 3$  dB; imp 4 ohms. Black woodgrain vinyl. 18 x 18 $\frac{1}{4}$  x 18 $\frac{1}{4}$  in; 67 lb .....\$999

CT-150. As above, slot-loaded forward-firing 15-in fiber-cone woofer with 2 $\frac{1}{2}$ -in voice-coil. Crossover point selectable at 80 and 100 Hz; FR 23-120 Hz  $\pm 3$  dB. Black ash vinyl finish. 18 $\frac{1}{2}$  x 21 x 20 in; 77 lb .....\$799

## VA-1012X II Powered Subwoofer

10-in woofer and 12-in passive radiator; 100-W amp. Gain-compressor circuit. Line- and speaker-level inputs and outputs. Phase control; auto on/off; low pass filter adjustable from 40-120. FR 28-120 Hz  $\pm 3$  dB .....\$699

## LD-3C 2-Way Center-Channel Speaker

Acoustic-suspension design with two 6-in aluminum woofers and one 1-in aluminum tweeter. Magnetic shielding. Power handling 150 W; crossover point 3 kHz; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 88 dB; imp 4 ohms. Black woodgrain. 5-yr warranty. 21 x 8 x 10 in; 32 lb .....\$649

## CT-120 Powered Subwoofer

Three slot-load 12-in long-fiber woofers; 120-W amp. Line- and speaker-level inputs and outputs. Low-pass filter adjustable from 40-120 Hz. 80/100-Hz high-pass filter; continuously adjustable phase between 0° and 180°; auto on/off. FR 28-120 Hz  $\pm 3$  dB .....\$599

CT-100. As above, 10-in driver and 100-W amp. FR 30-120 Hz  $\pm 3$  dB .....\$499

CT-80. As above, 8-in driver; 80-W amp. Low-pass filter adjustable from 50-150 Hz; 80-Hz high-pass filter; FR 35-120 Hz  $\pm 3$  dB .....\$379

## VA-8100X Powered Subwoofer

8-in woofer and 10-in passive radiator; 100-W amp. Gain-compressor circuit; low pass filter adjustable from 40-120 Hz. Line- and speaker-level inputs and outputs. Direct input-phase control; auto on-off. FR 35-120 Hz  $\pm 3$  dB .....\$599

## LD-2 2-Way Speaker

Acoustic-suspension design with 6-in aluminum woofer and 1-in aluminum tweeter. Power handling 150 W; crossover point 3 kHz; FR 80 Hz-20 kHz  $\pm 3$

dB; sens 88 dB; imp 6 ohms. Black woodgrain. 5-yr warranty. 8 x 14 x 8 in; 18 lb .....\$399

## VIDEOTON

### DB 1588 Mini Max 2-Way Speaker

Infinite-baffle design; 5 $\frac{1}{4}$ -in woofer and 1-in tweeter. Power handling 100 W; FR 50 Hz-20 kHz; sens 88 dB; imp 8 ohms. 7 x 11 x 7 in; 10 lb .....\$300/pr

## VINTEC ACOUSTICS

*The following have a custom finish with a black-knit grille.*

### Vision Home Theater System

7-speaker system with 2 subwoofers, each with two 10-in drivers; 2 front speakers, each with two 6 $\frac{1}{2}$ -in cone midranges and two 1-in dome tweeters; 2 surround speakers, each with 6 $\frac{1}{2}$ -in cone midrange and 1-in dome tweeter; center-channel speaker with two 6 $\frac{1}{2}$ -in cone midranges and two 1-in dome tweeters. Crossover points 80 Hz and 2 kHz; FR 28 Hz-22 kHz  $\pm 2$  dB system; sens 87 dB; imp 6 ohms. 389 lb .....\$7,500

### Virtual 3-Way Speaker

Omnidirectional design with four 6 $\frac{1}{4}$ -in woofers, two 1-in dome midranges, and two  $\frac{3}{4}$ -in dome tweeters. Power handling 400 W; crossover points 2 Hz and 5 kHz; FR 32 Hz-25 kHz  $\pm 2$  dB; sens 93 dB; imp 3 ohms. 60 x 24 x 8 in; 65 lb .....\$3,250

### Vanguard 3-Way Speaker

Dual-ported bass-reflex design with two 10-in woofers, one 6 $\frac{1}{4}$ -in cone midrange, and one 1-in dome tweeter. Power handling 200 W; crossover points 80 Hz and 2 kHz; FR 28 Hz-22 kHz  $\pm 1$  dB; sens 85 dB; imp 4 ohms. 50 x 12 x 16 in; 170 lb .....\$3,000/pr

### Vesuvius Subwoofer

Two 18-in drivers. Power handling 400 W; FR 10-200 Hz  $\pm 2$  dB; sens 95 dB; imp 4 ohms. 45 x 24 x 24 in; 140 lb .....\$2,800

### Vista 2-Way Speaker

Bass-reflex design with two 6 $\frac{1}{4}$ -in woofers and 1-in dome tweeter. Power handling 200 W; crossover point 2 kHz; FR 36 Hz-20 kHz  $\pm 2$  dB; sens 90 dB; imp 4 ohms. 40 x 9 x 13 in; 130 lb .....\$2,400/pr

### Vintage 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in dome tweeter. Power handling 125 W; crossover point 1.8 kHz; FR 40 Hz-22 kHz  $\pm 1$  dB; sens 87 dB; imp 6 ohms. 28 x 12 x 14 in; 112 lb .....\$1,800/pr

### Vibrato Compound Subwoofer

Two 10-in drivers. Power handling 200 W; FR 18-200 Hz  $\pm 3$  dB; sens 85 dB; imp 4 ohms. 23 x 18 x 18 in; 69 lb .....\$1,350

### Valour 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{4}$ -in woofer and 1-in dome tweeter. Power handling 100 W; crossover point 2 kHz; FR 50 Hz-22 kHz  $\pm 1$  dB; sens 85 dB; imp 8 ohms. 16 x 9 x 12 in; 54 lb .....\$1,300/pr

## VMPS

### Super Tower III Special Ribbon Edition

#### 4-Way Ribbon Speaker

Four 12-in woven carbon-fiber woofers, one 12-in downward-firing passive radiator, one 6-ft ribbon midrange, and one ribbon supertweeter. Power handling 800 W; FR 12 Hz-40 kHz; sens 95 dB; imp 6 ohms. Black-granite enclosure. 76 x 19 x 17 in; 500 lb .....\$16,400/pr

### VMPS FF-1 4-Way Speaker

Three 12-in woven-carbon-fiber woofers in focused-field-array, two 6-in planar midranges, two 1-in dome tweeters, and one 2-in ribbon supertweeter. Power handling 400 W; FR 14 Hz-40 kHz; sens 92 dB; imp 4 ohms. 68 x 14 $\frac{1}{2}$  x 18 in; 350 lb .....\$6,800/pr

VMPS FF-3. As above, 10-in woofers. Power handling 350 W; FR 24 Hz-40 kHz; sens 92 dB; imp 4 ohms. 63 x 13 $\frac{1}{2}$  x 18 in; 300 lb .....\$4,400/pr

### Super Tower/R Special Edition 4-Way Speaker

Two 15-in and one 10-in woven-carbon woofers, two 5-in dynaribbon-planar midranges, two Focal 1-in dome tweeters, and one 2-in ribbon supertweeter. Power handling 350 W; FR 20 Hz-40 kHz; sens 90 dB; imp 4 ohms. 100 lb .....\$3,400/pr

Kit version .....\$2,800/pr

### RM 2 3-Way Speaker

One 12-in woven carbon-fiber woofer, one 12-in passive radiator, one 14-in ribbon midrange, and two 1-in spiral ribbon tweeters. Power handling 200 W; FR 28 Hz-30 kHz; sens 90 dB; imp 4 ohms. 15 x 45 x 17 in; 120 lb .....\$2,200/pr

Kit version .....\$1,749/pr

### Tower II Special Edition 4-Way Speaker

Three 12-in woven carbon-fiber woofers, one 5-in cone midrange, one 1-in Focal dome tweeter, and one 2-in ribbon supertweeter. Power handling 300 W; FR 22 Hz-30 kHz; sens 92 dB; imp 4 ohms. 15 x 45 x 16 in; 105 lb .....\$1,876/pr

Kit version .....\$1,476/pr

### RM 1 3-Way Speaker

10-in woven carbon-fiber woofer, 10-in passive radiator, 7-in ribbon midrange, and 1-in spiral ribbon tweeter. Power handling 200 W; FR 36 Hz-30 kHz; sens 89 dB; imp 8 ohms. 12 x 39 x 15 in; 85 lb .....\$1,480/pr

Kit version .....\$1,199/pr

### Larger Subwoofer

Dual 12- and 15-in woofers. Crossovers optional. Power handling 350 W; FR 17-600 Hz; sens 92 dB; imp 4 ohms. Oak or walnut veneer finish. 39 x 21 x 17 in; 150 lb .....\$699

Kit version .....\$579

### Tower II 4-Way Speaker

Three 12-in polypropylene woofers, one 5-in polypropylene-cone midrange, one 1-in dome tweeter, and one 1-in piezo or ribbon supertweeter. Power handling 300 W; FR 22 Hz-30 kHz; sens 92 dB; imp 4 ohms. Light oak, dark oak, or satin black finish. 15 x 43 x 16 in; 105 lb .....\$649

Kit version .....\$499

### Original Subwoofer

Dual 12- and 15-in woofers. Single- or dual-voice-coils. Crossovers optional. Power handling 200 W; FR 19-600 Hz; sens 89 dB; imp 8 ohms. Oak or walnut veneer finish. 27 x 21 x 17 in; 100 lb .....\$499

Kit version .....\$399

### MiniTower IIa 3-Way Speaker

Two 10-in woven carbon-fiber woofers, one 5-in polypropylene-cone midrange, two 1-in dome tweeters, and one piezo or ribbon supertweeter. Light oak, dark oak, or satin black finish. 12 x 35 x 16 in; 80 lb .....\$479

Kit version .....\$379

### QSO-808 3-Way Speaker

12-in woofer, 5-in polypropylene-cone midrange, and 1-in dome tweeter. Power handling 200 W; FR 34 Hz-18 kHz; sens 90 dB; imp 8 ohms. Light or dark oak finish. 26 x 15 x 11 in; 55 lb .....\$399

Kit version .....\$329

### QSO-626 Speaker

Dual 6 $\frac{1}{2}$ -in drivers. Magnetic shielding. Power handling 150 W; FR 44 Hz-18 kHz  $\pm 0$ ,  $-4$  dB; sens 90 dB; imp 4 ohms. Oak veneer finish. 22 x 9 x 13 in; 35 lb .....\$349

Kit version .....\$289

## WATERWORKS ACOUSTICS

### Sounding Outdoor Speaker

9-in piezo-piston transducer. Designed for underwater applications. Plastic-clad with no exposed

# Speakers

metal parts; isolation transformer; can withstand depths up to 25 ft. Includes wet niche and speaker wire. Power handling 50 W; FR 200 Hz-20 kHz  $\pm 3$  dB; imp 8 ohms. 9 x 9 x 6 in; 16 lb .....\$1,197

## Soundpipe Two 2-Way Outdoor Speaker

Two 5-in polypropylene-cone woofers and one  $\frac{3}{4}$ -in tweeter mounted in pipe structure. Pipes and flanges for deck mounting optional. Power handling 100 W rms; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 4 ohms. Black, white, or green. 6 x 21 $\frac{1}{2}$  x 8 $\frac{1}{2}$  in .....\$699/pr

**Soundpipe One.** As above, single woofer,  $\frac{1}{2}$ -in tweeter. Power handling 50 W rms; sens 88 dB; imp 8 ohms. 6 x 13 x 8 $\frac{1}{2}$  in .....\$399/pr

**Sconce mount.** Provides finished look for wall-mounted Soundpipe One or Two .....\$129/pr

**Mounting Pipe.** For Soundpipe One or Two. 4 x 48 in .....\$119/pr

As above, 4 x 36 in .....\$89/pr

4 x 24 in .....\$59/pr

**Animal grille.** For Soundpipe One or Two .....\$79/pr

**Bracket.** For mounting Soundpipe One on a flat surface .....\$59/pr

## Soundpipe Sub Outdoor Subwoofer

10-in dual-voice-coil polypropylene-cone driver. Power handling 100 W rms; FR 30-100 Hz  $\pm 3$  dB; sens 90 dB; imp 4 ohms. Black or white. 16-in diameter x 18-in height .....\$599

## Soundrock 2-Way Outdoor Speaker

One 8-in dual-voice-coil woofer and two  $\frac{1}{2}$ -in tweeters. Fiberglass housing looks like a rock. Mono or stereo configuration. Includes 50-ft four-conductor cable for underground wiring. Power handling 100 W rms; FR 40 Hz-20 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms/channel. Brown or gray variegated finish. 3-yr limited warranty. 21 x 16 x 26 in; 25 lb .....\$599

## Soundpipe Pump 2-Way Outdoor Speaker

5-in polypropylene-cone woofer and  $\frac{1}{2}$ -in tweeter. Enclosure designed to minimize diffraction, vibration, and standing wave effects; auto overdrive protection. Power handling 50 W; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 87 dB; imp 8 ohms. Black, white, green, or custom finish. 3-yr warranty. 6 x 8 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 6 lb .....\$439/pr

Built-in 70-V transformer .....\$40/pr

## Soundpipe Omni 2-Way Outdoor Speaker

Omnidirectional design with one 4-in polypropylene-cone woofer and four  $\frac{1}{2}$ -in tweeters. Removable base for wiring and installation. Power handling 50 W rms; FR 80 Hz-20 kHz  $\pm 3$  dB; sens 86 dB; imp 8 ohms. Black or green; custom finishes available. 3-yr limited warranty. 8-in diameter x 8-in height; 7 lb .....\$379

## WAVEFORM

The following is available directly from the manufacturer. The price does not include freight.

### Mach 17 3-Way Speaker

Two 12-in woofers in main cabinet; top-mounted pivoting midrange/treble egg-shaped module houses 6 $\frac{1}{2}$ -in midrange and 1-in silk-dome tweeter; top module rests on acoustic foam. Bryston active crossover with bass, midrange, and treble controls. Power handling 400 W max; FR 27 Hz-17 kHz  $\pm 1$ dB; sens 94 dB; imp 8 ohms. Oiled or lacquered walnut. 10-yr warranty. 23 $\frac{1}{2}$  x 23 $\frac{1}{2}$  x 43 in; 125 lb .....\$6,995

## WAVEFRONT ACOUSTICS

The following carry a 5-year warranty.

### Continental Divide 4-Way Hybrid Ribbon Speaker

Subwoofer/midrange unit with one 15-in coated driver and four 8-in midranges in one enclosure; one wide-range ribbon driver and one 1-in dome tweeter in separate enclosure. 2-in cabinet walls with lead/sand core for vibration deadening for



Waterworks Acoustics Soundpipe Omni

sub/midrange unit; 24-dB/oct Linkwitz-Riley active crossovers for ribbon/tweeter unit. Triampable terminals. Full level- and crossover-controls of all driver ranges. Balanced parametric EQs, custom wood inlay or finish optional. Power handling 1000 W; crossover point variable from 80-200 Hz; FR 7 Hz-30 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Walnut/purple-heart trim. Sub/midrange: 22 x 83 x 20 in; 400 lb. Ribbon/tweeter: 22 x 83 x  $\frac{1}{4}$  in; 60 lb .....\$20,000

### Aspen 3-Way Speaker

Bass-reflex design with two 9-in coated woofers, two 6-in polypropylene midranges, and one  $\frac{3}{4}$ -in textile-dome tweeter. 2 input terminals. 3 input terminals, controls for midrange and tweeter levels, and high-mass vibration-deadening compound optional. Power handling 500 W; crossover points 300 Hz and 3.5 kHz; FR 30 Hz-25 kHz  $\pm 3$  dB; sens 95 dB; imp 4 ohms. Mahogany. 5-yr warranty. 12 x 46 x 18 in; 140 lb .....\$3,995/pr

As above, rosewood .....\$4,295/pr

As above, kit version .....\$2,495/pr

### Columbine 3-Way Speaker

Bass-reflex design with 10-in coated woofer, 5-in midrange, and 4-in ribbon tweeter. Input terminal. Two or three input terminals, midrange and tweeter controls, and vibration deadening all optional. Power handling 150 W; crossover points 600 Hz and 5 kHz; FR 32 Hz-25 kHz  $\pm 3$  dB; sens 90 dB; imp 8 ohms. Black oak. 12 x 24 x 14 in; 60 lb .....\$695/pr

## WESTLAKE AUDIO

The following use a bass-reflex design, have a satin walnut veneer, and carry a 5-year warranty.

### SM-1F 5-Way Speaker

Two 18-in woofers, one 12-in woofer, one 2-in compression midrange, one 1-in compression tweeter, and one  $\frac{1}{2}$ -in supertweeter. Extensive electro-mechanical acoustical dampening. Large terminal strip; 2-, 4-, or 5-amp operation. Includes 2-channel, 2-way MRX-2 active crossover. Speaker muffs, 2-channel, 4-way HRX active crossover optional. Power handling 400 W; FR 20 Hz-20 kHz; sens 101 dB; imp 4 ohms. 40 x 51 x 33 in; 600 lb .....\$78,997/pr

### HR-1F 4-Way Speaker

Two 15-in woofers, one 10-in woofer, one 2-in compression midrange, and one 1-in compression tweeter. Extensive electromechanical acoustical dampening. Biampable. 2- or 4-amp operation. Includes 2-channel, 2-way MRX-2 active crossover. Speaker muffs, 2-channel, 4-way HRX active

crossover optional. Power handling 300 W; FR 34 Hz-16 kHz; sens 99 dB; imp 4 ohms. 31 x 44 x 21 in; 365 lb .....\$36,499/pr

### BB10-SWP Subwoofer

18-in woofer. Extensive acoustical dampening; integrated passive crossover for single or biamp/triamp operation. Heavy-duty terminal strip. Includes cables and port plugs. Speaker muffs optional. Power handling 200 W; FR 26 Hz-2 kHz; sens 96.5 dB; imp 8 ohms. 30 x 28 $\frac{1}{2}$  x 23 $\frac{1}{2}$  in; 275 lb .....\$13,899/pr

## Tower Series

The following have extensive acoustical dampening and gold WBT connectors. Speaker muffs optional.

### Tower SM-1 5-Way Speaker

Two 18-in woofers, one 12-in woofer, one 2-in compression midrange, one 1-in compression tweeter, and one  $\frac{1}{2}$ -in supertweeter. 2-, 4-, or 5-amp capability. Includes 2-channel, 2-way MRX-2 active crossover. Power handling 400 W; FR 20 Hz-20 kHz; sens 101 dB; imp 4 ohms. 75 x 40 x 29 $\frac{1}{2}$  in; 975 lb .....\$98,661/pr

### Tower HR7 4-Way Speaker

Two 12-in woofers, one 10-in woofer, one 1-in compression tweeter, and one  $\frac{1}{2}$ -in supertweeter. 2- or 4-amp capability. Includes 2-channel, 2-way MRX-2 active crossover. High-gloss finish optional. Power handling 200 W; FR 32 Hz-20 kHz; sens 96 dB; imp 4 ohms. 60 x 27 x 25 in; 385 lb .....\$38,017/pr

### Tower 12 2-Way Speaker

Two 12-in woofers and one 1-in compression tweeter. Integrated passive crossover for 1- or 2-amp operation. Biampable terminals. 2-channel, 2-way MRX-2 active crossover optional. Power handling 180 W; FR 38 Hz-18 kHz; sens 97 dB; imp 4 ohms. 55 $\frac{1}{2}$  x 27 $\frac{1}{2}$  x 23 $\frac{1}{2}$  in; 350 lb .....\$22,475/pr

## Reference Series

The following have extensive acoustical dampening. Speaker muffs optional.

### SM-1VF 5-Way Speaker

Two 18-in woofers, one 12-in woofer, one 2-in compression midrange, one 1-in compression tweeter, and one  $\frac{1}{2}$ -in supertweeter. 2-, 4- or 5-amp capability. Includes 2-channel, 2-way MRX-2 active crossover. 2-channel, 4-way HRX active crossover optional. Power handling 400 W; FR 20 Hz-20 kHz; sens 101 dB; imp 4 ohms. 57 x 41 $\frac{1}{4}$  x 28 in; 875 lb .....\$81,954/pr

### HR-1VF 4-Way Speaker

Two 15-in woofers, one 10-in woofer, one 2-in compression midrange, and one 1-in compression tweeter. 2- or 4-amp capability. Includes 2-channel, 2-way MRX-2 active crossover. 2-channel, 4-way HRX active crossover optional. Power handling 300 W; FR 34 Hz-16 kHz; sens 99 dB; imp 4 ohms. 48 x 34 x 21 in; 375 lb .....\$38,858/pr

### TM-3VF 3-Way Speaker

Two 15-in woofers, one 2-in compression midrange, and one 1-in compression tweeter. Integrated passive crossover for 1- or 2-amp operation. Biampable terminals. 2-channel, 2-way MRX-2 active crossover optional. Power handling 300 W; FR 34 Hz-16 kHz; sens 99 dB; imp 4 ohms. 44 x 34 x 21 in; 370 lb .....\$33,109/pr

## BBSM-VNF Series

The following have extensive acoustical dampening, an integrated passive crossover for 1- or 2-amp operation, a heavy-duty terminal strip, and biampable terminals. Speaker muffs optional.

### BBSM-15VNF 3-Way Speaker

Two 15-in woofers, one 10-in midrange, and one 1-in compression tweeter. High-performance woofers optional. Power handling 300 W; FR 36 Hz-18 kHz; sens 99 dB; imp 4 ohms. 59 $\frac{1}{2}$  x 21 x 26 in; 520 lb .....\$23,997/pr

# Speakers

## BBSM-12VNF 3-Way Speaker

Two 12-in woofers, one 6½-in midrange, and one 1¼-in dome tweeter. Power handling 180 W; FR 38 Hz-18 kHz; sens 96 dB; imp 4 ohms. 47½ x 17 x 21½ in; 230 lb ..... \$11,275/pr

## BBSM-10VNF 3-Way Speaker

Two 10-in woofers, one 6½-in midrange, and one 1¼-in dome tweeter. Power handling 120 W; FR 40 Hz-18 kHz; sens 95 dB; imp 4 ohms. 46 x 14½ x 19½ in; 165 lb ..... \$8,299/pr

## BBSM-6VNF 3-Way Speaker

Two 6½-in woofers, one 4-in midrange, and one 1-in dome tweeter. Power handling 80 W; FR 44 Hz-18 kHz; sens 91 dB; imp 4 ohms. 41½ x 9¾ x 14 in; 85 lb ..... \$6,149/pr

## BBSM-4VNF 2-Way Speaker

Two 4-in woofers and one ¾-in dome tweeter. Includes pedestal stands. Power handling 50 W; FR 60 Hz-20 kHz; sens 89 dB; imp 4 ohms. 39¾ x 6¾ x 11 in; 65 lb ..... \$4,250/pr

## BBSM-F Series

The following have extensive acoustical dampening, an integrated passive crossover for 1- or 2-amp operation, a heavy-duty terminal strip, and bi-ampable terminals. Speakers muffs optional.

## BBSM-15F 3-Way Speaker

Two 15-in woofers, one 10-in midrange, and one 1-in compression tweeter. High performance woofers optional. Power handling 300 W; FR 50 Hz-18 kHz; sens 99 dB; imp 4 ohms. 27¾ x 41 x 25 in; 465 lb ..... \$21,997/pr

## BBSM-12F 3-Way Speaker

Two 12-in woofers, one 6½-in midrange, and one 1¼-in dome tweeter. Power handling 180 W; FR 50 Hz-18 kHz; sens 97 dB; imp 4 ohms. 19 x 34 x 23 in; 220 lb ..... \$10,027/pr

## BBSM-10F 3-Way Speaker

Two 10-in woofers, one 6½-in midrange, and one 1¼-in dome tweeter. Matching subwoofer system optional. Power handling 120 W; FR 50 Hz-18 kHz; sens 95 dB; imp 4 ohms. 16 x 30 x 21½ in; 150 lb ..... \$7,125/pr

## BBSM-8F 3-Way Speaker

Two 8-in polypropylene woofers, one 4-in midrange, and one 1-in dome tweeter. Power handling 100 W; FR 65 Hz-18 kHz; sens 93 dB; imp 4 ohms. 13 x 26 x 16½ in; 105 lb ..... \$6,139/pr

## BBSM-6F 3-Way Minispeaker

Two 6½-in polypropylene woofers, one 4-in midrange, and one 1-in dome tweeter. Power handling 60 W; FR 60 Hz-20 kHz; sens 91 dB; imp 4 ohms. 10½ x 22 x 13 in; 67 lb ..... \$4,999/pr

## BBSM-4F 2-Way Minispeaker

Two 4-in polypropylene woofers and ¾-in dome tweeter. Power handling 50 W; FR 65 Hz-20 kHz; sens 89 dB; impedance 4 ohms. 8 x 15 x 10 in; 31 lb ..... \$3,250/pr

## LC-Series

The following have extensive acoustical dampening, dual-banana 5-way binding posts, and a satin walnut veneer. Speakers muffs optional.

## Lc8.1SW Subwoofer

Dual 10-in polypropylene woofers. Integrated passive crossover for single or biamp operation. Includes cables and port plugs. Power handling 160 W; FR 36 Hz-18 kHz; sens 90.5 dB; imp 5 ohms. 28¾ x 13¾ x 14¾ in; 105 lb ..... \$5,999/pr

## Lc3w12 3-Way Bookshelf Speaker

12-in polypropylene woofer, 6½-in midrange, and 1-in tweeter. Integrated passive crossover for single or bi-amp operation. Power handling 100 W; FR 38 Hz-20 kHz; sens 88 dB; imp 5 ohms. 15 x 25 x 15½ in; 80 lb ..... \$4,699/pr

Lc3w10. As above, 10-in polypropylene woofer, 5-in midrange. Power handling 80 W; FR 42 Hz-20 kHz. 12¼ x 21½ x 13¾ in; 69 lb ..... \$3,838/pr

## Lc8.1 2-Way Bookshelf Speaker

8-in polypropylene woofer and 1-in dome tweeter. Aligned signal path; magnetic shielding available. Power handling 85 W; FR 55 Hz-18 kHz; sens 90.5 dB; imp 7 ohms. 18 x 10 x 11½ in; 31 lb ..... \$2,175/pr

## Lc265.1 2-Way Center-Channel Speaker

Two 6½-in woofers, one 5-in midrange with coaxially mounted 1-in tweeter. Integrated passive crossover for single or bi-amp operation. Power handling 95 W; FR 48 Hz-18 kHz; sens 91 dB; imp 5 ohms. 8½ x 22 x 11 in; 42 lb ..... \$1,875

## Lc6.75 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in polypropylene woofer and ¾-in dome tweeter. Aligned signal path; magnetic shielding available. Power handling 80 W; FR 60 Hz-18 kHz; sens 87.5 dB; imp 7 ohms. 16 x 8 x 10½ in; 22 lb ..... \$1,659/pr

## WHARFEDALE

### Heritage Signature 4-Way Speaker

Rear-ported bass-reflex design with two 8-in long-throw woofers, one 8-in woofer with 2-in voice coil, 3-in silk-dome midrange, and 1-in ferrofluid-cooled/damped silk-dome tweeter. Fire-retardant acrylic wadding. Biampable binding posts. Power handling 600 W; FR 32 Hz-20 kHz; sens 91 dB; imp 8 ohms. Light oak, cherry wood, or rosewood veneer. 9 x 40 x 16 in ..... \$5,000/pr

### Emerald 97 2-Way Speaker

Rear-ported bass-reflex design with 7-in long-throw mineral-loaded polypropylene-cone woofer with high-temperature 1-in voice coils and 1-in ferrofluid-cooled-and-damped silk-dome tweeter. Fire-retardant acrylic wadding. Biampable binding posts. Power handling 150 W; FR 48 Hz-20 kHz; sens 89 dB; imp 8 ohms. Light oak, cherry wood, or rosewood veneer. 9 x 36 x 11 in ..... \$2,000/pr  
**Emerald 95.** As above, power handling 100 W. 9 x 34 x 11 in ..... \$1,700/pr  
**Emerald 93.** As Emerald 95, 9 x 19 x 11. \$1,300/pr

### Modus Monitor MFM5 3-Way Speaker

Bass-reflex design with 7-in long-throw woofer and 7-in midrange, both with mineral-loaded polypropylene cone and high-temperature voice coils, and 1-in doped silk-dome tweeter with ferrofluid cooling. Mineral-loaded polypropylene baffle for improved dispersion and frequency response. Biampable 3-way binding posts. Power handling 125 W; FR 38 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black ash or rosewood. 8¾ x 33¾ x 11½ in; 25 lb ..... \$1,300/pr

### Modus Music Eight 3-Way Speaker

Rear-ported bass-reflex design with 7-in long-throw woofer and midrange, both with mineral-loaded polypropylene cones and high-temperature voice coils, and ¾-in damped silk tweeter with ferrofluid cooling. Fire-retardant acrylic wadding. Biampable 3-way binding posts. Power handling 125 W; FR 38 Hz-20 kHz; sens 90 dB; imp 8 ohms. Black or rosewood. 8¾ x 36¾ x 11½ in; 25 lb ..... \$1,250/pr

### Valdus 500 3-Way Speaker

Bass-reflex design with two 8-in long-throw woofers, one 8-in pulp-cone midrange, and one 2-in ferrofluid-cooled dome tweeter. 6-dB/oct networks; fire-retardant acrylic wadding; ½-in particleboard construction; tweeter fuse. 3-way binding posts. Power handling 200 W; FR 38 Hz-20 kHz; sens 95 dB; imp 8 ohms. Black ash finish. 10 x 43¼ x 11½ in; 33 lb ..... \$1,000/pr  
**Valdus 400.** As above, single woofer; 6-dB/oct networks. Power handling 150 W; FR 38 Hz-20 kHz; sens 94 dB; imp 8 ohms. 10 x 32 x 10½ in. \$750/pr

### SW-15 Powered Subwoofer

Acoustic-suspension design with 15-in driver;

150-W amp. Line- and speaker-level inputs. Auto on/off switch. FR 20-93 Hz; sens 112 dB. Black with removable black grilles ..... \$900

### Modus Four 2-Way Speaker

Rear-ported bass-reflex design with 7-in long-throw woofer with mineral-loaded polypropylene cone and high-temperature voice coil and ¾-in damped silk-tweeter with ferrofluid cooling. Rotating tweeter assembly; fire-retardant acrylic wadding. Biampable 3-way binding posts. Power handling 100 W; FR 45 Hz-20 kHz; sens 89 dB; imp 8 ohms. Black or rosewood. 8¾ x 22½ x 11½ in; 21 lb ..... \$750/pr

**Modus Two.** As above, bookshelf version. FR 48 Hz-20 kHz. 8¾ x 16 x 11½ in; 13 lb ..... \$550/pr

**Modus Monitor MFM1.** As above, 1-in doped silk-dome tweeter with ferrofluid cooling. No rotating tweeter assembly or fire-retardant acrylic wadding. Front baffle made of mineral-loaded polypropylene for improved dispersion and frequency response. 8¾ x 19½ x 11½ in; 21 lb ..... \$700/pr

### Modus Powered Sub-Bass Powered Subwoofer

Two 7-in long-throw woofers with 1-in high-temperature voice coils; amp rated at 150 W. Fire-retardant acrylic wadding. Binding posts for speaker-level input; line-level RCA inputs. Master volume control; crossover frequency control; polarity switch; mains power switch. FR 30-150 Hz. Black ash finish. 8¾ x 16¾ x 22½ in ..... \$700

### SW-12 Powered Subwoofer

Acoustic-suspension design with 12-in driver; 150-W amp. Line- and speaker-level inputs. Auto on/off switch. FR 21-105 Hz; sens 112 dB. Black with removable black grilles ..... \$650

### Diamond 7.3 2-Way Speaker

Rear-ported bass-reflex design with 5¼-in mineral-loaded polypropylene-cone woofer and 1-in silk soft-dome tweeter. 1st-order crossover network; mineral-loaded polypropylene baffle and back plate interconnected for cabinet rigidity. 3-way binding posts. Includes plinth. Power handling 100 W; FR 38 Hz-20 kHz; sens 87 dB; imp 8 ohms. Black ash finish. 28 x 11½ x 9 in; 11 lb ..... \$600/pr  
**Diamond 7.2.** As above, no plinth. FR 44 Hz-20 kHz. 7¾ x 11¾ x 9 in; 7 lb ..... \$350/pr

### Diamond Anniversary 2-Way Speaker

Rear-ported bass-reflex design with 5¼-in long-throw mineral-loaded polypropylene-cone woofer with high-temperature 1-in voice coil and 1-in ferrofluid-cooled-and-damped silk-dome tweeter. Fire-retardant acrylic wadding. Biampable binding posts. Power handling 100 W; FR 44 Hz-20 kHz; sens 89 dB; imp 8 ohms. Light oak, cherry wood, or rosewood veneer. 7½ x 12 x 9 in; 7 lb ..... \$599/pr

### Valdus 300 2-Way Bookshelf Speaker

Bass-reflex design with 8-in long-throw woofer and 1-in ferrofluid-cooled dome tweeter. Fire-retardant acrylic wadding; ½-in-thick particleboard construction; tweeter fuse; 6-dB/oct network. Spring-clip terminals. Power handling 100 W; FR 45 Hz-20 kHz; sens 92 dB; imp 8 ohms. Black ash finish. 10 x 18¾ x 9 in; 21 lb ..... \$450/pr  
**Valdus 200.** As above, 7-in woofer. FR 48 Hz-20 kHz; sens 91 dB; imp 8 ohms. 8¾ x 15¾ x 9 in; 17 lb ..... \$350/pr  
**Valdus 100.** As above, 5-in woofer. FR 58 Hz-20 kHz; sens 90 dB; imp 8 ohms. 6¾ x 10¾ x 7¾ in; 13 lb ..... \$250/pr

### SW-10 Powered Subwoofer

Acoustic-suspension design with 10-in driver; 75-W amp. Line- and speaker-level inputs. FR 27-100 Hz; sens 110 dB. Black with removable black grilles ..... \$400

### Modus Sub-Bass Subwoofer

Tuned bandpass design with two 6½-in long-throw woofers. Front baffle molded in damped mineral-loaded polypropylene; fire-retardant acrylic wadding. Power handling 100 W/driver; FR 35-120 Hz;

# Speakers

sens 88 dB; imp 8 ohms. Black ash vinyl finish. 8 1/4 x 19 1/2 x 15 1/4 in .....\$399

## Modus Micro 2-Way Bookshelf Speaker

Rear-ported bass-reflex design with 4-in woofer and 1/2-in silk-dome tweeter. Rotating tweeter housing; time-aligned drivers; magnetic shielding. Stand and wall-mount bracket optional. Power handling 75 W; FR 100 Hz-22 kHz; sens 86 dB; imp 8 ohms. White. 5 1/4 x 9 1/4 x 4 1/4 in .....\$325/pr  
Black finish .....\$299/pr

## Diamond 7.1 2-Way Speaker

Rear-ported bass-reflex design with 5/4-in laminated-cone woofer with long-throw voice coil and 1-in polycarbonate flared-dome tweeter. 1st-order crossover networks; mineral-loaded polypropylene baffle and back plate interconnected for cabinet rigidity. 3-way binding posts. Power handling 100 W; FR 48 Hz-20 kHz; sens 87 dB; imp 8 ohms. Black ash finish. 7 1/2 x 11 1/2 x 7 in; 7 lb .....\$250/pr

## Modus Cube Bookshelf Speaker

Rear-ported bass-reflex design with 4-in pulpcone driver. Magnetic shielding. Power handling 75 W; FR 100 Hz-15 kHz; sens 87 dB; imp 8 ohms. White. 5 1/4 x 6 1/2 x 4 1/4 in .....\$225/pr  
Black finish .....\$199/pr

## WHITEHALL AUDIO PRODUCTS

*The following use a bass-reflex design.*

### Model 20 3-Way Speaker

12-in woofer, 4-in midrange, and 2-in tweeter. Power handling 150 W max; crossover points 800 Hz and 6 kHz; FR 30 Hz-23 kHz; imp 8 ohms. 23 x 14 x 13 in; 35 lb .....\$400/pr

### Model 15 2-Way Speaker

10-in woofer and 2-in tweeter. Crossover 3 kHz; FR 40 Hz-20 kHz. 12 x 21 x 10 1/2 in .....\$280/pr

### Model 10 2-Way Speaker

8-in woofer and 2-in tweeter. Crossover point 3.5 kHz; FR 60 Hz-20 kHz. 12 x 17 1/2 x 8 in .....\$200/pr

### Model 5W 2-Way Speaker

5-in woofer and 1 1/2-in tweeter. Crossover point 6 kHz; FR 80 Hz-20 kHz. 7 x 11 x 8 in .....\$180/pr

## WILSON AUDIO

### WAMM Subwoofer/Satellite System

4-speaker system with two subwoofer towers, each with one 15-in driver; two satellite tower arrays, each with two KEF B-139 reaction-molded polymer flat-piston woofers, two M-6 midranges, and one electrostatic tweeter. Fine tuning in time and frequency domains; patented time-domain adjustment for midrange and tweeter through pulse-alignment calibration mechanism made from machine-cut aerospace alloys; midrange modules and baffle machined from solid ceramic and mineral-filled methacrylate polymer; subwoofer with 24-dB/oct Butterworth active crossover and biampification. Includes parametric EQ and satellite-array stands. Power handling 1,400 W; FR 17 Hz-30 kHz +0, -4 dB system; sens 99 dB; imp 16 ohms subwoofer, 4 ohms satellite. Choice of over 100 wood veneers or hand-rubbed custom-matched painted finish; price varies with type of finish. 5-yr parts-and-labor warranty. Subwoofer: 24 x 78 x 15 in; satellite: 18 1/2 x 78 x 31 1/2 in, 1,500 lb total .....\$156,000/pr

### X-1/Grand Slamm 5-Way Speaker

Built-in 15-in subwoofer, one 12-in woofer, two 6 1/2-in midranges, one 1-in inverted-titanium-dome tweeter, and two 1-in titanium supertweeters. Power handling 1600 W; FR 17.5 Hz-27 kHz +0, -4 dB; sens 95 dB; imp 8 ohms. 16 x 72 x 25 in; 1,400 lb .....\$75,900/pr

### MAXX 3-Way Speaker

Bass-reflex design with one 13-in woofer, one 11-

in woofer, two 6 1/2-in midranges, and one 1-in titanium-dome tweeter. Power handling 1400 W; crossover points 150 Hz and 1.5 kHz; FR 20 Hz-20 kHz; sens 92 dB; imp 4 ohms. Paintable. 5-yr warranty. 16 1/4 x 61 x 23 1/4 in; 400 lb .....\$38,900/pr

### XS Subwoofer

Dual-ported bass-reflex design with two 18-in woofers. Recommended minimum amp power of 100 W/ch. Wood finish and automotive-quality paint finish optional. Power handling 2,000 W; FR 15-50 Hz  $\pm 1.5$  dB; sens 95 dB; imp 4 ohms. Black laminate finish. 5-yr limited warranty. 26 x 84 x 28 in; 700 lb .....\$16,950

### WITT Series 2 3-Way Speaker

Bass-reflex design with 13-in woofer, 6 1/2-in midrange, and 1-in inverted titanium-dome tweeter. Power handling 600 W; crossover points 125 Hz and 1.5 kHz; FR 28 Hz-22 kHz  $\pm 1.5$  dB; sens 90 dB; imp 4 ohms. Paintable. 5-yr warranty. 17 x 43 x 16 in; 230 lb .....\$11,890/pr

### WHOW-U Subwoofer

15-in woofer. Designed for use as coffee table. Active crossover; frequency contour network; remote power supply; solid synthetic-granite cabinet. Power handling 800 W; crossover point 55 Hz; FR 23-55 Hz; sens 94 dB; imp 8 ohms. Wilsongloss colors; other finishes including custom color matching available at extra cost. 39 1/2 x 16 x 29 1/2 in; 350 lb .....\$10,945

### Puppy 5.1 Subwoofer

Bass-reflex design with two 8-in polymer-based drivers. Designed for use with Watt 5 speakers. Asymmetrically cross-partitioned enclosure. Self-cableing does not require additional amp or cabling if used with Watt 5 speakers. Includes adjustable floor spikes. Power handling 800 W; FR 28-125 Hz +0, -4 dB passive mode; sens 93 dB; imp 4 ohms. Medium oak, American walnut, Bolivian rosewood, zebrawood, or black-anodized-metal finish; other automotive-grade and wood side-panel finishes available at extra cost. 5-yr limited transferable parts-and-labor warranty. 11 1/4 x 24 x 16 in; 190 lb .....\$8,660/pr

### Watt 5 2-Way Bookshelf Speaker

Ported QB3 design with 7-in woofer and 1-in titanium-dome tweeter. Designed for use with the Puppy 5.1. Enclosure constructed of mineral- and ceramic-filled methacrylate polymer; quasi 3rd-order Butterworth bass response; crossover with multiple slopes; time-coherent wiring. Power handling 800 W; FR 55 Hz-21 kHz  $\pm 3$  dB; sens 93 dB; imp 4 ohms. Medium oak, American walnut, Bolivian rosewood, zebrawood, or black-anodized metal finish; other automotive-grade and wood side-panel finishes other finishes available at extra cost. 5-yr limited transferable parts-and-labor warranty. 12 x 14 x 16 1/2 in; 140 lb .....\$8,610/pr

### CUB 2-Way Speaker

Bass-reflex design with two 6 1/2-in woofers and 1-in tweeter. Power handling 25-400 W; FR 50 Hz-22 kHz  $\pm 1.5$  dB; sens 94 dB; imp 4 ohms. Black laminate; other finishes available at extra cost. 5-yr limited warranty. 10 x 19 x 22 in; 80 lb .....\$5,900/pr

## WILSON BENESCH

### Act 1 3-Way Speaker

Bass-reflex design with 6 1/2-in carbon-fiber woofer, 6 1/2-in carbon-fiber midrange, and 1-in woven-silk dome tweeter. Carbon-fiber cabinet to eliminate vibration; double-reflex cabinet with 5 separate

chambers; minimum phase 6-dB/oct crossovers; silver hook-up wire. Three pair copper 3-way binding posts. Includes stainless-steel spikes. Power handling 200 W; crossover points 400 Hz and 3 kHz; FR 40 Hz-20 kHz  $\pm 2.5$  dB; sens 89 dB; imp 6 ohms. Solid cherrywood with black grille. 9 x 4 1/2 x 14 1/2 in; 75 lb .....\$10,500/pr  
**Act 2.** As above, no carbon-fiber cabinet, silver hook-up wire, or stainless-steel spikes. Double-reflex cabinet with 5 separate chambers; minimum phase 6-dB/oct crossovers. Two pair copper 3-way binding posts .....\$6,500/pr

### Orator 2-Way Speaker

Bass-reflex design with 7-in compressed-polymer woofer and 3/4-in soft-dome tweeter. Power handling 100 W; FR 35 Hz-20 kHz; sens 89 dB; imp 8 ohms. 9 x 38 x 14 in; 45 lb .....\$4,995/pr

## WELCOTT AUDIO

### Omnisphere MDH-2B 2-Way Speaker

Bass-reflex design with four 6 1/2-in woofers and one 1 1/2-in silk-dome tweeter. Tweeter-overload protection. 5-way binding posts. Includes casters. Power handling 250 W; crossover point 1.8 kHz; FR 30 Hz-18 kHz  $\pm 3$  dB; sens 90 dB; imp 6 ohms. High-gloss black lacquer. 21 x 48 x 21 in; 110 lb .....\$6,250/pr

**Omnisphere MDH-2D.** As above, 1 1/4-in aluminum-dome tweeter. Designed for studio use. Satin-black finish .....\$5,295/pr

## WRIGHT

### Grand Master Subwoofer/Satellite System

4-speaker system with two subwoofers, each with two 12-in drivers; two satellites, each with two 6 1/2-in Kevlar-composite drivers in individual transmission-line sections and one titanium-oxide dome tweeter. Biampable terminals. Includes adjustable floor spikes. Power handling 200 W; crossover point adjustable from 150 Hz-3.6 kHz; FR 20 Hz-23 kHz  $\pm 2$  dB; sens 92 dB; imp 4 ohms. Front facade with dark-red oak finish, black chiffon curtain, and an inset brass and beveled-glass design. 49 x 83 x 22 in; 860 lb .....\$11,500

### Aristocrat 2-Way Speaker

Transmission-line design with 6 1/2-in Kevlar-composite woofer and titanium-oxide dome tweeter. Power handling 100 W; crossover point 3.6 kHz; FR 48 Hz-23 kHz  $\pm 2$  dB; sens 90 dB; imp 8 ohms. Mirrored front, sides, and top. 11 x 45 x 11 in, 55 lb .....\$1,150/pr

### Model 20 2-Way Speaker

Transmission-line design with 6 1/2-in polypropylene woofer and Dynaudio tweeter. Power handling 60 W; crossover point 3 kHz; FR 55 Hz-18 kHz  $\pm 2$  dB; imp 6 ohms. Red oak top and bottom. 10 x 46 x 10 in; 52 lb .....\$750/pr

## XANTECH

*The following use an infinite-baffle design with a 6 1/2-in polypropylene woofer. They have spring-loaded clips, are white with rectangular frames, have a mounting area of 8 1/4 x 11 1/4 in, and a mounting depth of 2 1/4 in. They have a bezel/grille assembly separate from the speaker/baffle assembly to facilitate installation and servicing. Cutouts on the baffles accommodate Xantech Model 480 Dinky Link infrared receiver. The F-63 Bezel/Grille and the F-61 Rough-In Kit are each available for an additional \$50.*

### S66 2-Way In-Wall Speaker

1-in ferrofluid-cooled soft-dome tweeter. Power handling 150 W; crossover point 3.5 kHz; FR 55 Hz-18 kHz  $\pm 2$  dB; sens 89 dB; imp 8 ohms .....\$325/pr

### S64 2-Way In-Wall Speaker

3/4-in ferrofluid-cooled hard-dome tweeter. Power handling 100 W; crossover point 5 kHz; FR 55 Hz-20 kHz  $\pm 3$  dB; sens 91 dB; imp 8 ohms .....\$250/pr

Prices given are "list."

Dealer prices may vary.

# Stereo Review

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Stereo Review  
**THE BASIC  
REPERTORY  
ON COMPACT DISC**

A Critical Discography  
of Symphonic Music

1998 EDITION

BY RICHARD FREED

# Speakers

## S62 2-Way In-Wall Speaker

6½-in polypropylene woofer and 2-in cone tweeter. Power handling 70 W; crossover point 6.5 kHz; FR 60 Hz-16 kHz ±4 dB; sens 87 dB; imp 8 ohms .....\$150/pr

## YAMAHA

YST refers to Yamaha's proprietary Active Servo Technology bass-enhancing circuit.

## CL-S100 Subwoofer/Satellite System

6-piece system with powered subwoofer with 10-in driver and 100-W YST amp; 5 satellite speakers, each with 4-in high polymer-coated woofer and ½-in dome tweeter. Acoustic-suspension design with magnetic shielding for satellites. Subwoofer line- and speaker-level inputs; speaker-level output. Subwoofer auto on/off; volume control; high-cut control. Includes 100-ft speaker wire. Power handling 120 W sat; crossover point 4 kHz sat; FR 25-200 Hz sub, 60 Hz-22 kHz ±3 dB sat; sens 88 dB sat; imp 6 ohms sat. Black matte. Satellite: 6 x 9 x 4¼ in; 4 lb. Subwoofer: 13¼ x 17¼ x 14¼ in; 44¼ lb .....\$699

## YST-SW150 Powered Subwoofer

Two 7¼-in spruce-cone woofers; amp rated at 120 W, 24-dB/oct high-cut filter variable from 40-140 Hz; magnetic shielding. Phase-reverse switch. FR 20-160 Hz. 10 x 24½ x 16¼ in; 40 lb .....\$399

**YST-SW80.** As above with one driver; amp rated at 85 W. Filter variable from 50-150 Hz. FR 23 Hz-170 kHz. 10 x 19¼ x 14¼ in; 28 lb .....\$299

## YST-SW300 Powered Subwoofer

Bass-reflex design with 12-in paper-cone woofer; 185-W amp. Designed for Dolby Digital systems. Discrete-circuitry power amp; magnetic shielding. Line- and speaker-level inputs; speaker-level output. Auto on/off; volume control; high-cut control; phase-control switch; bass action selector system. FR 18-160 Hz. Black matte. 15¼ x 19¼ x 17¼ in; 58 lb .....\$399

## YST-SW40 Powered Subwoofer

Bass-reflex design; 8-in paper-cone woofer; 50-W amp. Magnetic shielding. Speaker- and line-level inputs; speaker-level output. Auto on/off; volume control; high-cut control. FR 30-300 Hz -10 dB; imp 5 ohms. Black matte. 10 x 13¼ x 12¼ in; 18 lb .....\$229

## NS-A1237 3-Way Speaker

Acoustic-suspension design with 12-in high-polymer-coated woofer, 4-in paper midrange, and 1-in urethane foam-laminated cloth-dome neodymium-magnet tweeter. Magnetic shielding. Includes 8-ft 22-gauge speaker wire. Power handling 200 W; crossover points 3 kHz and 13.5 kHz; FR 35 Hz-20 kHz ±3.5 dB; sens 92 dB; imp 8 ohms. Micro-pebble black. 14¼ x 39¾ x 13¼ in; 44 lb .....\$199

**NS-A2837.** As above, two 8-in high-polymer-coated woofers. Power handling 160 W; crossover points 4.2 kHz and 9.1 kHz; FR 50 Hz-20 kHz ±3.5 dB. 10½ x 41 x 14 in; 37 lb .....\$199

## NS-A637 3-Way Bookshelf Speaker

Acoustic-suspension design with 8-in high-polymer-coated woofer, 4-in midrange, and ¾-in ferrofluid-cooled dome tweeter. Magnetic shielding. Power handling 140 W max; FR 90 Hz-20 kHz ±3.5 dB; sens 91 dB; imp 8 ohms. Micro-pebble black finish. 10½ x 16¼ x 12½ in .....\$150/pr

## NS-A837 3-Way Bookshelf Speaker

Acoustic-suspension design with 12-in high-polymer-coated woofer, 4-in midrange, and 1-in urethane foam-laminated cloth-dome neodymium-magnet tweeter. Magnetic shielding. Power handling 200 W max; FR 40 Hz-20 kHz ±3.5 dB; sens 92 dB; imp 8 ohms. Micro-pebble black finish. 14¼ x 22½ x 14¼ in .....\$150

## NS-A327 2-Way Satellite Speaker

Acoustic-suspension design with 3½-in paper woofer and ¾-in Mylar-dome tweeter. Magnetic shielding. Power handling 120 W max; FR 150 Hz-

22 kHz ±3 dB; sens 87 dB; imp 6 ohms. Black. 7 x 4¼ x 3¼ in .....\$149/pr

## NS-AC142 2-Way Center-Channel Speaker

Acoustic-suspension design with two 5½-in polypropylene woofers and 1-in urethane foam-laminate neodymium-magnet tweeter. Magnetic shielding. Tweeter-level control. Power handling 160 W; FR 60 Hz-20 kHz ±3.5 dB; sens 90 dB; imp 8 ohms. Micro-pebble black. 19 x 6¾ x 7¼ in; 12 lb .....\$149/pr

## NS-A527 2-Way Bookshelf Speaker

Acoustic-suspension design with 6-in high-polymer-coated woofer and ¾-in ferrofluid-cooled dome tweeter. Power handling 60 W max; FR 95 Hz-20 kHz ±3.5 dB; sens 90 dB; imp 8 ohms. Micro-pebble finish. 8 x 12 x 8½ in .....\$125/pr

## NS-E103 Surround Speaker

Bass-reflex design with magnetic shielding. Power handling 25 W; FR 70 Hz-20 kHz; imp 6 ohms. White. 7 x 8¼ x 4 in; 3 lb .....\$118/pr

## Home Theater Speakers

### NS-AP150 Center/Surround System

3-speaker system with center speaker and two surround speakers, each with 5-in woofer and ¾-in ferrofluid-cooled dome tweeter. Magnetic shielding. Power handling 100 W max; FR 80 Hz-20 kHz ±3.5 dB center, 90 Hz-20 kHz ±3.5 dB surround; sens 90 dB center and surround; imp 8 ohms center and surround. Micro-pebble black finish .....\$179

### NS-C150 2-Way Center-Channel Speaker

Two 4-in polypropylene woofers and one 1-in dome tweeter. Angled front baffle for placement above or below video screen; magnetic shielding. Power handling 220 W max; FR 60 Hz-20 kHz; sens 90 dB. Matte black. 23¼ x 5½ x 7¼ in; 13 lb .....\$179

### NS-AP101 Center/Surround System

3-speaker system with center speaker with two 5-in woofers and one 2-in cone tweeter; two surround speakers, each with 5-in driver. Power handling 80 W max; FR 70 Hz-20 kHz center, 95 Hz-13 kHz surround; sens 90 dB center, 89 dB surround; imp 8 ohms center, 6 ohms surround. Black-micro pebble finish .....\$149

### NS-E60 Surround Speaker

Bass-reflex design with 4-in driver. Downward tilting design for wall mounting. Power handling 25 W; FR 70 Hz-20 kHz; imp 6 ohms. White. 7¼ x 9¼ x 4¼ in .....\$118/pr

## YANKEE

### FPR-78 PM Ribbon Speaker

1,640 sq-in single-diaphragm planar-foil ribbon. Proprietary Litz internal wiring. Gold-plated 5-way binding posts. Power handling 100 W; FR 22 Hz-20 kHz ±2 dB; sens 90 dB; imp 4 ohms. 36 x 78 x 3½ in; 225 lb .....\$19,800/pr

**FPR-72 MkIII.** As above, smaller diaphragm. FR 29 Hz-20 kHz ±2 dB; imp 3 ohms. 29½ x 72 x 3½ in; 135 lb .....\$13,800/pr

### FPR-V 2-Way Hybrid Ribbon Speaker

Subwoofer with 8-in driver and 708-square-in planar ribbon mid/tweeter element. Min input power 50 W. Power handling 100 W; crossover point 90 Hz; FR 27 Hz-20 kHz; sens 90 dB; imp 4 ohms. Black knit grille, hand-rubbed cardinal wood; optional solid-wood finish. 24-in wide x 73-in high; 135 lb .....\$6,500/pr

### FPR-III 2-Way Hybrid Ribbon Speaker

Subwoofer with 6½-in driver and 531-square-in planar ribbon mid/tweeter element. Min input power 50 W. Power handling 100 W; crossover point 125 Hz; FR 35 Hz-20 kHz; sens 90 dB; imp 4 ohms. Black knit grille, hand-rubbed cardinal wood; optional solid-wood finish. 20-in wide x 73-in high; 100 lb .....\$4,400/pr

**FPR-VII.** As above, 280-square-in planar ribbon mid/tweeter element. 18-in wide x 73-in high; 85 lb .....\$2,200/pr

# Headphones

## How to keep great sound to yourself

With headphones you can listen to music at satisfying levels at any time without disturbing those around you. And with headphones that exclude external noise, others won't disturb you, either. Headphones avoid the vagaries of room acoustics, which means that they will sound the same in almost any environment. A good set of phones can often sound as good as a pair of speakers many times more expensive.

Headphone styling, comfort, and construction offer an amazing array of choices. You can wear phones that fit in your ears, on your ears (supra-aural), or around your ears (circumaural). Supra-aural and circumaural phones can be held in place by clips around your ears or a headband. Ear cushions can be made



**SENNHEISER HD 400**

of foam, vinyl, or leather, or even be filled with silicone gel. Some headphone cords have wires running to each earpiece, while others attach only to one earpiece and run the other wire through the headband, which is usually less restricting. Some cords are straight and others coiled.

A newer breed of headphones come with wireless transmitters, using either infrared or radio waves, that beam the

audio signal to a receiver in the earpieces. Cordless phones that use radio waves offer greater freedom of movement and can even be used in a different room from your audio gear or TV.

Noise-canceling headphones not only passively block noise by sealing the phones to your ears but also use a microphone connected to electronic circuitry to invert the phase of the noise and feed it back into the phones, effectively canceling much of it. These work best on constant low-frequency noise and are thereby welcomed by travelers who have to contend with the ambient noise of trains, planes, and buses.

Dynamic headphones work like miniature conventional speakers, while electrostatic phones, an elite and expensive minority, require their own power supplies, not just an amplified signal. Some dynamic phones use neodymium magnetic material, which has a stronger magnetic field than ordinary iron alloys, allowing the phones to be lighter and more sensitive.

Generally, the very small and light earphones and headphones packaged with portable gear aren't designed for use with home components, and we don't include them in our listings. If you plan to listen with headphones at home, spend a little more for a true high-fidelity model with wide dynamic range (these start at about \$60). You can obtain about the same quality of sound from both open and closed headphone designs, so choose whatever fits your taste and environment — and feels best for long-term wear. — Rich Warren

### ADVENT

#### AW 770 Wireless Headphone System

40-mm titanium-impregnated diaphragms; neodymium magnets; transmitter. Self-adjusting headband; soft earcups; operates on AAA batteries; built-in battery charger. Includes 2 AAA batteries ... \$150

#### AW 720 Wireless Headphone System

32-mm titanium-impregnated diaphragms; neodymium magnets; transmitter. Self-adjusting headband; soft earcups; operates on AAA batteries; built-in battery charger. Includes 2 AAA batteries ... \$130

### AIWA

#### HP-XV313 Headphones

16-ft, 5-in OFC cord with 24k-gold-plated mini-plug. 35-mm drivers with neodymium magnets. In-line volume-control; mono/stereo switch; adjustable headband. Includes phone-plug adapter. FR 5 Hz-23 kHz ... \$60

#### HP-X311 Headphones

9-ft, 10-in OFC cord with 24k-gold-plated mini-plug. Folding design; 35-mm drivers with neodymium magnets. Adjustable headband. Includes phone-plug adapter. FR 5 Hz-23 kHz ... \$35

#### HP-A371 Open-Air Headphones

6-ft, 7-in cord. 35-mm drivers with neodymium magnets. FR 10 Hz-22 kHz ... \$25

#### HP-X211 Headphones

9-ft, 10-in OFC cord with 24k-gold-plated mini-plug. Folding design; 28-mm drivers. Adjustable headband. Includes phone-plug adapter. FR 15 Hz-20 kHz ... \$25

### AKG ACOUSTICS

#### K1000 Open-Air Headphones

3-m OFC cord with gold-plated XLR plug. Linear magnet system; direct connection to power amps. Power handling 100 mW; FR 30 Hz-25 kHz; sens 74 dB; imp 120 ohms. 10 oz ... \$1,456

#### K270S Headphones

9¼-ft cord. Single-side cord entry; gold-plated phone plug. Parabolic dual-transducer design; auto shut-off. Power handling 200 mW; FR 20 Hz-20 kHz; sens 92 dB; imp 75 ohms. 10 oz ... \$320

#### K501 Open-Air Headphones

3-m cord with gold-plated miniplug. 45-mm drivers; circumaural design. Includes gold-plated phone-plug adapter. Power handling 200 mW; FR 16 Hz-30 kHz; sens 94 dB. 8 oz ... \$226

#### K401 Open-Air Headphones

3-m cord with gold-plated miniplug. 45-mm diaphragm. Includes gold-plated screw-on phone-plug adapter. Power handling 200 mW; FR 18 Hz-28 kHz; sens 94 dB. 8 oz ... \$187

#### K240M Headphones

9¼-ft cord. Single-side cord entry with gold-plated miniplug. Includes phone-plug adapter. Power handling 200 mW; FR 15 Hz-20 kHz; sens 88 dB; imp 600 ohms. 9 oz ... \$173

**K240DF.** As above based on European performance requirements for reference headphones ... \$192

#### K301 Open-Air Headphones

3-m cord with gold-plated miniplug. 45-mm diaphragm. Includes gold-plated screw-on phone-plug adapter. Power handling 200 mW; FR 20 Hz-25 kHz; sens 94 dB; imp 100 ohms. 8 oz ... \$161

#### K141M Headphones

9¼-ft cord. Single-side cord entry with gold-plated miniplug. Supra-aural design. Includes phone-plug adapter. Power handling 200 mW; FR 20 Hz-20 kHz; sens 97.5 dB; imp 600 ohms. 8 oz ... \$138

#### K100 Headphones

3-m cord. Supra-aural design. Self-adjusting head-

# Headphones

band. Includes gold-plated adapter. FR 20 Hz-28 kHz; sens 103 dB. 8 oz .....\$124

## K70 Headphones

3-m cord. Supra-aural design; dynamic-element driver. Self-adjusting headband. Includes gold-plated adapter. FR 20 Hz-20 kHz; sens 105 dB. 8 oz .....\$61

## AUDIO-TECHNICA

### ATH-910 Headphones

9¼-ft cord with phone plug. Circumaural closed-back design; Samarium-cobalt magnets; large-diameter drivers; OFC CCAW voice coils. Adjustable double headband. Power handling 120 mW; FR 20 Hz-22 kHz; sens 92 dB. 7 oz .....\$115

### ATH-908 Headphones

9¼-ft cord with phone plug. Circumaural closed-back design; Samarium-cobalt magnets; large-diameter drivers; OFC voice coils. Adjustable double headband. Power handling 120 mW; FR 20 Hz-20 kHz; sens 90 dB. 7 oz .....\$95

### ATH-M3X Headphones

9¼-ft cord with miniplug. Closed-back design. Adjustable headband. Includes phone-plug adapter. Power handling 100 mW; FR 20 Hz-21 kHz; sens 100 dB. 5 oz .....\$50

### ATH-M2X Headphones

11½-ft cord with miniplug. Open-back design. Adjustable headband. Includes phone-plug adapter. Power handling 100 mW; FR 20 Hz-20 kHz; sens 100 dB. 4 oz .....\$40

### ATH-P5 Headphones

3¾-ft cord with miniplug. 40-mm drivers with neodymium magnets; supra-aural open-back design. Adjustable headband. Includes phone-plug adapter. Power handling 100 mW; FR 20 Hz-20 kHz; sens 100 dB. 3 oz .....\$30

### ATH-P3 Headphones

3¾-ft cord with miniplug. Supra-aural open-back design. Adjustable headband. Includes phone-plug adapter. Power handling 100 mW; FR 20 Hz-20 kHz; sens 98 dB. 3 oz .....\$25

## BEYERDYNAMIC

### DT 931 Open-Air Headphones

10-ft coiled cord with gold-plated miniplug. Neodymium magnet driver. Includes phone-plug adapter. Power handling 50 mW; FR 5 Hz-35 kHz; sens 113 dB; imp 250 ohms. 10 oz .....\$319

### DT 911 Open-Air Headphones

6-ft coiled cord with gold-plated miniplug. Circumaural design; dynamic transducers using triple rare-earth magnets. Includes phone-plug adapter. Power handling 50 mW; FR 5 Hz-35 kHz; sens 115 dB; imp 250 ohms. 10 oz .....\$249

### DT 831 Headphones

10-ft coiled cord. Neodymium magnets; computer design diaphragms. Includes phone-plug adapter. Power handling 50 mW; FR 5 Hz-32 kHz; sens 113 dB. 10 oz .....\$240

### DT 901 Headphones

6-ft coiled cord with gold-plated miniplug. Closed design with circumaural earpads; bass-reflex technology; triple rare-earth magnets. Includes phone-plug adapter. Power handling 50 mW; FR 5 Hz-32 kHz; sens 115 dB; imp 250 ohms. 11 oz .....\$239

### DT 811 Open-Air Headphones

6-ft coiled with gold-plated miniplug. Neodymium magnet; circumaural design; bass-reflex technology. Includes phone-plug adapter. Power handling 100 mW; FR 5 Hz-30 kHz; sens 114 dB; imp 250 ohms. 6 oz .....\$199  
**DT 801.** As above with closed circumaural design and rare-earth magnet. Power handling 100 mW;

FR 10 Hz-30 kHz; sens 114 dB; imp 250 ohms. 7 oz .....\$189

### DT 531 Open-Air Headphones

6-ft coiled cord with gold-plated miniplug. Circumaural design. Includes phone-plug adapter. Power handling 100 mW; FR 10 Hz-30 kHz; sens 115 dB; imp 250 ohms. 6 oz .....\$179

### DT 511 Headphones

6-ft coiled cord with gold-plated phone plug. Circumaural design. Power handling 100 mW; FR 10 Hz-22 kHz; sens 106 dB; imp 40 ohms. 5 oz .....\$159

### DT 431 Open-Air Headphones

7½-ft straight cord with miniplug. Circumaural open design. Includes phone-plug adapter. Power handling 100 mW; FR 15 Hz-20 kHz; imp 40 ohms. 6 oz .....\$129

### DT-411 Open-Air Headphones

7½-ft straight cord with gold-plated miniplug. Supra-aural open design. Includes phone-plug adapter. Power handling 100 mW; FR 15 Hz-20 kHz; sens 122 dB; imp 40 ohms. 3 oz .....\$109

### DT 331 Open-Air Headphones

7½-m straight cord with miniplug. Circumaural open design. Power handling 100 mW; FR 20 Hz-20 kHz; sens 106 dB; imp 40 ohms. 6 oz .....\$99

### DT 131 Open-Air Headphones

12-ft cord. Dynamic transducers; single-side cord entry; replaceable soft earpads. Includes mini-plug adapter. Power handling 50 mW; FR 20 Hz-18 kHz; sens 113 dB. 4 oz .....\$49

### DT 211TY Open-Air Headphones

25-ft straight cable with phone plug. L/R volume control on cable. Includes phone-plug adapter. Power handling 100 mW; FR 30 Hz-18 kHz; sens 118 dB; imp 40 ohms. 3 oz .....\$49

## DENON

*The following all have simulated leather earpads, a 10-ft cord with gold-plated miniplug, and include a screw-on ¼-inch phone-plug adapter.*

### AH-D950 Headphones

50-mm drivers with neodymium magnets; 6N OFC voice coils and cable; vapor-deposited-diamond diaphragms. Power handling 1500 mW; FR 2 Hz-31 kHz; sens 106 dB; imp 30 ohms. 9 oz .....\$165

### AH-D750 Headphones

50-mm drivers with neodymium magnets; Class 1 linear-crystal OFC voice coils and cable; vapor-deposited titanium diaphragms. Power handling 1500 mW; FR 2 Hz-30 kHz; sens 106 dB; imp 30 ohms .....\$135

### AH-D650 Headphones

50-mm drivers with neodymium magnets; OFC voice coils and cable. Power handling 1200 mW; FR 3 Hz-29 kHz; sens 106 dB; imp 35 ohms. 7 oz .....\$100

### AH-D550 Headphones

50-mm drivers with neodymium magnets; copper-clad aluminum wire for voice coils and cable. FR 3 Hz-28 kHz; sens 106 dB; imp 35 ohms. 7 oz .....\$80

### AH-D350 Headphones

40-mm drivers; polymer-film diaphragms; copper-clad aluminum-wire voice coils. Power handling 800 mW; FR 4 Hz-26 kHz; sens 104 dB; imp 32 ohms. 8 oz .....\$65  
**AH-D210.** As above with different driver housing. Reversible earcups. FR 5 Hz-26 kHz. 5 oz .....\$55

## DISCWASHER

### NRH200 Noise-Canceling Headphones

6-ft cord with miniplug. Includes headphone with connected battery pack for 9-V battery .....\$140  
**Model 1553 Headphones.** Gold-plated plug. Sa-

marium-cobalt drivers. Wide headband .....\$50  
**Model 1550 Headphones.** Gold-plated plugs. Lightweight oversized headband .....\$45  
**Model 1547 Headphones.** Padded, locking headband. Numerically indexed adjustments .....\$30

## EMERSON BY JASCO

### HP3810 Wireless Headphone System

100-ft range. Infrared transmitter with miniplug. L/R volume controls; operates on 2 AAA batteries. Includes AC adapter and RCA-jack adapter for transmitter. FR 20 Hz-15 kHz; imp 32 ohms .....\$100

### AV2800 Wireless Headphone System

100-ft range. RF transmitter; battery powered; padded headphones include built-in FM radio. Volume control; mono/stereo switch; on/off switch located on headphone; dual transmission frequency. Includes AC adapter. FR 20 Hz-17 kHz; imp 32 ohms .....\$80

### HP3809 Wireless Headphone System

20-ft range. Infrared transmitter with miniplug. Volume control; operates on 2 AAA batteries. Includes AC, RCA-jack, and speaker-mic adapters for transmitter. FR 50 Hz-12 kHz .....\$75

### HP3807 Headphones

3-m cord with miniplug. Single-side cord entry. Adapters for over-ear convertible design; samarium-cobalt magnets. Adjustable headband. Includes phone-plug adapter. FR 20 Hz-20 kHz; sens 105 dB at 1 kHz; imp 32 ohms .....\$35

### HP3806 Headphones

6½-ft cord with miniplug. Single-side cord entry. Drivers with samarium-cobalt magnets. Adjustable headband. Includes gold-plated phone-plug adapter. Power handling 100 mW; FR 20 Hz-20 kHz; sens 102 dB; imp 32 ohms .....\$28

## ETYMOTIC RESEARCH

### ER-4S Sound Isolating Earphones

4-ft cord with miniplug. 20 to 25 dB of sound isolation. Phone-plug adapter. Includes 3 pairs of rubber earplugs, 5 pairs of foam earplugs, carrying pouch, shirt clip, and storage box. FR 20 Hz-16 kHz; sens 98 dB. 1 oz .....\$330

## GRADO LABS

*The following feature vented-polymer diaphragms with air chambers, an adjustable headband, foam-covered earcups, and a 1-year parts-and-labor warranty. Ear cushions are replaceable, cord length is 7 feet and, except for SR60, terminates in phone plug.*

### RS-1 Open-Air Headphones

OFC cord. Wooden air chamber; OFC voice-coil wiring; vented-polymer diaphragms. Adjustable hand-stitched headband; foam-covered earcups. FR 10 Hz-35 kHz; sens 96 dB; imp 32 ohms .....\$695

### Prestige SR325 Open-Air Headphones

Aluminum air chambers; linear-crystal OFC voice-coil wire and cord. FR 18 Hz-24 kHz; sens 96 dB; imp 32 ohms. 11 oz .....\$295

### Prestige SR225 Open-Air Headphones

FR 20 Hz-20 kHz; sens 94 dB; impedance 32 ohms. 8 oz .....\$200

### Prestige SR125 Open-Air Headphones

FR 20 Hz-20 kHz; sens 94 dB; impedance 32 ohms. 8 oz .....\$150

### Prestige SR80 Open-Air Headphones

FR 20 Hz-20 kHz; sens 94 dB; impedance 32 ohms. 8 oz .....\$95

### Prestige SR60 Open-Air Headphones

Miniplug. Copper voice-coil wire. Includes phone-plug adapter. FR 20 Hz-20 kHz; sens 94 dB; imp 32 ohms .....\$69

"The magic of the HD 600s  
is their midrange—a purity of tone...  
that is quite special."  
—Sam Tellig, Stereophile  
February 1998



"WP, KR, and ST are unanimous  
in calling these the best dynamic  
headphones they've ever heard."  
—Stereophile Recommended Component  
April 1998

## makes raves

The Sennheiser HD 600 is, quite simply, the finest dynamic headphone ever created. With its exceptionally smooth frequency response, remarkable clarity, and unparalleled comfort, it virtually speaks for itself. It's reassuring to know, of course, that everyone else seems to agree with what it has to say.

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are a must-audition product—  
even, dare I suggest, a must-own."  
—Wes Phillips, Stereophile  
February 1998

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Manufacturing Plant: Am Labor 1, 30900 Wedemark, Germany

# Headphones

## JVC

### HA-D990 Headphones

9¼-ft cord with 24k gold-plated plug. 40-mm plasma-evaporated-ruby diaphragms; closed design with circumaural earpads. Power handling 100 mW; FR 5 Hz-27 kHz; sens 106 dB; imp 65 ohms. 9 oz .....\$150

### HA-W100RF Wireless Headphone System

150-ft range. 900-MHz transmitter. Single-side volume control. Includes 2 AA batteries, phone-plug adapter, and AC adapter. FR 50 Hz-12 kHz. 11 oz .....\$90

### HA-D810 Headphones

9¾-ft cord with 24k gold-plated plug. 40-mm diaphragms; semi-closed design. Power handling 100 mW; FR 5 Hz-26 kHz; sens 104 dB; imp 32 ohms. 7 oz .....\$80

### HA-D50 Headphones

11½-ft OFC cord with 24k gold-plated miniplug. Single-side cord entry. 42-mm drivers; 180° rotary earcups for single-side monitoring; neodymium magnets. L/R sides touch-identifiable and in braille; self-adjusting headband; control knob for additional adjustment. Includes gold-plated phone-plug adapter. Power handling 100 mW; FR 8 Hz-24 kHz; sens 107 dB; imp 56 ohms. 10 oz .....\$70

### HA-D727 Headphones

11½-ft cord with 24k gold-plated plug. 40-mm diaphragms; closed design; 24k-gold-plated phone-plug adapter. Self-adjusting headband; L/R sides touch-identifiable and in Braille. Power handling 100 mW; FR 15 Hz-24 kHz; sens 106 dB; imp 32 ohms. 7 oz .....\$70

**HA-D626.** As above, sens 107 dB. 6 oz .....\$50  
**HA-D525.** As above, FR 18 Hz-22 kHz; sens 103 dB. 7 oz .....\$45

### HA-D40 Headphones

11½-ft cord with 24k gold-plated miniplug. Single-side cord entry. 40-mm drivers; 180° rotary earcups for single-side monitoring; neodymium magnets. L/R sides touch-identifiable and in braille; self-adjusting headband. Includes gold-plated adapter. Power handling 100 mW; FR 16 Hz-23 kHz; sens 103 dB; imp 32 ohms. 9 oz .....\$50

### HA-D30 Headphones

11½-ft OFC cord. 40-mm drivers; 180° rotary earcups for single-side monitoring. Self-adjusting headband. Includes gold-plated adapter. Power handling 100 mW; FR 18 Hz-23 kHz; sens 102 dB; imp 32 ohms. 8 oz .....\$45

### HA-P75 Headphones

4¾-ft cord with 24k gold-plated right-angle miniplug. 30-mm drivers with neodymium magnets. Single-side monitoring; reversible earcups. Power handling 50 mW; FR 10 Hz-23 kHz; sens 108 dB; imp 32 ohms. 4 oz .....\$45

### HA-CD88 Headphones

6½-ft cord with 24k gold-plated plug. 30-mm diaphragms; Super Bass Sound Systems. L/R sides touch-identifiable and in Braille; 24k-gold-plated adapter. Power handling 50 mW; FR 14 Hz-22 kHz; sens 102 dB; imp 32 ohms. 1 oz .....\$40

### HA-D20 Headphones

11½-ft with 24k gold-plated miniplug. 40-mm drivers; 180° rotary earcups for single-side monitoring. Self-adjusting headband. Includes 24k-gold-plated adapter. Power handling 50 mW; FR 18 Hz-22 kHz; sens 93 dB; imp 32 ohms. 6 oz .....\$35

### HA-V550 Headphones

3-m cord with 24k gold-plated miniplug. 40-mm drivers; super bass ducts for enhanced bass sound. Volume control on cord. Includes gold-plated phone-plug adapter. Power handling 50 mW; FR 8 Hz-20 kHz; sens 103 dB; imp 32 ohms. 4 oz .....\$35

### HA-CD70F Open-Air Headphones

6½-ft with 24k gold-plated right-angle miniplug. Folding design; 30-mm drivers; super bass ducts for enhanced bass sound. Includes travel pouch. FR 8 Hz-22 kHz; sens 98 dB; imp 32 ohms. 2 oz ...\$25

### HA-F65 In-Ear Headphones

4-ft cord with 24k right-angle miniplug. 15-mm diaphragms; Super Bass Sound System. Compact reel-in storage case. Power handling 30 mW; FR 16 Hz-20 kHz; sens 105 dB; imp 16 ohms ...\$25

## KENWOOD

*The following all have gold-plated miniplugs and include phone-plug adapters.*

### KPM-810 Noise-Canceling Headphones

5-ft OFC cord. Folding design; noise-canceling circuitry; 36-mm drivers; neodymium magnets. Adjustable headband and padded-leather earcup covers. Includes carrying case, and battery .....\$100

### KPM-510 Headphones

10-ft coiled cord. Single-side cord entry. 40-mm drivers. Adjustable padded-leather headband and earcup covers; form-fit padding .....\$80

### KPM-410 Headphones

3-m cord. 40-mm drivers with neodymium magnets. Adjustable headband and earcup covers; form-fit padding; built-in volume control. FR 20 Hz-21 kHz .....\$50

### KPM-310 Headphones

3-m cord. 40-mm drivers with neodymium magnets. Adjustable headband and earcup covers; built-in volume control. FR 20 Hz-20 kHz .....\$30

## KLH

*The following all have gold-plated miniplugs and include phone-plug adapters.*

### KHP500S Headphones

9-ft cord. Neodymium magnets; 40-mm drivers. On-line volume control; adjustable padded headband; soft-leather earpads. FR 20 Hz-22 kHz; sens 103 dB; imp 32 ohms. 1 oz .....\$70

### KHP420V Headphones

9-ft cord. Neodymium magnets; 40-mm drivers; bass boost. In-line volume control; adjustable headband; soft-leather earpads. FR 20 Hz-25 kHz; sens 106 dB; imp 64 ohms. 1 oz .....\$60

### KHP201TW Headphones

9-ft cord. Neodymium magnets; 40-mm drivers. Built-in volume control; soft-leather earpads; adjustable headband. Includes wind-up earbuds with case. FR 20 Hz-20 kHz; sens 105 dB; imp 32 ohms. 1 oz .....\$40

### KHP200V Headphones

9-ft cord. Neodymium magnets; 40-mm drivers. Soft-leather earpads; adjustable headband. FR 20 Hz-20 kHz; sens 105 dB; imp 32 ohms. 1 oz ...\$30

## KOSS

*The following feature a lifetime warranty. Except for TD/61, they also feature Neodymium iron-boron magnets and OFC voice coils. Unless otherwise indicated, they have miniplugs and include phone-plug adapters.*

### ESP/950 Electrostatic Headphones

Straight dual-entry 4-ft cord with custom plug. Closed design. Adjustable and detachable headband; pivoting earcups. Includes E/90 energizer/amplifier and leather carrying case. FR 8 Hz-35 kHz; sens 104 dB; imp 100 ohms. 13 oz ....\$800

### Auditor A/250 Open-Air Headphones

Straight dual-entry 8-ft cord with phone plug. Closed simulated-leather earcushions for improved

bass and isolation. Detachable, padded, and adjustable headband. FR 16 Hz-25 kHz; sens 98 dB; imp 60 ohms. 9 oz .....\$250

### A/200 Open-Air Headphones

Straight dual-entry 8-ft cord with phone plug. Velvet fabric-covered-foam ear cushions. Detachable, padded, and adjustable headband. Power handling 100 mW; FR 18 Hz-25 kHz; sens 98 dB; imp 60 ohms. 8 oz .....\$200

### A/130 Headphone

Straight dual-entry 8-ft cord with phone plug. Closed simulated-leather cushions for isolation. Detachable, padded, and adjustable headband. Power handling 100 mW; FR 16 Hz-23 kHz; sens 98 dB; imp 60 ohms. 8 oz .....\$150

### R-200 Open-Air Headphones

Detachable 8-ft coiled cord. Single-side cord entry. Phase II control box featuring 3 dimensional stereo and channel adjustment. Adjustable padded headband. Includes 2 detachable cords. Power handling 100 mW; FR 18 Hz-23 kHz; sens 84 dB; imp 60 ohms. 8 oz .....\$90

### R/100 Headphones

Detachable 8-ft coiled cord. Single-side cord entry. Closed design; phase II control box featuring 3 dimensional stereo. Adjustable padded headband. Includes 2 detachable cords. FR 16 Hz-22 kHz; sens 85 dB; imp 60 ohms. 8 oz .....\$90

### R/80 Headphones

Detachable 8-ft coiled cord. Single-side cord entry. Adjustable headband with sling. Power handling 100 mW; FR 16 Hz-22 kHz; sens 101 dB; imp 60 ohms. 7 oz .....\$70

### R/90 Open-Air Headphones

Detachable 8-ft coiled cord. Single-side cord entry. Adjustable headband with sling. Power handling 100 mW; FR 18 Hz-23 kHz; sens 100 dB; imp 60 ohms. 8 oz .....\$70

### R/45 Open-Air Headphones

Straight dual-entry 4½-ft cord. Phase II control box featuring 3 dimensional stereo channel adjustment. Adjustable padded headband. Power handling 100 mW; FR 20 Hz-22 kHz; sens 85 dB; imp 60 ohms. 6 oz .....\$60

### R/40 Headphones

Straight dual-entry 4½-ft cord. Phase II control box featuring 3 dimensional stereo and channel adjustment. Adjustable padded headband. Power handling 100 mW; FR 18 Hz-20 kHz; sens 90 dB; imp 60 ohms. 5 oz .....\$55

### R/30S Headphones

Straight dual-entry 8-ft cord. Adjustable headband with sling; dual volume control on the cord. Power handling 100 mW; FR 18 Hz-20 kHz; sens 106 dB; imp 60 ohms. 5 oz .....\$50

### R/35S Open-Air Headphones

Straight dual-entry 8-ft cord. Variable density earcushions for better bass. Adjustable headband with sling. Power handling 100 mW; FR 20 Hz-22 kHz; sens 101 dB; imp 60 ohms. 5 oz .....\$50

### R/50B Headphones

Straight dual-entry 8-ft cord. Mic. Adjustable headband. Power handling 100 mW; FR 30 Hz-20 kHz; sens 103 dB. 5 oz .....\$50

### R/20 Open-Air Headphones

Straight dual-entry 8-ft cord. Variable density earcushions for better bass. Adjustable headband. Power handling 100 mW; FR 20 Hz-22 kHz; sens 101 dB; imp 60 ohms. 5 oz .....\$45

### R/10 Headphones

Straight dual-entry 8-ft cord. Adjustable headband. Power handling 100 mW; FR 30 Hz-22 kHz; sens 103 dB; imp 60 ohms. 5 oz .....\$40

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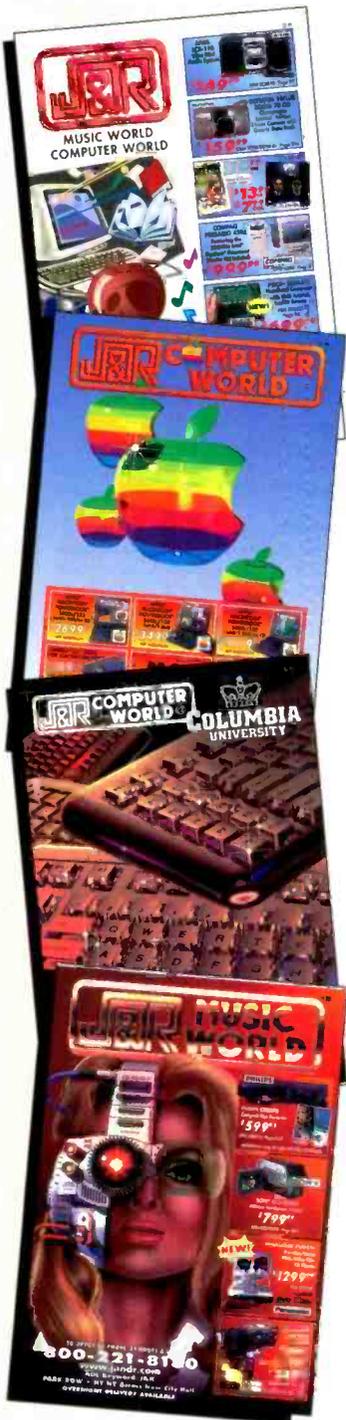
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# Headphones

## TD/65 Headphones

Straight dual-entry 8-ft cord. Closed design; ferrite magnets. Adjustable headband with sling. Power handling 100 mW; FR 20 Hz-17 kHz; sens 101 dB; imp 90 ohms. 9 oz .....\$30

## TD/61 Headphones

Straight dual 8-ft cord. Dynamic element. Adjustable headband with sling. Power handling 100 mW; FR 20 Hz-20 kHz; sens 93.5 dB; imp 38 ohms. 5 oz .....\$25

## NOISE CANCELLATION TECHNOLOGIES

### NoiseBuster Extreme Noise-Canceling Headphone System

Phone plug. Battery-powered; electronics pack with belt clip; active noise-cancellation circuitry reduces low-frequency environmental noise by creating "anti-noise" signal to reduce noise picked up by mic in each earcup; 15-dB noise reduction from 30 Hz-1.2 kHz. Adjustable headband; noise-reduction defeat for use as conventional headphones. Includes dual-prong plug for in-flight entertainment systems. FR 20 Hz-20 kHz. 5 oz .....\$69

## ONKYO

### DP-600 Headphones

3-m OFC cord with gold-plated phone plug. 1/4-in drivers; closed housing with open back. FR 4 Hz-28 kHz; sens 92 dB; imp 600 ohms .....\$110

### DP-400 Headphones

3-m OFC cord with gold-plated miniplug. 2-mm polymer-film diaphragms; closed housing with open back; neodymium magnets. Includes phone-plug adapter. FR 4 Hz-28 kHz; sens 106 dB; imp 35 ohms .....\$70

### DP-200 Open-Air Headphones

2 1/2-m OFC cord with gold-plated miniplug. 1/4-in high-polymer film diaphragms; ferrite magnets. Includes phone-plug adapter. FR 20 Hz-22 kHz; sens 97 dB; imp 40 ohms .....\$40

## OPTIMUS BY RADIO SHACK

### PRO-100 Wireless Headphone System

150-ft range. Level and frequency controls; operates on built-in rechargeable battery. Includes 6-ft cord and RCA-jack adapters for transmitter .....\$130

### PRO-155 Headphones

8-ft cord with 1/4-in gold-plated plug. Closed design; dynamic element. Detachable headband. Power handling 100 mW; FR 16 Hz-23 kHz; sens 98 dB; imp 60 ohms. 10 oz .....\$100

### Model 33-1163 Wireless Headphone System

22-ft range. Infrared transmitter; built-in recharger. On/off switch; volume control. Includes 2 rechargeable AA batteries, miniplug adapter, and AC adapter .....\$70

### PRO-135 Headphones

Detachable 8-ft coiled cord with gold-plated phone plug. Closed design. Padded headband. Power handling 100 mW; FR 16 Hz-22 kHz; sens 101 dB; imp 60 ohms .....\$70

### Model 33-1057 Headphones

10-ft cord with gold-plated miniplug. 40-mm driver; neodymium magnet; foam-filled ear cushions. Controls on cord. FR 5 Hz-22 kHz; sens 104 dB; imp 32 ohms. 14 oz .....\$50

### PRO-145 Open-Air Headphones

Dual-entry 8-ft cord with 1/4-in gold-plated plug. Pivoting earcups. Power handling 100 mW; FR 20 Hz-22 kHz; sens 101 dB; imp 60 ohms. 6 oz .....\$50

### PRO-40 Headphones

8-ft cord with gold-plated phone plug. Foam-filled cushions provide maximum isolation from outside sounds. FR 20 Hz-20 kHz .....\$50

## PRO-50 MX Headphones

9-ft cord with gold-plated mic and headphone plugs. Headphones include dynamic mic on flexible boom. FR 20 Hz-20 kHz .....\$50

## Nova-70 Headphones

8-ft cord with gold-plated miniplug. Designed for use with personal computers. Neodymium-magnet driver; soft-foam ear cushions. Power handling 100 mW; FR 20 Hz-20 kHz; sens 100 dB; imp 60 ohms. 3 oz .....\$40

## PRO-25 Headphones

4-ft cord. 15-mm drivers; cobalt magnets. Titanium-layered diaphragms; OFC coils; neodymium magnets. Volume control on cord. FR 15 Hz-20 kHz .....\$40

## Model 33-1103 Earphones

4-ft cord. 15-mm drivers; cobalt magnets. In-line volume-control. Includes mono adapter, airline adapter, and wind-up case. Power handling 10 mW; FR 20 Hz-20 kHz; sens 107 dB .....\$25

## Nova 71 Headphones

7 1/2-ft cord. Ferrite magnets. Pivoting earcups. FR 20 Hz-20 kHz .....\$25

## PANASONIC

### RP-WH50 Wireless Headphone System

23-ft range. Infrared transmitter; 1/4-in drivers; line- and headphone-level outputs. FR 18 Hz-22 kHz. 5 oz .....\$140

### RP-HT950 Headphones

12-ft OFC Litz cord with gold-plated plug. 40-mm drivers with neodymium magnets. Power handling 500 mW; FR 5 Hz-28 kHz; sens 102 dB; imp 32 ohms. 10 oz .....\$130

### RP-HT127 Headphones

10-ft OFC cord. 1 1/2-in drivers with neodymium magnets. Removable earpads. FR 10 Hz-27 kHz .....\$85

### RP-HT96 Headphones

1 1/2-in drivers. Simulated-leather earpads. FR 8 Hz-28 kHz .....\$80

### RP-HT117 Open-Air Headphones

10-ft OFC cord. 1 1/2-in drivers with neodymium magnets. FR 10 Hz-27 kHz .....\$70

### RP-HV600 Earphones

Sound-control switch; twist-free cord. FR 10 Hz-26 kHz .....\$65

### RP-HT245 Headphones

16 1/2-ft cord. 1 1/2-in drivers. Volume control on cord; simulated-leather earpads. FR 10 Hz-27 kHz .....\$50

### RP-HT240 Headphones

OFC cord. 1 1/2-in drivers. Simulated-leather earpads. FR 10 Hz-27 kHz .....\$40

### RP-HT48 Headphones

16 1/2-ft cord. 1 1/2-in drivers. Volume control on cord; simulated-leather earpads. FR 20 Hz-22 kHz .....\$38

### RP-HV350D Earphones

Bass ports. Twist-free cord. FR 10 Hz-25 kHz .....\$38

### RP-HT38 Headphones

Single-side cord entry. 1 1/2-in drivers with neodymium magnets. Simulated-leather pads .....\$35

### RP-HV370 Earphones

Neodymium magnets. Rotary-fit adjustment .....\$33

### RP-HT28 Headphones

Single-side cord entry. Neodymium magnets. Rotary-fit adjustment. FR 10 Hz-25 kHz .....\$26

## PFANTONE

### MHP-77CD Headphones

Miniplug. Includes phone-plug adapter .....\$48

## PICKERING

### CD-5 Headphones

7 1/2-ft coiled cord with gold-plated miniplug. Single-side entry. Samarium-cobalt magnets. Includes Phone-plug adapter. FR 20 Hz-20 kHz; imp 35 ohms .....\$60

### CD-2 Headphones

7 1/2-ft 4-conductor cord with phone plug. Samarium-cobalt magnets. Includes mini-plug adapter. FR 10 Hz-20 kHz .....\$30

## PIONEER

*Weights for the following do not include cord.*

### SE-A50 Headphones

9 1/2-ft OFC Litz cord. 38-mm drivers. Power handling 1 W/ch; FR 20 Hz-20 kHz; imp 35 ohms. 6 oz .....\$50

SE-A40. As above, 33-mm drivers .....\$40

### SE-M350 Headphones

9 1/2-ft OFC Litz cord. Single-side cord entry. Power handling 1 W/ch; imp 35 ohms. 8 oz .....\$48

SE-M250. As above, dual-entry cord. FR 10 Hz-23 kHz. 8 oz .....\$38

## RADIO SHACK

### LV-20 Headphones

8-ft cord with gold-plated phone plug. Earcup vents. Volume control on cord; foam-filled cushions. FR 20 Hz-20 kHz .....\$40

### Nova 67 Open-Air Headphones

8-ft cord with phone plug. Foam cushions; padded headband. FR 20 Hz-20 kHz .....\$35

### Model 33-991 Earphones

3 1/2-ft cord with gold-plated miniplug. Volume control on cord. Includes case .....\$30

### Nova 56 Headphones

8-ft cord with phone plug. Supra-aural design; neodymium magnets. Pivoting foam-cushioned earcups; adjustable headband .....\$30

## RECOTON

### WP 525 Wireless Headphone System

150-ft range. 900-MHz transmitter; 40-mm drivers with samarium-cobalt magnets; titanium-impregnated diaphragms; copper voice coils; Ni-Cd rechargeable batteries that last up to 8 hrs at half volume. Auto self-adjusting lead band; 4-in diameter earcups; auto mute for weak signals and temporary signal loss; on/off switch with indicator light. Includes AC adapter, RCA-jack adapter with 6-ft cord. FR 15 Hz-15 kHz .....\$190

### W500 Wireless Headphone System

150-ft range. 900-MHz transmitter. Includes AC adapter, RCA-jack adapter with 6-ft cord .....\$150  
W501. Extra transmitter .....\$80  
W502. Extra headset .....\$80  
W507. Replacement Ni-Cd battery .....\$12.99  
W510CG. Trickle charger .....\$11.99

### W200SX Wireless Headphone System

900-MHz transmitter; belt clip receiver; battery powered. Can also be used with any headphones. Includes AC adapter .....\$130  
W201SX. Extra transmitter .....\$60  
W206B. Extra receiver .....\$30  
EG35 Headphones .....\$17.99  
EG44. Coiled extension with 3 adapters .....\$14.99

## SENNHEISER

### HE/HEV 90 Orpheus Powered Electrostatic Headphones

Outboard tube amplifier rated at 400 V rms amp with built-in D/A converter. Transformerless output design; honeycombed glass electrodes; aluminum tube covers; solid aluminum base. FR 25 Hz-75 kHz; sens 98 dB .....\$14,900

# Headphones

**HE 90.** Headphones only .....\$7,450  
**HEV 90.** Amplifier only .....\$7,450

**HE 60/HE 70 Electrostatic Headphones**  
 Push-pull design; polymer-foll diaphragms; pure Class A amplifier operation; MOSFET outputs; Alps potentiometer. FR 12 Hz-65 kHz. 9 oz .....\$1,800

**HD 600 Open-Air Headphones**  
 10-ft Kevlar-reinforced OFC cord with miniplug. Lightweight aluminum voice coils; neodymium-ferrous magnets; open metal-mesh earpiece covers. Includes phone-plug adapter. FR 12 Hz-38 kHz; sens 97 dB; imp 300 ohms. 9 oz .....\$450

**HD 580 Headphones**  
 10-ft cord with miniplug. Circumaural design; composite diaphragms; open-back earcup; triple-wound aluminum voice coils. Velvet ear cushions. Includes phone-plug adapter. FR 12 Hz-38 kHz; sens 97 dB; imp 300 ohms. 9 oz .....\$350

**HD 565 Headphones**  
 10-ft Kevlar-reinforced OFC cord with miniplug. Circumaural design; silk-dome damping; bass-tube tuning. Velvet ear cushions. Includes phone-plug adapter. FR 16 Hz-30 kHz; sens 96 dB; imp 150 ohms. 9 oz .....\$290

**HDC 451-1 Noise-Canceling Headphones**  
 Noise-Guard noise-cancellation circuitry; stereo mini-jack. Operates on two AA batteries. Includes battery pack and 2-prong adapter for airline use. FR 20 Hz-18 kHz; imp 270 ohms. 4 oz .....\$269

**HD 265 Headphones**  
 10-ft Kevlar-reinforced OFC cord with miniplug. Circumaural design; neodymium-ferrous magnets; Duofol composite diaphragm; triple-wound alumi-

num voice coils; field-replaceable parts; polycarbonate-dome damping. Includes phone-plug adapter. Sens 99 dB; imp 150 ohms. 9 oz ...\$250

**HD 545 Headphones**  
 10-ft Kevlar-reinforced OFC cord. Circumaural design; polycarbonate-dome damping; triple-wound aluminum voice coils. FR 16 Hz-28 kHz; sens 96 dB; imp 150 ohms. 9 oz .....\$200

**HD 535 Headphones**  
 10-ft Kevlar-reinforced OFC cord miniplug. Circumaural design; neodymium-ferrous magnets; field-replaceable parts. Includes phone-plug adapter. FR 20 Hz-25 kHz; sens 97 dB; imp 150 ohms. 8 oz ...\$170

**HD 570 Symphony Headphones**  
 10-ft OFC cord. Contoured earcups; Duofol-composite diaphragm; neodymium magnets; aluminum voice coils. Velour ear cushions. FR 18 Hz-22 kHz; sens 95 dB; imp 120 ohms. 7 oz .....\$170

**HD 25-SP Headphones**  
 10-ft cord with miniplug. Circumaural design; modular parts; neodymium-ferrous magnets. Includes phone-plug adapter. FR 30 Hz-16 kHz; sens 105 dB; imp 85 ohms. 5 oz .....\$150

**HD 475 Headphones**  
 10-ft Kevlar-reinforced OFC cord with miniplug. Supra-aural design; triple-wound aluminum voice coils; diffuse-field EQ. Includes phone-plug adapter. FR 16 Hz-23 kHz; sens 94 dB; imp 60 ohms. 4 oz .....\$150

**HD 465 Headphones**  
 10-ft replaceable Kevlar-reinforced OFC cord with miniplug. Single-side cord entry. Supra-aural design; triple-wound aluminum voice coils; neodymi-

um-ferrous magnets. Adjustable headband. Includes phone-plug adapter. FR 18 Hz-22 kHz; sens 94 dB; imp 60 ohms. 4 oz .....\$130

**HD 500 Fusion Headphones**  
 10-ft OFC cord. Contoured earcups; circumaural design; Duofol diaphragm. Leather ear cushions. FR 14 Hz-21 kHz; sens 105 dB; imp 32 ohms. 7 oz ...\$130

**HD 525 Open-Air Headphones**  
 10-ft Kevlar-reinforced OFC cord with miniplug. Neodymium-ferrous magnets. Includes phone-plug adapter. Sens 94 dB; imp 150 ohms. 8 oz ...\$129

**HD 455 Headphones**  
 10-ft Kevlar-reinforced OFC cord with miniplug. Supra-aural design; neodymium-ferrous magnets; triple-wound copper voice coils. Includes phone-plug adapter. Sens 94 dB; imp 52 ohms. 4 oz .....\$100

**HD 445 Headphones**  
 10-ft Kevlar-reinforced OFC cord with miniplug. Supra-aural design; radial-bead diaphragms; replaceable parts. Includes phone-plug adapter. FR 20 Hz-20 kHz; sens 94 dB; imp 52 ohms. 5 oz .....\$80

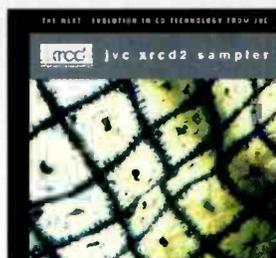
**HD 435 Headphones**  
 10-ft Kevlar-reinforced OFC cord with miniplug. Supra-aural; triple-wound voice coils. Includes phone-plug adapter. Sens 94 dB; imp 32 ohms. 4 oz ...\$60

**HD 470 Headmax Headphones**  
 10-ft OFC cord. Supra-aural design; contoured earcups; open earcup cover; Duofol diaphragm; copper voice coils. Power handling 100 mW; FR 22 Hz-20 kHz; sens 94 dB; imp 32 ohms. 5 oz ...\$60

**HD 400 Headmax Headphones**  
 10-ft OFC cord. Supra-aural design; contoured

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# Headphones

earcups; open earcup cover; copper voice coils. Self-adjusting headband. Power handling 100 mW; FR 25 Hz-18 kHz; sens 94 dB; imp 32 ohms. 5 oz .....\$40

## HD 433 Open-Air Headphones

10-ft Kevlar-reinforced OFC cord with miniplug. Triple-wound voice coils. Includes phone-plug adapter. FR 18 Hz-20 kHz; sens 94 dB; imp 32 ohms. 4 oz .....\$40

## HD 56 Headphones

3-ft Kevlar-reinforced OFC cord with miniplug. Neodymium-ferrous magnets. Includes phone-plug adapter. FR 18 Hz-20 kHz; sens 100 dB; imp 32 ohms. 3 oz .....\$30

## Wireless Headphone Series

### IS 850 Digital Wireless Headphone System

450-ft omnidirectional range. Infrared transmitter; 64X-oversampling delta-sigma A/D converters; composite diaphragms; neodymium-ferrous magnets; Toslink fiber-optic, coaxial-digital, and gold-plated RCA jacks. FR 10 Hz-22 kHz. 12 oz .....\$1,396

### RS 8 Wireless Open-Air Headphone System

250-ft omnidirectional range. 900-MHz transmitter; supra-aural design; HiDyn Plus noise reduction; fixed antenna; auto on/off transmitter switch; auto frequency control. 3 switchable frequencies; LED stereo indicator and volume control on headband. FR 20 Hz-22 kHz; sens 150 dB. 6 oz .....\$370

**RS 6.** As above, no HiDyn Plus .....\$270

### IS 450 Wireless Headphone System

375-ft omnidirectional range. Infrared noise-free transmitter with auto turn-on/off. Includes rechargeable Ni-Cd battery. FR 20 Hz-22 kHz. 6 oz .....\$260

Additional headset .....\$181

Additional battery .....\$14

### Direct Ear SET 100 Wireless Headphone System

375-ft omnidirectional range. Infrared transmitter. Includes extra rechargeable batteries. FR 30 Hz-18 kHz. 1 oz .....\$219

Additional headset .....\$130

## MX Series

### MX5 Earphones

3-ft cord with right-angle miniplug. Volume control on headset. Black with silver decorative rings. Includes storage case. FR 18 Hz-22 kHz; sens 106 dB; imp 17 ohms .....\$45

**MX4.** As above, blue with black rings .....\$25

## SONY

### MDR-F1 Open-Air Headphones

11½-ft OFC cord with gold-plated miniplug. Single-side cord entry. 50-mm drivers with neodymium magnets. Self-adjusting headband. Includes gold-plated phone-plug adapter. Power handling 700 mW; FR 10 Hz-30 kHz; sens 100 dB; imp 12 ohms. 7 oz .....\$300

### MDR-D55 Headphones

5-ft linear-crystal OFC cord with gold-plated miniplug. Single-side cord entry. Closed design; 30-mm drivers with neodymium magnets. Foldable; shape-memory alloy headband. Gold-plated phone-plug adapter. Power handling 500 mW; FR 10 Hz-25 kHz; sens 104 dB; imp 45 ohms. 4 oz .....\$180

### MDR-D33 Headphones

5-ft OFC cord with gold-plated right-angle miniplug. Single-side cord entry. Closed design; 30-mm drivers with neodymium magnets. Foldable;

shape-memory alloy headband. Includes gold-plated phone-plug adapter. Power handling 500 mW; FR 10 Hz-25 kHz; sens 104 dB; imp 45 ohms. 4 oz .....\$130

### MDR-G61 Open-Air Headphones

5-ft OFC cord with gold-plated right-angle miniplug. Single-side cord entry. 30-mm drivers with neodymium magnets. Power handling 100 mW; FR 14 Hz-24 kHz; sens 105 dB; imp 24 ohms. 2 oz .....\$35

### MDR-G51 Open-Air Headphones

5-ft OFC cord with gold-plated right-angle miniplug. Single-side cord entry. 30-mm drivers with ferrite magnets. Power handling 100 mW; Sens 104 dB; imp 24 ohms. 2 oz .....\$30

### MDR-A44L In-Ear Headphones

4-ft OFC cord with gold-plated right-angle miniplug. 16-mm drivers with neodymium magnets. Foldable. Power handling 50 mW; FR 10 Hz-23 kHz; sens 108 dB; imp 16 ohms. 1 oz .....\$25

## CD Series

### MDR-CD3000 Headphones

9½-ft 6N OFC cord with gold-plated miniplug. Single-side cord entry. Closed design; 50-mm drivers with neodymium magnets; bio-cellulose diaphragm with copper-clad aluminum wire. Includes carrying case and gold-plated phone-plug adapter. Power handling 1000 mW; FR 20 Hz-20 kHz; sens 104 dB; imp 32 ohms. 14 oz .....\$650

### MDR-CD1700 Headphones

11½-ft linear-crystal OFC Litz cord with gold-plated miniplug. Single-side cord entry. Closed design; 50-mm drivers with neodymium magnets; bio-cellulose diaphragm. Self-adjusting headband; soft-cloth earpads. Includes gold-plated phone-plug adapter. Power handling 1000 mW; FR 5 Hz-30 kHz; sens 106 dB; imp 32 ohms. 12 oz .....\$350

### MDR-CD870 Headphones

11½-ft linear-crystal OFC cord with gold-plated miniplug. Single-side cord entry. Closed design; 50-mm drivers with neodymium magnets; amorphous-diamond diaphragm. Self-adjusting headband. Includes gold-plated phone-plug adapter. Power handling 1000 mW; FR 5 Hz-30 kHz; sens 106 dB; imp 32 ohms. 12 oz .....\$250

### MDR-CD770 Headphones

11½-ft single-sided linear-crystal OFC cord with gold-plated miniplug. Single-side cord entry. Closed design; 50-mm drivers with neodymium magnets. Self-adjusting headband. Includes gold-plated phone-plug adapter. Power handling 1000 mW; FR 5 Hz-30 kHz; sens 106 dB; imp 32 ohms. 11 oz .....\$200

### MDR-CD570 Headphones

11½-ft OFC cord with gold-plated miniplug. Single-side cord entry. Closed design; 40-mm drivers with neodymium magnets. Self-adjusting headband. Includes gold-plated phone-plug adapter. Power handling 500 mW; FR 10 Hz-25 kHz; sens 106 dB; imp 40 ohms. 9 oz .....\$100

### MDR-CD360 Headphones

11½-ft OFC cord with gold-plated miniplug. Single-side cord entry. Closed design; 40-mm drivers with ferrite magnets. Self-adjusting headband. Includes gold-plated phone-plug adapter. Power handling 500 mW; Sens 100 dB; imp 40 ohms. 8 oz .....\$70

### MDR-CD160 Headphones

9½-ft OFC cord with gold-plated miniplug. Closed design; 30-mm drivers with ferrite magnets. Includes gold-plated phone-plug adapter. Power handling 500 mW; FR 16 Hz-20 kHz; sens 98 dB; imp 24 ohms. 5 oz .....\$30

## Studio Monitor Series

### MDR-V900 Headphones

9½-ft linear-crystal OFC cord with gold-plated mini-

plug. Single-side cord entry. Closed design; 50-mm drivers with neodymium magnets; amorphous-diamond evaporated diaphragm. Foldable. Includes gold-plated phone-plug adapter. Power handling 3000 mW; FR 5 Hz-30 kHz; sens 107 dB; imp 24 ohms. 11 oz .....\$260

### MDR-V600 Headphones

9½-ft OFC coiled cord with gold-plated miniplug. Single-side cord entry. Closed design; 40-mm drivers with neodymium magnets and copper-clad-aluminum voice coils. Foldable. Includes gold-plated phone-plug adapter. Power handling 1000 mW; FR 5 Hz-30 kHz; sens 106 dB; imp 45 ohms. 9 oz .....\$130

### MDR-V400 Headphones

9½-ft OFC cord with gold-plated miniplug. Single-side cord entry. Closed design; 30-mm drivers with neodymium magnets and copper-clad-aluminum voice coils. Foldable. Includes gold-plated phone-plug adapter. Power handling 500 mW; FR 10 Hz-25 kHz; sens 104 dB; imp 24 ohms. 6 oz .....\$90

### MDR-V200 Headphones

9½-ft OFC cord with gold-plated miniplug. Closed design; 30-mm drivers with ferrite magnets and copper-clad-aluminum voice coils. Foldable. Includes gold-plated phone-plug adapter. Power handling 500 mW; FR 16 Hz-20 kHz; sens 100 dB; imp 24 ohms. 5 oz .....\$50

### MDR-V100MK2 Headphones

6½-ft cord with gold-plated miniplug. Closed design; 23-mm drivers. Includes gold-plated phone-plug adapter. Power handling 100 mW; FR 20 Hz-20 kHz; sens 98 dB; imp 32 ohms. 5 oz .....\$30

## Noise-Canceling Headphone Series

### MDR-NC20 Headphones

5-ft OFC cord with gold-plated right-angle miniplug. 30-mm drivers with neodymium magnets; 10-dB noise reduction at 300 Hz. Includes carrying case and plug adapter for airline use. Power handling 100 mW; FR 16 Hz-22 kHz; sens 102 dB; imp 24 ohms. 6 oz .....\$200

### MDR-NC10 Earphones

4½-ft cord with gold-plated right-angle miniplug. 13½-mm drivers with neodymium magnets; 10-dB noise reduction at 300 Hz. Includes carrying case and plug adapter for airline use. Power handling 100 mW; FR 10 Hz-22 kHz; sens 106 dB; imp 27 ohms. 2 oz .....\$200

### MDR-NC5 Open-Air Headphones

5-ft OFC cord with gold-plated right-angle miniplug. 30-mm drivers with neodymium magnets; 10-dB noise reduction at 300 Hz. Includes carrying pouch and plug adapter for airline use. FR 30 Hz-15 kHz; sens 100 dB; imp 17 ohms. 4 oz .....\$100

## Wireless Headphone Series

### MDR-RF90RK Wireless Headphone System

150-ft range. 900-MHz transmitter; closed design; 30-mm drivers with ferrite magnets; built-in recharger. Auto power on/off switch; noise filter switch; volume control. Includes AC adapter, phone-plug adapter, connecting cord, and rechargeable battery. FR 18 Hz-20 kHz. 9 oz .....\$150

### MDR-IF330RK Wireless Open-Air Headphone System

23-ft range. Infrared transmitter; 30-mm drivers with ferrite magnets; built-in recharger. Auto power on/off switch; volume control. Includes AC adapter, phone-plug adapter, connecting cord, and rechargeable battery. FR 18 Hz-22 kHz. 6 oz .....\$100

### MDR-RF930K Wireless Open-Air Headphone System

150-ft range. 900-MHz transmitter; 30-mm drivers with ferrite magnets. Auto power on/off switch; noise filter switch; volume control. Includes AC adapter, phone-plug adapter, and connecting cord. FR 20 Hz-20 kHz. 8 oz .....\$100

Prices given are "list."

Dealer prices may vary.

# Headphones

## MDR-IF230RK Wireless Open-Air Headphone System

23-ft range. Infrared transmitter; 30-mm drivers with ferrite magnets; built-in recharger. Auto power on/off switch; volume control. Includes AC adapter, phone-plug adapter, connecting cord, and rechargeable battery. FR 18 Hz-22 kHz. 6 oz .....\$70  
**MDR-IF230.** Extra headset for above without built-in recharger. FR 18 Hz-22 kHz. 6 oz .....\$50

## Earphone Series

### MDR-E888LP Earphones

4-ft linear-crystal OFC cord with gold-plated right-angle miniplug. 16-mm drivers with neodymium magnets; bio-cellulose diaphragm. Includes case and ear pads. Power handling 50 mW; FR 8 Hz-27 kHz; sens 108 dB; imp 16 ohms .....\$80

### MDR-E848LP Earphones

4-ft OFC cord with gold-plated right-angle miniplug. 16-mm drivers with neodymium magnets. Includes case and ear pads. Power handling 50 mW; FR 10 Hz-23 kHz; sens 108 dB; imp 16 ohms .....\$30

## Original Series

### MDR-605LP Open-Air Headphones

9 $\frac{1}{4}$ -ft OFC cord with gold-plated miniplug. Single-side cord entry. Circumaural design; 40-mm drivers with neodymium magnets. Self-adjusting headband. Includes gold-plated phone-plug adapter. Power handling 500 mW; FR 12 Hz-24 kHz; sens 106 dB; imp 40 ohms. 5 oz .....\$70

### MDR-501LP Open-Air Headphones

9 $\frac{1}{4}$ -ft OFC cord with gold-plated miniplug. Single-side cord entry. Circumaural design; 40-mm drivers with ferrite magnets. Self-adjusting headband. Includes gold-plated phone-plug adapter. Sens 104 dB; imp 40 ohms. 5 oz .....\$50

## MDR-55 Open-Air Headphones

6 $\frac{1}{2}$ -ft cord with gold-plated miniplug. Single-side cord entry. 30-mm drivers with ferrite magnets. Self-adjusting headband. Includes gold-plated phone-plug adapter. Power handling 100 mW; FR 14 Hz-24 kHz; sens 105 dB; imp 24 ohms. 2 oz .....\$30

## MDR-301LP Open-Air Headphones

5-ft OFC cord with gold-plated miniplug. Single-side cord entry. 30-mm drivers with ferrite magnets. Self-adjusting headband. Includes gold-plated phone-plug adapter. Power handling 100 mW; FR 14 Hz-20 kHz; sens 101 dB; imp 30 ohms. 4 oz .....\$25

## Groove Series

### MDR-ED268LP Earphones

4-ft OFC cord with gold-plated right-angle miniplug. 16-mm drivers with neodymium magnets; evaporated-sapphire diaphragm. Includes carrying pouch. Power handling 50 mW; sens 108 dB; imp 16 ohms .....\$50

### MDR-ED238LP Earphones

4-ft OFC cord with gold-plated right-angle miniplug. 16-mm drivers with neodymium magnets. Includes carrying pouch. Power handling 50 mW; FR 8 Hz-23 kHz; sens 108 dB; imp 16 ohms .....\$30

## STANTON

### PRO 1001 Headphones

Dual earcup controls for adjusting seven key listening parameters. 13 oz .....\$175

### DJ PRO 1000 Headphones

10-ft cord with gold-plated phone plug ...\$107

### DJ Pro 500/MC Headphones

Dual 12-ft cord with phone plugs. Single-side cord

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### DJ Pro 101/STK DJ Headphone

Single-sided headband with removable handle. 4 oz .....\$92

### DJ Pro 101/SR DJ Headphone

Single-sided shoulder headphone. Includes removable adjustable shoulder rest. 4 oz .....\$92

### DJ Pro 101/HB DJ Headphone

Single-sided headband. 4 oz .....\$92

## TECHNICS

### RP-F12 Headphones

10-ft OFC cord. 1 $\frac{1}{2}$ -in drivers; neodymium magnets. FR 5 Hz-30 kHz .....\$160

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### RP-F800 Headphones

Neodymium rare-earth magnets; Single-side cord entry. FR 5 Hz-30 kHz. 6 oz .....\$80

### RP-HT300 Headphones

Single-side cord entry. Power handling 100 mW; sens 103 dB; imp 22 ohms. 6 oz .....\$45

### RP-F200 Headphones

FR 10 Hz-27 kHz. 5 oz .....\$35

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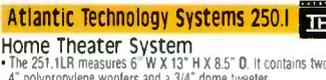
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# Phono Equipment

*Despite the dominance of the CD, vinyl's still alive*

Whether you're looking to replace an old turntable or grew up on CDs and are venturing into the phono-equipment market for the first time, you'll find there is still a wide variety of products available. You'll also find that today's turntables, tonearms, and phono cartridges are among the best ever manufactured.

Turntables come in two flavors: direct-drive and belt-drive. The motor of a direct-drive turntable is mounted under the platter, with the shaft of the motor also acting as the platter's spindle. With a belt drive, the motor is mounted to the side of the platter, and some form of belt is looped from the motor pulley to the platter. In high-end models, the belt is looped around the platter itself. In less expensive turntables, the belt is usually looped around a pulley attached to the shaft, beneath the platter, and the whole works is hidden from view within the base.



**MUSIC HALL MMF-2 MANUAL TURNTABLE**

Most turntables use some form of belt-drive. Belt-drive models tend to offer better sound than direct drives by isolating the motor from the platter. The same technology that makes a good phono cartridge extremely sensitive to vibrations from the record grooves also makes it sensitive to vibrations from the turntable itself, from other gear in the equipment rack, and from the surrounding environment. Buying a well-designed belt-drive turntable eliminates one of the major sources of phono-playback noise.

Like turntables, tonearms come in two forms: pivoted and linear-tracking. Pivoted tonearms track across the record at a continually varying angle. With a linear-tracking arm, the entire pick-

up mechanism moves radially across the record, usually hanging from a rod or track mounted to the side of the platter, so it maintains the same angle with the groove from beginning to end. In an ideal world, linear-tracking arms would be best because they have no tracking-angle distortion. But they're complex, and therefore expensive to make, hard to maintain, and subject to their own errors, which can sometimes outweigh the benefits. In most systems, pivoted tonearms are more than acceptable.

There are also two forms of phono cartridge, moving-magnet (MM) and moving-coil (MC). Cartridges read record grooves with a stylus, generally made of diamond, that follows the groove's fluctuations. The motion of the stylus is transformed into an electrical signal that is then passed along to the preamplifier or receiver. All cartridges use both magnets and coils to translate the stylus's motion into electricity, and either of them can move relative to the other to create the necessary voltage. In MM cartridges, the magnets move and the coils are stationary; in MC cartridges, it's the other way around. Because coils are lighter than magnets, they tend to be more responsive to the stylus motion, and therefore MC models tend to produce better sound. But, as with everything else, there is a tradeoff: You can replace the stylus in an MM cartridge yourself; with an MC cartridge, you have to either send it to a dealer or manufacturer for stylus replacement or else replace the whole cartridge.

Most people opt for a self-contained turntable where the tonearm and cartridge come installed and all you have to worry about is replacing the stylus occasionally. The all-in-one approach is certainly convenient but rarely leads to great sound. The first upgrade to consider is a new cartridge. Many manufacturers make cartridges of excellent sound quality for around \$100. Choose wisely, and this could be the best \$100 you spend on your system.

Inexpensive turntables often come with budget-quality tonearms, so that is the next upgrade to consider, if your turntable allows it. (The arms on inexpensive tables often can't be replaced.) The bearings might not let the arm pivot as smoothly as it should, or the arm itself might vibrate too much, adding resonances to the sound. Also, if a tonearm is too heavy, it won't track record warps well, bearing down instead of riding them. A separate tonearm, however, can cost as much as a turntable.

— Michael Gaughn

# Turntables

## BASIS

### Debut Vacuum MkV Manual Turntable

Reflex platter and clamp with vacuum pump for warped records; oversized, military-spec vacuum-pump tubing; non-contact vacuum seals in platter bearing. Vacuum level control; vacuum gauge. Includes 40-ft pump tubing ..... \$10,600

### Debut MkV Manual Turntable

4-point hanging fluid-damped suspension; 2-inch-thick acrylic subchassis; matched platter/bearing assembly; 28-lb computer-balanced acrylic/brass platter; damped 8-lb acrylic/brass armboard; aluminum parts machined from aerospace alloy and anodized to military specifications. 85 lb ... \$8,200

### Model-2001 Manual Turntable

4-point fluid-damped suspension; 1-in-thick acrylic subchassis; matched bearing and platter; outboard AC motor. 33 $\frac{1}{3}$  and 45 rpm. 45 lb ... \$3,000

## DENON

### DP-47F Automatic Turntable

Direct-drive. Quartz-locked motor; auto record size and speed detection. Electronic tonearm control without mechanical contacts ..... \$649

**DP-23F.** As above without auto record size and speed detection ..... \$425

### DP-7F Automatic Turntable

Direct-drive with quartz-locked motor. P-mount cartridge. Electronic tonearm control without mechanical contacts ..... \$325

### DP-26F Automatic Turntable

Belt-drive with P-mount MM cartridge. Record-size sensor. Line- or phono-level outputs. Switchable RIAA EQ/amp ..... \$150

## DUAL

### CS455G Automatic Turntable

Belt-drive with magnetic cartridge. Gimbal-mounted pick-up arm bearing; viscosity-damped tonearm lift; vibration-damped aluminum section platter; DC motor with electronic speed control; floating subchassis. 33 $\frac{1}{3}$  and 45 rpm. W&F 0.07% wrms ..... \$520

**CS450G.** As above, semiautomatic ..... \$520

### CS435s Automatic Turntable

Belt-drive with magnetic cartridge. DC motor with electronic speed control; counter-balanced tonearm; aluminum section platter; floating chassis. 33 $\frac{1}{3}$  and 45 rpm. W&F 0.08% wrms ..... \$415

### CS415-1s Automatic Turntable

Belt-drive with magnetic cartridge. DC motor with electronic speed control; counter-balanced tubular tonearm; floating feet. W&F 0.1% wrms ..... \$335

## ESOTERIC SOUND

### Aten Transcription Manual Turntable

Belt-drive with curved tonearm, cartridge with LP and 78 styli. Slip mat; plays 16-in broadcast transcriptions; NavCom rumble-reducing dampening; spare-headshell holder. XLR lamp outlet. Variable pitch control. Includes hinged dust cover. 33 $\frac{1}{3}$ , 45, 71 $\frac{1}{4}$ , 76 $\frac{1}{2}$ , 78 $\frac{1}{4}$ , and 80 rpm. W&F 0.025% wrms; tracking force 1.5 g. 17 $\frac{1}{2}$  x 13 $\frac{1}{2}$  x 6 in ..... \$545

### Ramses-II Manual Turntable

Belt-drive with curved tonearm. XLR lamp outlet. Variable from 60 to 105 rpm; spare-headshell holder; stylus lamp; cue lever; vertical/lateral switch for vertically cut records. Includes dust cover. 33 $\frac{1}{3}$ , 45, 71 $\frac{1}{4}$ , 76 $\frac{1}{2}$ , 78 $\frac{1}{4}$ , and 80 rpm. W&F 0.1% wrms; tracking force 1.25 g. 17 $\frac{1}{2}$  x 13 $\frac{1}{2}$  x 6 in ..... \$485

### Ramses Manual Turntable

Belt-drive with curved tonearm, cartridge with LP and 78 styli. XLR lamp outlet. Variable pitch control; stylus lamp; cue lever. 33 $\frac{1}{3}$ , 45, 71 $\frac{1}{4}$ , 76 $\frac{1}{2}$ , 78 $\frac{1}{4}$ , and 80 rpm. W&F 0.1% wrms; tracking force 1.25 g. 17 $\frac{1}{2}$  x 13 $\frac{1}{2}$  x 6 in ..... \$445

## Vintage Semiautomatic Turntable

Belt-drive with straight tonearm. Variable pitch control. Plays at 33 $\frac{1}{3}$ , 45, 71 $\frac{1}{4}$ , 76 $\frac{1}{2}$ , 78 $\frac{1}{4}$ , and 80 rpm. W&F 0.045% wrms. 17 x 13 $\frac{1}{2}$  x 3 $\frac{1}{2}$  in ..... \$394

## RA-6 Semiautomatic Turntable

Belt-drive with curved tonearm. Cue lever. Includes LP and 78 styli. Play speeds 33 $\frac{1}{3}$ , 45, 71 $\frac{1}{4}$ , 76 $\frac{1}{2}$ , 78 $\frac{1}{4}$ , and 80 rpm. W&F 0.1% wrms; tracking force 2 g. 16 $\frac{1}{2}$  x 13 $\frac{1}{2}$  x 4 $\frac{1}{2}$  in ..... \$285

## MUT Semiautomatic Turntable

Belt-drive with straight tonearm. Variable pitch control. Play speeds 33 $\frac{1}{3}$  and 78 $\frac{1}{4}$  rpm. W&F 0.1% wrms. 17 x 13 $\frac{1}{2}$  x 4 in ..... \$215

## J. A. MICHELL

*The following are belt-drive tables with machined arm boards, inverted oil-pump bearings, and 3-point dynamic suspensions. They play at 33 $\frac{1}{3}$ , 45, and 78 rpm with a W&F of 0.05% wrms and rumble of -80 dB. They carry a 5-year warranty.*

### Orbe Manual Turntable

Papst motor in 6-lb housing; 60-mm-thick concave acrylic platter with threaded record clamp; 2 decoupled acrylic bases with 3 adjustable feet; damped lead-weighted cast-aluminum chassis. Includes QC power supply. 20 x 6 x 16 in; 50 lb ..... \$4,200

### Gyrodec MKIII Manual Turntable

Two belts; Papst motor; acrylic concave platter with graphite and vinyl; record clamp; acrylic base with 3 adjustable feet; ribbed lead-weighted cast-aluminum chassis; 6 gold-plated brass weights. Clear or black base. 20 x 6 x 16 in; 42 lb ... \$1,795

**LE Version.** As above with gold-anodized motor, arm board, and spring caps; black chassis; clear base ..... \$1,995

**QC Power Supply.** Upgrade power supply, provides quartz-generated 50-Hz sine wave ... \$750

## JVC

### ALA158BK Automatic Turntable

Straight tonearm and plug-in cartridge. DC servomotor. Cueing control; dust cover ..... \$120

## KAB ELECTRO ACOUSTICS

### KAB Broadcast Standard Manual Turntable

Direct-drive with curved tonearm. Servomotor; gimbal bearings; 20-lb cast-aluminum frame; resonance-damped platter; damped cueing. Variable pitch control; removable headshell; adjustable tonearm height. Play speeds 33 $\frac{1}{3}$ , 45, and 78 rpm. W&F 0.025% wrms ..... \$595

### KAB SLBD78 Semiautomatic Turntable

Belt-drive with straight tonearm. 4-point tonearm bearings. Damped cueing; auto return/shut-off; variable pitch. Includes cartridges for 78s and LPs. 33 $\frac{1}{3}$ , 45, and 78 rpm. W&F 0.05% wrms ..... \$299

## KENWOOD

### KD-291RC Semiautomatic Turntable

Belt-drive. DC servomotor. 45-rpm adapter ... \$80

**KD-492FC.** As above with system remote-control compatibility ..... \$120

## KUZMA

### Stabi Reference Manual Turntable

Belt-drive. Two synchronous motors; subchassis suspended from four springs, each with silicon-oil damping; self-centering inverted bearing with ruby-ball one-point contact. Knobs on top of spring towers for subchassis adjustment; adjustable azimuth and vertical tracking angle. Speed accuracy  $\pm 0.5\%$ . 5-yr warranty. 20 x 6 $\frac{1}{2}$  x 16 in; 88 lb ..... \$5,500

### Stabi Manual Turntable

Belt-drive. Medite MDF subchassis suspended from four springs, each enclosed in silicon oil-filled res-

ervoir; solid aluminum platter; solid oak chassis and lid; 5-point-contact low-noise main bearing; external quartz power supply. 4-knob suspension adjustment. PVC record clamp. Speed accuracy  $\pm 0.5\%$ . 5-yr warranty. 20 x 7 $\frac{1}{4}$  x 16 in; 44 lb ..... \$2,400

## LINN

### Sondek LP12 Manual Turntable

Belt-drive with straight tonearm. Single-point bearing; solid-wood plinth; stainless-steel chassis; suspended subchassis. External power supply extra. Play speeds 33 $\frac{1}{3}$  and 45 rpm. Black ash, walnut, and Afrosmosia finishes ..... \$1,700

Lingo power supply ..... \$1,450

Valhalla power supply ..... \$450

Basik power supply ..... \$180

## MUSIC HALL

### MMF-2 Manual Turntable

Belt-drive with tonearm and Goldring cartridge. Alloy platter; stainless-steel and bronze-bearing assembly with Teflon base. Adjustable azimuth and vertical tracking angle. Includes 4 spare belts and 45-rpm adapter. Play speeds 33 $\frac{1}{3}$  and 45 rpm. W&F 0.15% wrms; rumble -70 dB; speed accuracy  $\pm 0.9\%$ ; tracking force 1.7 g. Black. 16 $\frac{1}{2}$  x 12 $\frac{1}{2}$  x 4 $\frac{1}{2}$  in; 15 lb ..... \$299

## NAD

### Model 533 Manual Turntable

Belt-drive and Goldring Elektra cartridge. High-torque synchro motor; one-piece pressure-cast tonearm with miniature ball bearings. 33 $\frac{1}{3}$ , 45, and 78 rpm. 17 $\frac{1}{2}$  x 4 $\frac{1}{2}$  x 14 in; 12 lb ..... \$399

## ONKYO

### CP-1400A Semiautomatic Turntable

Belt-drive with straight tonearm. Die-cast aluminum platter; DC servomotor; 2-speed belt-drive. Auto-cue function. 33 $\frac{1}{3}$  and 45 rpm ..... \$199

## OPTIMUS BY RADIO SHACK

### LAB-1100 Automatic Turntable

Belt-drive with straight tonearm, MM cartridge. DC servomotor; built-in switchable preamp. Removable headshell; front-mounted controls; lighted cue control; auto return/shut-off; hinged dust cover. 33 $\frac{1}{3}$ , 45, and 78 rpm. W&F 0.25% wrms; tracking force 2.5-4.5 grams. Black. 14 $\frac{1}{2}$  x 3 $\frac{1}{2}$  x 13 $\frac{1}{2}$  in; 5 lb ..... \$100

## OPUS THREE

### Continuo Manual Turntable

Concrete base; 3 air-suspension mounting feet. Opus Three Grado cartridge. 33 $\frac{1}{3}$ , 45, and 78 rpm. 60 lb ..... \$3,295

As above without Grado cartridge. Includes Opus Three Cantus tonearm and mat ..... \$2,595

As above without tonearm or cartridge ... \$1,495

## PIONEER

### PL-990 Automatic Turntable

Belt-drive with straight tonearm and MM cartridge. 2-speed DC servomotor ..... \$160

## ROTEL

### RP 955 Manual Turntable

Belt-drive with tonearm and MM cartridge. DC servomotor; die-cast aluminum platter. 2 RCA phono outputs. Speed control; cue lever; antiskating adjustment. Includes strobe disc. 33 $\frac{1}{3}$ , 45, and 78 rpm. W&F 0.03% wrms; tracking force 0.5-3 g. Black. 17 x 5 $\frac{1}{2}$  x 13 $\frac{1}{2}$  in; 17 lb ..... \$600

## RPM

### RPM-2 Manual Turntable

Belt-drive. Aluminum-composite construction; decoupled motor; electronic speed switching; alumi-

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# Turntables

num-composite motor base. Play speeds 33 $\frac{1}{3}$  and 45 rpm. 18 $\frac{1}{2}$  x 4 $\frac{1}{2}$  x 15 in; 65 lb .....\$5,995  
As above, acrylic motor base. 54 lb .....\$4,995

## SONY

### PSLX350H Semiautomatic Turntable

Belt-drive with S-shaped tonearm and MM cartridge. Full-size aluminum platter. Servo-speed control; pitch control. 33 $\frac{1}{3}$  and 45 rpm. Black. 17 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 15 lb .....\$250

### PS-J11/S Semiautomatic Turntable

Belt-drive with MM cartridge. Design and color match Sony's MHC Series components. 33 $\frac{1}{3}$  and 45 rpm. Silver. 11 x 3 $\frac{3}{4}$  x 12 $\frac{1}{2}$  in; 5 lb .....\$120

### PSLX200 Semiautomatic Turntable

Belt-drive with static-balance straight tonearm and MM cartridge. Front-mounted controls; dust cover. Play speeds 33 $\frac{1}{3}$  and 78 rpm. Black. 14 x 3 $\frac{3}{4}$  x 13 $\frac{1}{2}$  in; 5 lb .....\$120  
PS-LX56G. As above, 33 $\frac{1}{3}$  and 45 rpm .....\$120

## TEAC

### P-595 Semiautomatic Turntable

Belt-drive with straight tonearm and Audio-Technica plug-in cartridge. DC motor. Play speeds 33 $\frac{1}{3}$  and 45 rpm. W&F 0.1% wrms; rumble -55 dB; tonearm length 8.6 in. 17 x 3 $\frac{3}{4}$  x 13 $\frac{1}{2}$  in .....\$129

### PA-400 Automatic Turntable

Belt-drive; dynamic-balanced straight tonearm; built-in phono preamp; DC servomotor; auto record-size detection. EQ-on/off switch; dust cover. 45-rpm adapter. 33 $\frac{1}{3}$  and 45 rpm. W&F 0.12% wrms; rumble -60 dB; tonearm 8 $\frac{1}{2}$  in. 14 $\frac{1}{2}$  x 3 $\frac{3}{4}$  x 14 $\frac{1}{2}$  in .....\$129

## TECHNICS

### SL-1200 MkII Manual Turntable

Direct-drive with curved tonearm. Quartz-locked drive; gimbal-pivot tonearm; brushless DC motor; antiresonant visco-elastic main base. Adjustable vertical tracking angle; quartz-locked variable  $\pm$ 8% pitch control. 33 $\frac{1}{3}$  and 45 rpm. W&F 0.025% wrms; rumble -78 dB. 17 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 24 lb .....\$699

### SL-BD20 Semiautomatic Turntable

Belt-drive with straight tonearm. Servomotor; antiresonant and antivibration construction; gimbal-pivot tonearm. 33 $\frac{1}{3}$  and 45 rpm. W&F 0.045% wrms; rumble -70 dB. 17 x 3 $\frac{3}{4}$  x 14 $\frac{1}{2}$  in; 8 lb .....\$180  
SL-BD22K. As above, with illuminated stroboscope;  $\pm$ 6 pitch control .....\$210

## THORENS

The following turntables are all belt-driven and have straight tubular tonearms, gimbal suspensions, antiskating controls, and effective tonearm lengths of 9 $\frac{1}{2}$  in.

### TD-520/SME 312 Semiautomatic Turntable

SME 312 tonearm. Solid-core chassis; 3-point leaf-spring suspension; frictionless magnetic antiskating. Electronic speed selection;  $\pm$ 6% pitch control; stroboscope; auto shut off. 33 $\frac{1}{3}$ , 45, and 78 rpm. Rosewood .....\$5,770  
As above with SME 3012R tonearm .....\$4,680

### TD-320 MkIII Semiautomatic Turntable

16-pole synchro motor; solid-core chassis; 3-point leaf-spring suspension. Auto shut-off. 33 $\frac{1}{3}$  and 45 rpm. W&F 0.04% wrms. 17 $\frac{1}{2}$  x 6 $\frac{1}{2}$  x 13 $\frac{1}{2}$  in .....\$1,080

### TD-295 II Manual Turntable

Belt-drive with removable tonearm. Antiskating adjustments; speed control. 33 $\frac{1}{3}$ , 45, and 78 rpm. W&F 0.045% wrms; rumble -70 dB; tonearm length 9 $\frac{1}{2}$  in. Black. 17 $\frac{1}{2}$  x 5 $\frac{1}{2}$  x 14 $\frac{1}{2}$  in; 19 lb .....\$999  
As above in white, walnut, or mahogany .....\$1,100

### TD-318 Semiautomatic Turntable

16-pole synchro motor; solid-core chassis; 3-point leaf-spring suspension. Auto shut-off. 33 $\frac{1}{3}$  and 45 rpm. W&F 0.04% wrms. 17 x 6 x 14 in .....\$925

### TD-280 MkIV Semiautomatic Turntable

Stanton 500 cartridge. 24-pole synchro motor; solid-core chassis; spring damping elements in feet. Auto shut-off. 33 $\frac{1}{3}$ , 45, and 78 rpm. W&F 0.045% wrms. 17 x 5 $\frac{1}{2}$  x 14 in .....\$540

### TD-185 NR Semiautomatic Turntable

TP-20 tonearm and cartridge. Synchro motor. Electronic control and auto-retract/shut off. 33 $\frac{1}{3}$ , 45, and 78 rpm .....\$473

## TUBE RESEARCH LABS

### Purpleheart Manual Turntable

Belt-drive with linear-tracking tonearm. All-air bearing. 33 $\frac{1}{3}$  and 45 rpm. 390 lb .....\$11,000

## VERDIER

### La Platine Verdier Manual Turntable

Belt-drive. Platter floated by magnets to eliminate rumble; outboard motor. Variable speed adjustment; can mount 2 tonearms. 10-yr warranty .....\$7,900

## VPI

### TNT Junior Turntable

Belt-drive. 2-in-thick laminated-acrylic chassis; 21-lb stainless-steel isolated motor drive; reflex record clamping; Sorbothane suspension; upgradable to full TNT-3 design. 33 and 45 rpm .....\$2,800  
TNT Series 3. As above with isolated-loop 4-pulley drive system; zero-clearance platter bearing; variable-speed power-line conditioner; stainless-steel motor flywheel; aluminum/acrylic/lead platter; 4-independent-coil suspension and control of platter rotation .....\$5,000  
TNT Series 4. As above with 30-lb stand-alone flywheel assembly to isolate motor from platter and

micro-actuator air suspension .....\$6,400  
Aries. Scaled down version of the TNT turntable using the platter, bearing, and motor from the TNT in a compact chassis .....\$2,400

### HW-19 Jr. Turntable

Belt-drive. 1-in-thick MDF subchassis; clear acrylic platter; Sorbothane suspension; Pyrothane precision belt. Dust cover. 33 $\frac{1}{3}$  and 45 rpm. Oak, black-oak, or walnut. 21 $\frac{1}{2}$  x 16 $\frac{1}{2}$  x 7 in .....\$650  
HW-19 MK-4. As above with 20-lb TNT platter and bearing and TNT suspension .....\$1,850  
HW-19 MK-3. As above with stainless-steel/acrylic chassis; 4-pole spring suspension; lead-filled acrylic platter;  $\frac{1}{4}$ -in-thick dust cover .....\$1,250

## WELL TEMPERED LAB

The following include Well Tempered tonearms.

### Reference Manual Turntable

Belt-drive with fully damped tonearm. Zero-clearance platter bearing. Adjustable damping. 19 x 7 x 16 in; 70 lb .....\$4,995  
Super. As above without synthetic stone base. 19 x 7 x 16 in; 43 lb .....\$3,695  
Classic. As above without adjustable damping; 40 lb. 19 x 7 x 16 in; 40 lb .....\$2,795

### Record Player Manual Turntable

Belt-drive with damped tonearm. Zero-clearance platter bearing. Play speeds 33 $\frac{1}{3}$  and 45 rpm. 19 x 6 x 16 in; 35 lb .....\$1,695

## WILSON BENESCH

### ACT 1 Manual Turntable

Belt-drive with carbon-fiber unipivot tonearm and MC cartridge. Carbon-fiber/Nomex 3-point subchassis; AC eddy current (outer-rotor) motor with external power supply. Patented clutch system for non-flutter start-up; carbon-steel/sintured-bronze precision-matched bearing system. Gold-plated outputs. Kinematic location for vertical-tracking, azimuth, and tracking-force calibrations; antiskating adjustment from 0 to 3 g. Includes dust cover. 33 $\frac{1}{3}$  and 45 rpm. W&F 0.025% wrms; rumble -80 dB; speed accuracy 0.1%; tracking force 2 g; tonearm length 9 in. Cherrywood, black anodized-metal, or carbon-fiber finish. 17 $\frac{1}{2}$  x 6 x 14 $\frac{1}{2}$  in; 35 lb .....\$5,795  
ACT 2. As above with high-performance carbon-fiber tonearm .....\$6,295  
Stage-One MC head amp .....\$1,600  
Carbon-fiber isolation stand .....\$1,500

### Circle Manual Turntable

Belt-drive with carbon-fiber tonearm and fixed MC cartridge. Carbon-fiber suspension; solid-acrylic platter. Adjustable vertical tracking angle, azimuth, and stylus force. Play speeds 33 $\frac{1}{3}$  and 45 rpm. W&F 0.08% wrms; rumble -75 dB; speed accuracy  $\pm$ 0.1%; recommended tracking force 1.8-2.0 g; tonearm length 9 $\frac{1}{2}$  in. Black and aluminum. 12 x 6 x 14 in; 16 lb .....\$3,895

# Cartridges and Tonearms

## AUDIO BY VAN ALSTINE

Longhorn Green Moving-Magnet Cartridge  
Internal damping; external stabilization. Output 5.6 mV; FR 10 Hz-55 kHz; ch sep 25 dB; tracking force 1.5 g .....\$99  
Replacement stylus .....\$49

## AUDIO CRAFT

### AC-03 Moving-Coil Phono Cartridge

Elliptical stylus. Stepped-injection-type cantilever; aluminum-alloy neodymium magnet. Output 0.33 mV at 1 kHz; FR 10 Hz-50 kHz; ch sep 28 dB at 1 kHz; tracking force 2.0-2.4 g. Bronze. 9 g .....\$1,850

### AC-4400 Tonearm

Changeable wand. Overall length 14 $\frac{1}{2}$  in; pivot-to-stylus 275 mm; tracking force 0.5-2.7 g; mounting-hole 1 $\frac{1}{2}$  in .....\$1,800

### AC-3300 Tonearm

Straight, changeable wand, for silicon-damped unipivot. Length 13 in; pivot-to-stylus 230 mm; tracking force 0.5-2.7 g; mounting-hole 1 $\frac{1}{2}$  in. Silver .....\$1,500

## AUDIO NOTE

### IO-2 Moving-Coil Phono Cartridge

Van den Hul 1 stylus. Silver wiring; tapered-titanium

cantilever; aluminum-nickel-cobalt magnet. Output 0.05 mV; tracking force 1.5-3.0 g. 18 g .....\$3,000  
IO-1. As above, 15 g .....\$2,000

### IQ-2 Moving-Magnet Phono Cartridge

Van den Hul stylus. Silver coils and wiring; titanium cantilever. Output 5.5 mV; tracking force  $\frac{3}{4}$ -2 g. 6 g .....\$300  
IQ-1. As above, Van den Hul 2 stylus .....\$200

## AUDIOQUEST

### AQ7000Fe5 Moving-Coil Phono Cartridge

Nude line-contact diamond stylus. Single-layer coil;

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# Cartridges and Tonearms

5N pure iron core. Output 0.55 mV; tracking force 1.85 g .....\$2,750

## PT-8 Tonearm

Damped arm tube; adjustable pivot damping; Pro tonearm cable. Black .....\$750  
**PT-7.** As above with AudioQuest Emerald tonearm cable .....\$625  
**PT-6.** As PT-8, standard tonearm set .....\$495

## AUDIO-TECHNICA

### AT-OC9 Moving-Coil Phono Cartridge

Tapered alloy-tube cantilever. Output 0.4 mV at 1 kHz, 5 cm/s; FR 15 Hz-50 kHz; ch sep 31 dB at 1 kHz; tracking force 1.25-1.8 g .....\$400

### AT440ML Moving-Magnet Phono Cartridge

Micro-line stylus. Output 5 mV at 1 kHz, 5 cm/s; FR 5 Hz-32 kHz; ch sep 30 dB at 1 kHz; tracking force 0.8-1.6 g .....\$219

### AT331LP Moving-Magnet Phono Cartridge

Linear-contact stylus. For P-mount or universal tonearm. Tapered alloy-tube cantilever. Output 3 mV at 1 kHz, 5 cm/s; FR 10 Hz-30 kHz; ch sep 31 dB at 1 kHz; tracking force 1.0-1.6 g .....\$149

### AT120E/T Moving-Magnet Phono Cartridge

0.3 x 0.7-mil biradial nude diamond stylus. Output 5 mV at 1 kHz, 5 cm/s; FR 15 Hz-25 kHz; ch sep 29 dB at 1 kHz; tracking force 1-1.8 g .....\$109

**AT316EP.** As above, FR 10 Hz-27 kHz; tracking force 1-1.5 g .....\$109  
**AT311EP.** As above, for P-mount or universal tonearm. FR 15 Hz-27 kHz .....\$89

### AT301EP Moving-Magnet Phono Cartridge

0.4 x 0.7-mil biradial nude diamond stylus. For P-mount or universal tonearm. Output 5 mV at 1 kHz, 5 cm/s; FR 15 Hz-25 kHz; ch sep 26 dB at 1 kHz; tracking force 1-1.5 g .....\$79

### AT300P Moving-Magnet Phono Cartridge

0.6-mil uniradial nude diamond stylus. Output 5 mV at 1 kHz, 5 cm/s; FR 20 Hz-22 kHz; ch sep 26 dB at 1 kHz; tracking force 1-1.5 g .....\$69

### AT71ELC Moving-Magnet Phono Cartridge

0.4 x 0.7-mil biradial nude diamond stylus. Output 3.5 mV at 1 kHz, 5 cm/s; FR 20 Hz-22 kHz; ch sep 22 dB at 1 kHz; tracking force 1-2 g .....\$69

### AT70L Moving-Magnet Phono Cartridge

0.6-mil uniradial nude diamond stylus. Output 5 mV at 1 kHz, 5 cm/s; FR 20 Hz-20 kHz; ch sep 20 dB at 1 kHz; tracking force 1.5-2.5 g .....\$59

### AT3482H/U Moving-Magnet Phono Cartridge

0.7-mil uniradial nude diamond stylus. Designed for universal mount tonearm. Output 5.0 mV at 1 kHz, 5 cm/s; FR 20 Hz-20 kHz; ch sep 24 dB at 1 kHz; tracking force 1.0-1.5 g .....\$39  
**AT3482P.** As above, for P-mount tonearm .....\$39

### CN5625AL Moving-Magnet Phono Cartridge

0.7-mil uniradial nude diamond stylus. Output 4.2 mV at 1 kHz, 5 cm/s; FR 20 Hz-20 kHz; ch sep 20 dB at 1 kHz; tracking force 1.5-3.0 g .....\$29

## BENZ MICRO

Retipping and upgrade services are available.

### Ruby Moving-Coil Phono Cartridge

Nude diamond stylus. Machined Bruyere-wood body; solid boron-rod cantilever; square ruby plate coil. Output 0.3 mV at 1 kHz; FR 10 Hz-50 kHz; ch sep 40 dB at 1 kHz; tracking force 2-2.5 g, 9 g .....\$3,000

**Reference.** As above, square pure-iron plate coil. Output 0.4 mV at 1 kHz .....\$2,500  
**H20.** As above, pure-iron cross coil. Output 2 mV (0.9 and 0.4 mV available) .....\$1,200

### Glider Moving-Coil Phono Cartridge

Nude diamond stylus. Hand-wound iron cross coil;

open free-floating design; solid aluminum base; solid boron-rod cantilever. Output 1 mV at 1 kHz (2 mV available); FR 10 Hz-50 kHz; ch sep 40 dB at 1 kHz; tracking force 2-2.5 g, 7 g .....\$750

### MC Gold Moving-Coil Phono Cartridge

0.3 x 0.7-mil elliptical diamond stylus. Aluminum-alloy tube cantilever. Output 0.4 mV at 1 kHz (2 mV available); FR 20 Hz-25 kHz; ch sep 30 dB at 1 kHz; tracking force 1.8-2.2 g, 6 g .....\$350  
**MC20E II.** As above, output 2.5 mV at 1 kHz; FR 15 Hz-40 kHz; ch sep 25 dB at 1 kHz; tracking force 1.7-2.3 g, 4 g .....\$150

## DENNESEN

### ABL-1 Tonearm

Straight. Lateral-tracking design; air bearing; gold plating. Adjustable vertical tracking angle; changeable wand .....\$2,000

## DENON

### DL-160 Moving-Coil Phono Cartridge

Elliptical diamond stylus. Output level high enough for MM phono-preamp input; single-point cantilever suspension; tapered double-construction cantilever. Output 1.6 mV; FR 20 Hz-50 kHz; ch sep 28 dB; tracking force 1.6 g .....\$179  
**DL-110.** As above, cantilever not tapered, single pointed .....\$139

## EMINENT TECHNOLOGY

### Model 2.5 Tonearm

Straight. Designed for turntable with interchangeable arm board. Air bearing; magnesium arm tube; dynamic fluid damping; decoupled counterweight. Adjustable vertical tracking angle. Includes air pump, line, and filter .....\$2,500

## ESOTERIC SOUND

### CN-25-78 Moving-Magnet Phono Cartridge

Spherical diamond stylus for 78-rpm discs. Output 6 mV at 1 kHz; FR 30 Hz-15 kHz; ch sep 30 dB at 1 kHz; tracking force 2.0-4.0 g, 6 g .....\$42

## GOLDRING

### Excel VX Moving-Coil Phono Cartridge

Diamond stylus. Neodymium magnet; silver wiring. Output 0.5 mV; FR 20 Hz-30 kHz  $\pm 2$  dB; ch sep 25 dB at 1 kHz; tracking force 1.7 g. Silver finish with purple-heart hardwood. 9 g .....\$995

### Elite Moving-Coil Phono Cartridge

Gyger I linear-contact stylus. Output 0.5 mV; FR 20 Hz-30 kHz  $\pm 2$  dB; ch sep 25 dB at 1 kHz; tracking force 1.7 g, 6 g .....\$625  
 Cartridge retip for above .....\$425

### Eroica LX Moving-Coil Phono Cartridge

Gyger II linear-contact stylus. Output 0.5 mV; FR 20 Hz-30 kHz  $\pm 3$  dB; ch sep 25 dB at 1 kHz; tracking force 1.7 g, 6 g .....\$375  
 Cartridge retip for above .....\$250

### Eroica H Moving-Coil Phono Cartridge

Gyger II linear-contact stylus. Output 2.5 mV; FR 20 Hz-22 kHz  $\pm 3$  dB; ch sep 25 dB at 1 kHz; tracking force 1.7 g, 6 g .....\$325  
 Cartridge retip for above .....\$215

### G 1042 Moving-Magnet Phono Cartridge

Gyger S diamond stylus. Output 6.5 mV; FR 20 Hz-20 kHz  $\pm 2$  dB; ch sep 25 dB at 1 kHz; tracking force 1.7 g, 6 g .....\$300

**D42.** Replacement stylus for above .....\$190  
**G 1022GX.** As G 1042 but with Gyger I diamond stylus .....\$225  
**D22GX.** Replacement stylus for above .....\$145  
**G 1012GX.** As G 1042, Gyger II stylus .....\$175  
**D12GX.** Replacement stylus for above .....\$105  
**G 1006.** As G 1042, elliptical diamond stylus .....\$125  
**D06.** Replacement stylus for above .....\$75

### Elektra Moving-Magnet Phono Cartridge

0.7 x 0.7-mil elliptical diamond stylus. Output 5 mV; FR 20 Hz-20 kHz  $\pm 3$  dB; ch sep 20 dB at 1 kHz; tracking force 2.0 g, 4 g .....\$80  
**D152E.** Replacement stylus for above .....\$40

### Elan Moving-Magnet Phono Cartridge

Spherical diamond stylus. Output 5 mV; FR 20 Hz-20 kHz  $\pm 3$  dB; ch sep 20 dB at 1 kHz; tracking force 2.0 g, 4 g .....\$60

## GRADO LABS

### Prestige Silver Moving-Magnet Cartridge

Elliptical diamond stylus. 4-piece OTL cantilever; Ultra-High Purity Long Crystal (UHPLC)-OFC coils. Output 4.5 mV at 1 kHz; FR 10 Hz-60 kHz; ch sep 35 dB at 1 kHz; tracking force 1.5 g, 6 g .....\$150  
**Prestige Gold.** As above, meets higher production test specifications .....\$180

### Prestige Blue Moving-Magnet Cartridge

Elliptical diamond stylus. 4-piece OTL cantilever; OFC coils. Output 4.5 mV at 1 kHz; FR 10 Hz-55 kHz; ch sep 30 dB; tracking force 1.5 g, 6 g .....\$80

**Prestige Red.** As above, meets higher production test specifications .....\$110

**Prestige Black.** As Prestige Blue, 3-piece OTL cantilever. FR 10 Hz-50 kHz .....\$40

**Prestige Green.** As above, meets higher production test specifications .....\$60

## GRADO REFERENCE PRODUCTS

### Master Moving-Magnet Phono Cartridge

Elliptical diamond stylus. 5-piece OTL cantilever; Ultra High Purity Long Crystal-OFC coils. Output 4.5 mV at 1 kHz; FR 10 Hz-60 kHz; ch sep 40 dB; tracking force 1.5 g. Wood body. 7 g .....\$800

**The Reference.** As above with Grado's true ellipsoid diamond stylus .....\$1,200

**Platinum.** As Master but with 4-piece OTL cantilever .....\$300

**Sonata.** As Platinum with nude elliptical diamond stylus .....\$500

## GRAHAM ENGINEERING

### Model 1.5t/c Tonearm

Straight. Tungsten side weights; arm-tube damping with concentric tubes of aluminum and stainless-steel with energy-absorbing damping bands separating inner and outer tubes; silicon fluid in pivot well for horizontal and vertical damping. SME-compatible mounting; locking adjustments for overhang, azimuth, vertical tracking angle, and tracking force. Includes ceramic arm wand. Matte gold or chrome finish .....\$3,000

**Model 1.5t Tonearm.** As above with tungsten side weights and without ceramic arm wand. Includes azimuth-alignment box .....\$2,750

**Model 1.5.** As Model 1.5t/c without ceramic arm wand .....\$2,500

### Model 1.5 Basic Tonearm

Straight. Copper internal wire to arm wand; brass sideweights; upgradable to 1.5t/c .....\$1,996

## JMAS

### MIT-1 Moving-Coil Phono Cartridge

Van den Hul stylus in solid boron cantilever. Tip mass adjusted to compensate for spring-back deformation distortion in LPs. Includes mounting kit and stylus brush. Output 0.25 mV; FR 10 Hz-10 kHz  $\pm 1$  dB; ch sep 25 dB at 1 kHz; tracking force 2.25-2.5 g. Black. 6 g .....\$750

## KAB ELECTRO ACOUSTICS

### KSL500 Moving-Magnet Phono Cartridge

2.7-mil conical stylus. For P-mount tonearms and 78s. Output 2 mV/cm/sec .....\$55  
**KS500-27.** As above, not P-mount .....\$45  
 Custom 2.5-, 3.3-, 3.5-mil elliptical diamond stylus for KSL-500 and KS500-27 .....\$89

# Cartridges and Tonearms

## KUZMA

### Stogi Reference Tonearm

Straight. ABEC-7 ball bearings; solid aluminum parts including conical tube. Adjustable azimuth and vertical tracking angle .....\$1,850

### Stogi Tonearm

Straight. ABEC-5 ball bearings; Van den Hul wiring; solid aluminum parts. Adjustable azimuth and vertical tracking angle .....\$1,200

## LINN

### Ekos Tonearm

Dynamically balanced design; temperature-compensated springs; hydraulic lift/lower mechanism; gold connectors. Adjustable spring bias and tracking force. Pivot-to-stylus length 211 mm; recommended cartridge weight 4-9 g .....\$2,595

### Klyde Moving-Coil Phono Cartridge

Nude diamond stylus. Gold contacts. Output 0.2 mV; ch sep 30 dB at 1 kHz; tracking force 1.55-1.75 g .....\$1,195

### Akito Tonearm

Statically balanced design. Adjustable spring bias; counterweight tracking-force adjustment. Pivot-to-stylus length 211 mm; recommended cartridge weight 2-10 g .....\$850

### K9 Moving-Magnet Phono Cartridge

Nude diamond stylus. Metal body; gold contacts. Output 4.5 mV; ch sep 20 dB at 1 kHz; tracking force 1.5-2 g .....\$350

## LYRA

### Parnassus da capo Titanium Moving-Coil Phono Cartridge

Diamond stylus. Base and body milled from block of solid titanium; diamond-coated ceramic-alloy cantilever. Output.35 mV at 1 kHz; ch sep 35 dB at 1 kHz; tracking force 1.6-1.8 g .....\$3,495

### Clavis da capo Moving-Magnet Cartridge

Diamond stylus. Monoblock construction; ceramic-alloy cantilever; direct-flux and dual-disk magnetic circuit; 6N copper-wire coils. Output 0.3 mV at 1 kHz; FR 10 Hz-40 kHz; tracking force 1.5-1.7 g. 10 g .....\$1,895

### Lydian Beta Moving-Magnet Cartridge

Diamond stylus. Boron cantilever; neodymium magnet; 6N copper-wire coils; 5N iron pole pieces; wire suspension with dual-damping system. Output 0.3 mV at 1 kHz; FR 10 Hz-40 kHz; ch sep 30 dB at 1 kHz; tracking force 1.8-2 g. 11 g .....\$995

## MORCH

### DP-6 Tonearm

Curved. 2 pivoted sapphire ball bearings; cueing mechanism; Internal silver wiring. 4 interchangeable wands to accommodate different cartridges. 12 In; pivot-to-stylus 227 mm; tracking force 0-3 g; mounting-hole 1/16 in. Silver/gold .....\$1,295  
**UP-4.** As above, unipivot design with concave sapphire bearing damped with silicon fluid .....\$795

## NAIM

### ARO Tonearm

Single pivot; balanced weight assembly. Removable arm tube; adjustable arm height. Pivot-to-stylus length 230 mm; recommended cartridge weight 5.5-12 g .....\$2,200

## OPUS THREE

### Cantus Tonearm

Straight. Tangential-tracking; only 30 g of moving parts to minimize feedback. 380 g .....\$995

### Opus Three Moving-Magnet Phono Cartridge

Modified Grado Signature 8M cartridge .....\$900

## ORTOFON

### Moving-Coil Phono Cartridges

#### MC-7500 Moving-Coil Cartridge

Diamond stylus. Linear-phase technology; tapered aluminum-tube cantilever; carbon-fiber armature; neodymium magnet; pure-titanium cartridge housing; diamond-profile polishing; 8N copper internal-lead wiring. Output 0.13 mV at 1 kHz. 5 cm/s; ch sep 25 dB at 1 kHz; recommended tracking force 2.5 g. 11 g .....\$2,800  
**T-5000.** Matching step-up transformer for the above or MC-5000 .....\$2,500

#### MC-5000 Moving-Coil Cartridge

Diamond stylus. Linear-phase technology; sapphire cantilever; black-sapphire cartridge housing; diamond-profile polishing; 7N copper internal-lead wiring. Output 0.14 mV at 1 kHz. 5 cm/s; ch sep 25 dB at 1 kHz; tracking force 2.5 g. 10 g .....\$2,200

#### MC-Rohmann Moving-Coil Cartridge

Diamond stylus. Aluminum cantilever and cartridge housing; diamond-profile polishing; 6N copper internal wiring. Output 25 mV at 1 kHz, 5 cm/s; ch sep 25 dB at 1 kHz; tracking force 2.5 g. 9 g .....\$1,600  
**T-3000.** Matching step-up transformer for the above or MC-2000 .....\$1,600

#### MC-2000 MkII Moving-Coil Cartridge

Diamond stylus. Aluminum cantilever; white-sapphire cartridge housing; diamond-profile polishing; 6N copper internal-lead wiring. Output 0.125 mV at 1 kHz, 5 cm/s; ch sep 25 dB at 1 kHz; tracking force 2.2 g. 10 g .....\$1,450

#### MC-30 Super MkII Moving-Coil Cartridge

Nude diamond stylus. Tapered aluminum cantilever; linear-phase technology; three-faceted rear stylus contact surface; carbon-fiber plate; rubber bearings; damping using pure platinum disc; aluminum cartridge housing with 2 precision extrusions; precision-machined cross-shaped armature. Output 0.2 mV at 1 kHz, 5 cm/s; FR 20 Hz-40 kHz +4, -1 dB; ch sep 25 dB at 1 kHz; tracking force 1.6-2 g. 10 g .....\$850

#### MC-20 Super MkII Moving-Coil Cartridge

Diamond stylus. Linear-phase technology; aluminum cartridge housing with 2 precision-fit anodized extrusions. Output 0.2 mV at 1 kHz, 5 cm/s; FR 20 Hz-40 kHz +4, -1 dB; ch sep 25 dB at 1 kHz; tracking force 1.6-2 g. 10 g .....\$700

#### MC-10 Super II Moving-Coil Cartridge

Nude diamond stylus. Linear-phase technology; metal-disk damping. Output 0.2 mV at 1 kHz, 5 cm/s; FR 20 Hz-40 kHz +4, -1 dB; ch sep 25 dB at 1 kHz; tracking force 1.6-2 g. 10 g .....\$525

#### MC-25FL Moving-Coil Cartridge

Nude, fine-line stylus. Output 0.5 mV; FR 20 Hz-20 kHz ±2 dB; ch sep 25 dB; tracking force 1.8-2.2 g. Aluminum. 11 g .....\$450

#### X5-MC Moving-Coil Cartridge

Nude stylus. Designed for P-mount tonearm. MM-phono output voltage. Output 0.2 mV at 1 kHz, 5 cm/s; FR 20 Hz-45 kHz +4, -1.5 dB; ch sep 25 dB at 1 kHz; tracking force 2 g. 4 g .....\$300  
**X3-MC.** As above, different nude stylus. FR 20 Hz-40 kHz +4, -1.5 dB .....\$250

**X1-MC.** As X5-MC, elliptical stylus. FR 20 Hz-30 kHz +4, -1.5 dB; ch sep 22 dB at 1 kHz .....\$135

#### MC-3 Turbo Moving-Coil Cartridge

Nude diamond stylus. 4 moving coils; samarium-cobalt magnet surrounding coils. Output 3.3 mV at 1 kHz, 5 cm/s; FR 20 Hz-25 kHz +4, -1 dB; ch sep 24 dB at 1 kHz; tracking force 2 g. 4 g .....\$250

**MC-1 Turbo.** As above, elliptical diamond stylus. FR 20 Hz-22 kHz +4, -1 dB .....\$150

#### MC-15 Super MkII Moving-Coil Cartridge

Fine-line nude diamond stylus. Output 0.35 mV; FR 20 Hz-20 kHz ±3 dB; ch sep 25 dB; tracking force 2-2.4 g. Noryl plastic. 7 g .....\$225

## Moving-Magnet Phono Cartridges

### Super OM-30 Moving-Magnet Cartridge

Nude diamond stylus. Magnetic circuitry; cut-out nose for cueing. Output 4 mV at 1 kHz, 5 cm/s; FR 20 Hz-20 kHz +2, -0 dB; ch sep 25 dB at 1 kHz; tracking force 1.25 g. 5 g .....\$250

**Super OM-20.** As above, nude elliptical diamond stylus. FR 20 Hz-20 kHz +2, -1 dB .....\$175

**Super OM-10.** As Super OM-30, elliptical stylus upgradable to Super OM-20 or Super OM-30. FR 20 Hz-20 kHz +3, -1 dB; ch sep 22 dB; tracking force 1.5 g .....\$80

**OMP-10.** As above for P-mount tonearm .....\$80

### CC-Night Club E Moving-Magnet Cartridge

Elliptical diamond stylus. Aluminum-tube cantilever; cartridge nose cut-out for cueing. Combination headshell, cartridge, and finger-lift; gold-plated color-coded pins; fluorescent-yellow cantilever tip. Standard mount. Includes extra stylus. Output 6 mV at 1 kHz, 5 cm/s; FR 20 Hz-22 kHz; ch sep 23 dB at 1 kHz; tracking force 3 g. 19 g .....\$190  
**CC-Night Club S.** As above, spherical diamond stylus .....\$180

### CC-DJE Moving-Magnet Cartridge

Elliptical diamond stylus. Designed for professional use. Double-tube telescopic clear cantilever with red stylus point; combination headshell, cartridge, and nylon finger-lift. Output 6 mV at 1 kHz, 5 cm/s; FR 20 Hz-22 kHz; ch sep 23 dB at 1 kHz; tracking force 3 g. 19 g .....\$170

**CC-DJS.** As above with spherical stylus. FR 20 Hz-18 kHz .....\$160

**OM-DJE.** As CC-DJE, standard mount. 5 g .....\$110  
**OM-DJS.** As CC-DJE, spherical stylus; standard mount. FR 20 Hz-18 kHz. 5 g .....\$100

### TM-20UD Moving-Magnet Cartridge

Fine-line stylus. Output 4 mV at 1 kHz, 5 cm/s; FR 20 Hz-22 kHz; ch sep 25 dB at 1 kHz; tracking force 1.25 g. 6 g .....\$149

**TM-14UD.** As above with elliptical stylus. Ch sep 22 dB .....\$89

**TM-7U.** As TM-14UD, FR 20 Hz-20 kHz .....\$60

### CC-Pro C+2 Moving-Magnet Cartridge

Spherical diamond stylus. Combination headshell, cartridge, and fingerlift. Includes 2 replacement styli .....\$140

**OM-Pro S+2.** As above, standard mount .....\$90

### OM-Night Club S Moving-Magnet Cartridge

Spherical diamond stylus. Designed for standard-mount tonearm. Cartridge nose cut-out for cueing; aluminum-tube cantilever; gold-plated color-coded pins; fluorescent-yellow cantilever tip. Includes 2-g weight plate and extra stylus. Output 6 mV at 1 kHz. FR 20 Hz-22 kHz; ch sep 23 dB; tracking force 3-5 g .....\$120

### OM-Pro Moving-Magnet Cartridge

Spherical diamond stylus. Designed for standard-mount tonearm. Flexible load capacitance; cartridge nose cut-out for cueing; luminous cantilever tip; gold-plated color-coded pins. Includes extra stylus. Output 5 mV at 1 kHz; ch sep 20 dB; tracking force 4 g. 5 g .....\$80  
**CC-Pro.** As above with combination headshell, cartridge, and finger-lift. 16 g .....\$130

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## Cartridges and Tonearms

### OM-5E Moving-Magnet Cartridge

Elliptical diamond stylus. Output 4 mV at 1 kHz, 5 cm/s; FR 20 Hz-20 kHz +3, -1 dB; ch sep 22 dB at 1 kHz; tracking force 1.75 g. 6 g ..... \$55  
**OMP-5E.** As above, for P-mount tonearm ..... \$55  
**OM-3E.** As OM-5E, but with lower polish quality on stylus ..... \$40  
**OMP-3E.** As OM-3E, for P-mount tonearm ..... \$40

### PICKERING

#### XSV/5000 Moving-Magnet Phono Cartridge

Stereohedron stylus. Output 3.8 mV; FR 10 Hz-50 kHz; tracking force 0.75-1.5 g. 6 g ..... \$381

#### TL-3S Moving-Magnet Phono Cartridge

Stereohedron stylus. Universal mount. Output 4.4 mV; FR 10 Hz-25 kHz; tracking force 0.75-1.5 g. 6 g ..... \$206

#### XV-15/625 Moving-Magnet Phono Cartridge

Elliptical diamond stylus. FR 10 Hz-25 kHz; tracking force 0.75-1.5 g. 6 g ..... \$163

#### XV-15/150DJP Moving-Magnet Cartridge

Spherical diamond stylus. Designed for professional use. Includes replacement stylus. FR 10 Hz-20 kHz; tracking force 2-4 g. 6 g ..... \$160  
**XV-15/150DJ.** As above, no extra stylus ..... \$108

#### XV-15/625 DJP Moving-Magnet Cartridge

Elliptical diamond stylus. Designed for professional use. Includes 2 replacement styli. FR 20 Hz-20 kHz; tracking force 1-4 g ..... \$160  
**XV-15/625 DJ.** As above, no extra styli ..... \$131

#### V15DJ-DP Moving-Magnet Phono Cartridge

Spherical diamond stylus. Includes 2 replacement styli. Output 4.4 mV; FR 20 Hz-20 kHz; tracking force 2-5 g. 6 g ..... \$105/matched pr  
**V15/DJP.** As above, single cartridge ..... \$98  
**V-15/DJ.** As above without extra styli ..... \$56

#### TLE Moving-Magnet Phono Cartridge

Elliptical diamond stylus. Output 4.4 mV; FR 10 Hz-20 kHz; tracking force 1-1.5 g. 6 g ..... \$84

### RPM

#### RPM2 Tonearm

Unipivot design; decoupled counterweight; sapphire and tungsten bearing mounting directly to turntable. Azimuth, zenith, vertical-tracking-angle, and antiskating adjustments ..... \$2,495

### SHURE

#### V15vxMR Audiophile Moving-Magnet Cartridge

Masar polished nude Micro-Ridge diamond stylus. Designed for standard-mount tonearm. Proprietary antishock design and stylus-protection system; die-cast aluminum mounting block. Cartridge-alignment protractor; turntable immobilization wedges. Includes headshell screwdriver and stylus-cleaning brush. Output 3.0 mV at 1 kHz; FR 10 Hz-25 kHz; ch sep 30 dB at 1 kHz; tracking force 1.0 g. Black with burgundy stylus guard, aluminum finished mounting block. 7 g ..... \$350

#### M97xE High Performance

#### Moving-Magnet Cartridge

Polished hyperelliptical diamond stylus. Dynamic stabilizer damper/de-staticizer acts as a miniature shock absorber; side-guard protection system; die-cast aluminum mounting block. Includes headshell screwdriver and stylus-cleaning brush. Output 4.0 mV; FR 20 Hz-22 kHz; ch sep 25 dB; tracking force 0.75-1.25 g. Black with dark blue stylus guard and aluminum-finish mounting block. 7 g ..... \$150

#### M94E Music Lover Moving-Magnet Cartridge

Polished elliptical diamond stylus. For standard-mount tonearm. Low-mass Type I heat-treated tubular aluminum-alloy cantilever. Includes stylus-cleaning brush and slide-on stylus guard. Output 4.0 mV; FR 20 Hz-22 kHz; ch sep 25 dB; tracking force 0.75-

1.25 g. Black with violet stylus grip. 7 g ..... \$100  
**MP94E.** As above, P-mount design. 6 g ..... \$100

### M78S Classic Moving-Magnet Cartridge

Polished spherical diamond stylus. For standard-mount tonearm. Wide 2.5-mil-radius stylus for 78-rpm record grooves; low-mass Type I heat-treated tubular aluminum-alloy cantilever; mono operation convertible to stereo. Includes slide-on stylus guard and mounting hardware. Output 4 mV at 1 kHz; tracking force 1.5-3.0 g. Black with dark green stylus grip. 6 g ..... \$90

### M35S DJ Expert Moving-Magnet Cartridge

Polished spherical diamond stylus. Cutaway-grip design for stylus visibility; low-mass Type I wide-diameter heat-treated tubular aluminum-alloy cantilever; high-strength stylus assembly for dependable back-cueing. Includes slide-on stylus guard and mounting hardware. Output 5.0 mV; FR 20 Hz-20 kHz; ch sep 20 dB; tracking force 3-5 g. Black with chartreuse stylus grip. 6 g ..... \$80

### SC35C Standard DJ Moving-Magnet Cartridge

Spherical diamond stylus. For standard-mount tonearm. Cutaway grip design for stylus visibility; low mass Type I wide-diameter heat-treated tubular aluminum-alloy cantilever. Fluorescent orange dot to spot the stylus tip. Includes slide-on stylus guard, mounting hardware. Output 5 mV at 1 kHz; FR 20 Hz-20 kHz; ch sep 20 dB at 1 kHz; tracking force 4-5 g. Black with light blue stylus grip. 6 g ..... \$60

### M92E Versatility Moving-Magnet Cartridge

Polished biradial diamond stylus. For P-mount tonearm. Low-mass Type I heat-treated tubular aluminum-alloy cantilever. P-mount convertible to 1/2-inch standard mount. Includes standard-mount adapter, slide-on stylus guard. Output 5 mV at 1 kHz; FR 20 Hz-18 kHz; ch sep 20 dB at 1 kHz; tracking force 0.75-1.5 g. Black with red stylus grip. 7 g ..... \$35

### M70BX Value Moving-Magnet Cartridge

Polished spherical diamond stylus. For standard-mount tonearm. Tubular aluminum cantilever. Includes slide-on stylus guard and mounting hardware. Output 5 mV at 1 kHz; FR 20 Hz-18 kHz; ch sep 20 dB at 1 kHz; tracking force 1.5-3.0 g. Black with beige stylus grip. 6 g ..... \$25

### STANTON

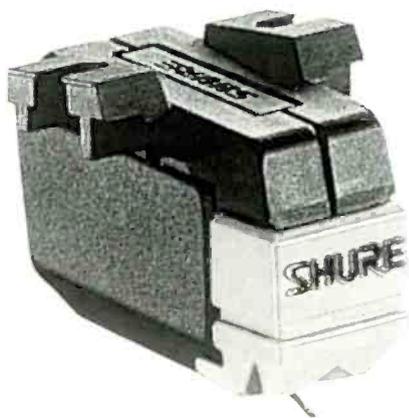
#### Collector's Series 100 Moving-Magnet Cartridge

Diamond stylus. Sapphire-coated cantilever. Output 0.76 mV/cm/sec; ch sep 35 dB. 6 g ..... \$345

#### Groovemaster AL-1 Limited Edition

#### Moving-Magnet Cartridge

Polished spherical stylus. Includes individual calibration document. Output 7.0 mV; FR 20 Hz-20 kHz; tracking force 2-5 g. 18 g ..... \$266



Shure M94E Music Lover phono cartridge

# CONTACTS

**Groovemaster AL-MP.** As above, 2 matched cartridges .....\$280  
**Groovemaster AL-1.** As AL-1 Limited Edition without individual calibration document .....\$221  
**Groovemaster EL-1.** As above but with an extra stylus .....\$244  
**Groovemaster EL-MP.** As above, 2 matched cartridges .....\$305  
**Groovemaster EL.** As EL-1, no extra stylus ...\$169

**Trackmaster II-EL-1 Moving-Magnet Cartridge**  
 0.4 x 0.7-mil elliptical diamond stylus. Includes extra stylus. Output 5.2 mV; FR 20 Hz-20 kHz; tracking force 2-5 g. 18 g .....\$221  
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**Trackmaster II-EL.** Same as Trackmaster II-EL-1, no extra stylus .....\$155

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**Trackmaster II-AL-1 Moving-Magnet Cartridge**  
 Spherical diamond stylus. Designed for scratch-mixing. One extra stylus. Output 5.2 mV; FR 20 Hz-20 kHz; tracking force 2-5 g. 18 g .....\$191  
**Trackmaster II-AL-MP.** As above, 2 matched cartridges .....\$250  
**Trackmaster II-AL.** Same as Trackmaster II-AL-1, no extra stylus .....\$139

**Model 680EL-MP Moving-Magnet Cartridge**  
 Elliptical diamond stylus. Designed for scratch-mixing and back-cueing. Aluminum-alloy cantilever. Extra stylus. Output 1.1 mV/cm/sec; FR 20 Hz-18 kHz; tracking force 3.5-4 g. 6 g .....\$189/matched pr  
**Model 680EL.** As above, but with tracking force of 2-5 g .....\$147/matched pr

**Model 681EEE MkIII Moving-Magnet Cartridge**  
 Diamond stylus .....\$147

**Discmaster AL Moving-Magnet Cartridge**  
 Polished spherical stylus. Output 5.0 mV; FR 20 Hz-17 kHz; tracking force 2-5 g. 19 g .....\$95

## SYMPHONIC LINE

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**Model IVi.** As Model V, plain aluminum ...\$2,495  
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www.citation-audio.com

**Clark Synthesis**  
8122 Southpark Lane, Suite 110  
Littleton, CO 80120  
303-797-7500  
www.clarksyn.com

**Classé**  
5070 Francois Cusson  
Lachine, Quebec H8T 1B3  
514-636-6384  
www.classeaudio.com

**Clayton Audio**  
8151 Stratford Ave.  
Clayton, MO 63105  
314-862-6017  
www.tri-audio.com/clayton.htm

**Coda**  
9941 Horn Rd., Unit A  
Sacramento, CA 95827  
916-363-4653

**Cogneo Designs**  
3250 Darley Ave.  
Boulder, CO 80303  
303-499-0408  
www.indra.com/~newmark

**Conrad-Johnson**  
2733 Merrilee Dr.  
Fairfax, VA 22031  
703-698-8581  
www.conradjohnson.com

**Continuum**  
9941 Horn Rd., Unit A  
Sacramento, CA 95827  
916-363-4653

**Creative Acoustics**  
167-09 Jamaica Ave.  
Hollis, NY 11423  
718-464-6444  
www.ilab.com

**Creek**  
108 Station Rd.  
Great Neck, NY 11023  
516-487-3663  
www.creekaudio.co.uk

**Crest**  
100 Eisenhower Dr.  
Paramus, NJ 07652  
201-909-8700  
www.crestaudio.com

**Crosby Audio Works**  
101 N. First St., Suite 451  
Los Altos, CA 94022  
408-736-6120  
www.crosbyaudioworks.com

**Crown International**  
1718 W. Mishawaka Rd.  
Elkhart, IN 46517  
800-342-6939  
www.crownintl.com

**CSI**  
200 New Highway  
Amityville, NY 11701  
800-645-5516  
www.csi-speco.com

**Custom Connections**  
1 Matthews Dr.  
East Haddam, CT 06423  
860-873-5014

**Custom Designed Speakers**  
253 E. 4th St., Suite 510  
St. Paul, MN 55101  
612-225-4466

## D

**Dahlquist**  
25 Esna Park Dr.  
Markham, Ontario L3R 1C9  
800-361-2192

# Directory of Manufacturers

## David Lucas

924 Hulton Rd.  
Oakmont, PA 15139  
412-828-1967  
www.davidlucas.com

## Davidson-Whitehall

555 Whitehall St.  
Atlanta, GA 30303  
800-848-9811

## DB Systems

P.O. Box 460  
Rindge, NH 03461  
603-899-5121

## DCM

670 Airport Blvd.  
Ann Arbor, MI 48108  
800-878-8463  
www.dcmspeakers.com

## Definitive Technology

11105 Valley Heights Dr.  
Owings Mills, MD 21117  
410-363-7148  
www.definitivetech.com

## Dennesen

715 Hale St.  
Beverly, MA 01915  
978-927-2521  
www.dennesen.com

## Denon

222 New Rd.  
Parsippany, NJ 07054  
973-575-7810  
www.denon.com

## DGX

778 Marconi Ave.  
Ronkonkoma, NY 11779-7230  
516-471-3282

## DIC Digital

500 Frank W. Burr Blvd.  
Teaneck, NJ 07666  
201-692-7700

## Discwasher (see Recoton)

## Dodson Audio

8881 Pipestone Way  
San Diego, CA 92129  
619-484-8199

## Don J. Cochran

1890 Embarcadero Rd., Suite 109  
Palo Alto, CA 94303  
650-496-1900

## DPA Digital

2012B Main St.  
Cross Plains, WI 53528  
608-798-3338

## Dual

2 W. 45th St., Suite 303  
New York, NY 10036  
212-840-1906  
www.balvin.com/dual

## Dunlavy Audio Labs

P.O. Box 49399  
Colorado Springs, CO 80949-9399  
719-592-1159  
www.dunlavyaudio.com

## D. W. Electrochemicals

97 Newkirk Rd. N., Unit 3  
Richmond Hill, Ontario L4C 3G4  
905-508-7500  
www.stabilant.com

## Dynaclear (see Audiolab)

## Dynaudio

1144 Tower Lane  
Bensenville, IL 60106  
630-238-4200  
www.dynaudio.com

## E

### Echelon

510 Randolph St.  
Knoxville, TN 37917  
423-637-6694  
www.echelonspeaker.com

### Edge

2888 30th St., Unit 2  
Boulder, CO 80301  
303-443-6555  
www.edgeamps.com

### EFA

38 Fourth Ave., Suite LF  
Nyack, NY 10960

### EgglestonWorks

430 S. Front St  
Memphis, TN 38103  
901-525-1100  
www.eggworks.com

### Emerson by Jasco

311 N.W. 122nd St.  
Oklahoma City, OK 73114  
800-654-8483  
www.jascoproducts.com

### Emerson Radio

1901 Diplomat Dr.  
Farmers Branch, TX 75234  
972-884-2350

### Eminent Technology

225 E. Palmer St.  
Tallahassee, FL 32301  
850-575-5655  
www.eminent-tech.com

### Energy Loudspeakers

3641 McNicoll Ave.  
Scarborough, Ontario M1X 1G5  
416-321-1800  
www.energy-speakers.com

### Enlightened Audio Designs

402 North B St.  
Fairfield, IA 52556  
515-472-4312

### Entec (see Crosby Audio Works)

### Entech (see Monster Cable)

### Eosone

2550 Britannia Blvd., Suite F  
San Diego, CA 92173  
800-347-1876  
www.eosone.com

### Epic Design Studios

11641 Salinaz Dr.  
Garden Grove, CA 92643  
800-343-3742  
www.epicdesign.com

### Epos

108 Station Rd.  
Great Neck, NY 11023  
516-487-3663  
www.epos-acoustics.com

### Esoteric (see Teac)

### Esoteric Audio

44 Pearl Pentecost Rd.  
Winder, GA 30680  
770-867-6300  
www.eau.com

### Esoteric Sound

4813 Wallbank Ave.  
Downers Grove, IL 60515  
630-960-9137  
www.esotericsound.com

### ESS

10170 Croydon Way  
Sacramento, CA 95827  
916-362-4102

## Etymotic Research

61 Martin Lane  
Elk Grove Village, IL 60007  
847-228-0006

## Expressive Technologies

P.O. Box 6401  
Holliston, MA 01746-6401  
508-429-1219

## E

### Fanfare

P.O. Box 455  
Buffalo, NY 14225-0455  
716-683-5451  
www.fanfare.com

### Faroudja Laboratories

750 Palomar Ave.  
Sunnyvale, CA 94086  
408-735-1492  
www.faroudja.com

### Fenton Audio

P.O. Box 212  
Yellow Springs, OH 45387  
937-767-2761

### Fisher

21605 Plummer St.  
Chatsworth, CA 91311  
818-998-7322  
www.audvidfisher.com

### Fuji

555 Taxter  
Elmsford, NY 10523  
800-755-3854

### FurnitureWorks (see OmniMount)

## G

### Gekko Speakers (see NCT Audio)

### Geneva

7109 31st Ave. N.  
Minneapolis, MN 55427  
800-358-5600

### George Kaye Audio Labs

8 Broadway Alley  
New York, NY 10016  
212-779-3713

### Gershman Acoustics

1057 Steeles Ave. W., Box 81593  
North York, Ontario M2R 3X1  
416-730-0955  
www.gershmanacoustics.com

### Gertner Audio

P.O. Box 14294  
Research Triangle Park, NC 27709  
919-847-9398  
www.gertneraudio.com

### Golden Theater

2462 Tripaldi Way  
Hayward, CA 94545  
510-887-8016  
www.goldentheater.com

### Golden Tube Audio

2462 Tripaldi Way  
Hayward, CA 94545  
510-887-8016  
www.goldentube.com

### Goldring

108 Station Rd.  
Great Neck, NY 11023  
516-487-3663

### Gold Sound

4285 S. Broadway  
Englewood, CO 80110  
303-789-5310

### Goldstands

229 Nassau Rd.  
Huntington, NY 11743  
516-673-8491

## Go-Video

7835 East McClain Dr.  
Scottsdale, AZ 85260-1732  
602-998-3400  
www.govideo.com

## GPX

108 Madison St.  
St. Louis, MO 63102  
800-800-7749

## Gradient (see Wilson Benesch)

## Grado Labs

4614 7th Ave.  
Brooklyn, NY 11220  
718-435-5340

## Grado Reference Products (see Grado Labs)

## Graham Engineering (see Aesthetix)

## Green Mountain Audio

111 S. 28th St.  
Colorado Springs, CO 80904  
888-636-6301

## H

### Hafler

546 S. Rockford Dr.  
Tempe, AZ 85281  
888-423-5371  
www.hafler.com

### Hales

16812 Gothard St.  
Huntington Beach, CA 92647  
714-841-6884  
www.halesdesigngroup.com

### Harman Kardon

250 Crossways Park Dr.  
Woodbury, NY 11797  
516-496-3400  
www.harmankardon.com

### Harmonic Precision

719 South 6th St., Suite A  
Lincoln, NE 68508  
800-779-1723

### Harrison Laboratory

P.O. Box 348  
Parker, CO 80134  
303-841-5360  
www.hlabs.com

### Hitachi

3890 Steve Reynolds Blvd.  
Norcross, GA 30093  
800-428-2241  
www.hitachi-ce.com

### Hsu Research

14946 Shoemaker Ave., Unit L  
Santa Fe Springs, CA 90670  
800-554-0150  
www.hsuresearch.com

### Hy-Q Enterprises

14040 Mead St.  
Longmont, CO 80504-9631  
800-878-7458

## I

### Illuminations (see Kimber Kable)

### Immedia (see A.R.T.)

### Infinity

250 Crossways Park Dr.  
Woodbury, NY 11797  
516-496-3400  
www.Infinitysystems.com

### Interactive Labs

27 Industrial Blvd.  
Medford, NY 11763  
800-977-4888  
www.ilab.com

# Directory of Manufacturers

## J

### Jackson

4524 N. 35th Pl.  
Phoenix, AZ 85018  
602-956-7473

### J. A. Michell (see Audiolab)

### Jamo

1177 Corporate Grove Dr.  
Buffalo Grove, IL 60089  
847-465-0005  
www.jamospeakers.com

### Janis

2889 Roebling Ave.  
Bronx, NY 10461  
718-892-7419

### JBL

250 Crossways Park Dr.  
Woodbury, NY 11797  
800-336-4525  
www.jbl.com

### Jeff Rowland Design Group

P.O. Box 7231  
Colorado Springs, CO 80933  
719-473-1181  
www.jeffrowland.com

### Jena Labs

P.O. Box 556  
Lake Oswego, OR 97034  
503-639-7551

### Jensen (see Recoton)

### JMAS (see Janis)

### Jolida

10820 Guilford Rd.  
Annapolis Junction, MD 20701  
301-953-2014

### Joseph Audio

2 Pineridge Rd.  
White Plains, NY 10603  
800-474-4434  
www.josephaudio.com

### Joule Electra

222 Post Oak Lane  
North Augusta, SC 29841  
803-279-6959

### JPW (see Sound Organisation)

### JRM Engineering

3716 Broadway N.E.  
Knoxville, TN 37917-3120  
423-688-6501

### JS Audio

643 Speedwell Ave.  
Morris Plains, NJ 07950  
973-292-2799

### JVC

1700 Valley Rd.  
Wayne, NJ 07470  
800-526-5308  
www.jvc-america.com

## K

### KAB Electro Acoustics

P.O. Box 2922  
Plainfield, NJ 07062  
908-754-1479  
www.kabusa.com

### KEF

10 Timber Lane  
Marlboro, NJ 07746  
732-683-2356  
www.adcom.com

### Kenwood

P.O. Box 22745  
Long Beach, CA 90801  
800-536-9663  
www.kenwoodusa.com

### Kimber Kable

2752 S. 1900 W.  
Ogden, UT 84401  
801-621-5530  
www.kimber.com

### Kinergetics

4260 Charter St.  
Vernon, CA 90058  
213-582-9349

### Kinetic Audio

P.O. Box 215  
Arlington Heights, IL 60006  
847-254-6556

### KLH

11131 Dora St.  
Sun Valley, CA 91352  
818-767-2843

### Klipsch

8900 Keystone Crossing, Suite 1220  
Indianapolis, IN 46240  
800-554-7724  
www.klipsch.com

### Kontak (see Sound Organisation)

### Kort

5157 N. Idlewild Ave.  
Whitefish Bay, WI 53217-5654  
414-962-9076

### Koss

4129 N. Port Washington Ave.  
Milwaukee, WI 53212-1052  
800-872-5677  
www.koss.com

### Krell

45 Connair Rd.  
Orange, CT 06477-3650  
203-799-9954

### Kustom

4940 Delhi Pike  
Cincinnati, OH 45238  
888-458-7866  
www.kustom.com

### Kuzma (see Muse)

## L

### L.A. Rocker (see Owl)

### The Last Factory

2015 Research Dr.  
Livermore, CA 94550-3803  
925-449-9449

### LAT International

317 Provincetown Rd.  
Cherry Hill, NJ 08034  
800-321-2108  
www.lat-intl.com

### Legacy Audio

3021 Sangamon Ave.  
Springfield, IL 62702  
800-283-4644  
www.legacy-audio.com

### Leslie Dame Enterprises

111-20 73rd Ave.  
Forest Hills, NY 11375  
718-261-4919

### Lexicon

3 Oak Park  
Bedford, MA 01730-1441  
781-280-0300  
www.lexicon.com

### Lindsay Audiophile

(see The Last Factory)

### Linn

4540 Southside Blvd.  
Jacksonville, FL 32216  
904-645-5242

## Loran

2715 Pennsylvania Ave. W.  
Warren, PA 16365  
814-726-4010  
www.loranger-mfg.com

### Lorentz Design

P.O. Box 277  
Lanesboro, MN 55949  
800-933-0403  
www.desertwebdesign.com/  
cubehome.htm

### Lovan (see Avlar Research Technology)

### Luxman

915 Washington Ave. S.  
Minneapolis, MN 55415-1245  
612-333-1150

### Lyra (see A.R.T.)

## M

### Mach 1 Acoustics

57 Stiles Farm Rd.  
Wilton, NH 03086  
603-654-9826

### Madison Fielding

107 N. Main St.  
Port Chester, NY 10573  
914-939-4600

### Magnepan

1645 Ninth St.  
White Bear Lake, MN 55110  
800-474-1946  
www.magnepan.com

### Magnum Dynalab

8 Strathearn Ave., #9  
Brampton, Ontario L6T 4L9  
905-791-5888  
www.magnumdynalab.com

### M&K Sound

10391 Jefferson Blvd.  
Culver City, CA 90232  
310-204-2854  
www.mk-sound.com

### Marantz

440 Medinah Rd.  
Roselle, IL 60172  
630-307-3100  
www.marantzamerica.com

### Marchand

P.O. Box 473  
Webster, NY 14580  
716-872-0980  
www.marchandelec.com

### Mark Levinson (see Proceed)

### Martin-Logan

2001 Delaware St.  
Lawrence, KS 66046  
913-749-0133  
www.martinlogan.com

### Maxell

22-08 Rt. 208  
Fair Lawn, NJ 07410  
201-794-5900  
www.maxell.com

### MBL

8730 E. Via de la Luna, #13  
Scottsdale, AZ 85258  
602-991-8001  
www.mbl-hifi.com

### McIntosh

661 W. Redondo Beach Blvd.  
Gardena, CA 90247  
310-327-9107

### Meridian

3800 Camp Creek Pky., Bldg. 2400  
Atlanta, GA 30331  
404-344-7111  
www.meridian-audio.com

## Merlin

4705 S. Main St., Box 146  
Hemlock, NY 14466  
716-367-2390  
www.merlinmusic.com

### Merrill Audio

2125 Central Ave.  
Memphis, TN 38128  
901-272-1410

### Millennium

P.O. Box 8359  
Incline Village, NV 89452-8359  
888-551-6789  
www.5point1.com

### Mirage

3641 McNicoll Ave.  
Scarborough, Ontario M1X 1G5  
416-321-1800  
www.miragespeakers.com

### Mission

222 New Rd.  
Parsippany, NJ 07054  
973-575-7810  
www.mission.co.uk

### Mistral (see Sound Organisation)

### MIT

13620 Lincoln Way, #320  
Auburn, CA 95603  
916-888-0394  
www.mitcables.com

### Mitsubishi

9351 Jeronimo Ave.  
Irvine, CA 92618-1904  
800-332-2119  
www.mitsubishi-tv.com

### Mogami

P.O. Box 2027  
Culver City, CA 90230  
800-800-6608  
www.mars-cam.com

### Monarchy Audio

383 Allerton Ave.  
South San Francisco, CA 94080-4816  
650-873-3055

### Monitor Audio

902 McKay Rd., #4  
Pickering, Ontario L1W 3X8  
905-428-2800  
www.monitoraudio.com

### Monster Cable

455 Valley Dr.  
Brisbane, CA 94005  
415-840-2000  
www.monstercable.com

### Monster Sound

(see Monster Cable)

### Morch (see Audio Advancements)

### Morel

414 Harvard St.  
Brookline, MA 02146  
617-277-6663  
www.gis.net/~morelusa

### MSB Technology

14251 Pescadero Rd.  
La Honda, CA 94020  
415-747-0271  
www.msbttech.com

### MTX

4545 E. Baseline Rd.  
Phoenix, AZ 85040  
602-438-4545  
www.mtxaudio.com

### Muse

P.O. Box 2198  
Garden Grove, CA 92642-2198  
714-554-8200

# Directory of Manufacturers

**Museatex** (see *a/d/s*)

**Musical Concepts**

49 Jason Court  
St. Charles, MO 63304  
314-926-9266  
www.musicaldesign.com

**Musical Design**

49 Jason Court  
St. Charles, MO 63304  
314-275-7162

**Music Hall** (see *Creek*)

**Myriad** (see *Ruark*)

## N

**NAD**

6 Merchant St.  
Sharon, MA 02067  
800-263-4641  
www.nadelectronics.com

**Naim**

2702 W. Touhy Ave.  
Chicago, IL 60645  
773-338-6262  
www.naimusa.com

**Nakamichi**

955 Francisco St.  
Torrance, CA 90502  
310-538-8150  
www.nakamichiusa.com

**The Natural Chord**

(see *Harmonic Precision*)

**NCT Audio Products**

One Dock St., Suite 300  
Stamford, CT 06902  
800-278-3526  
www.gekkoaudio.com

**N.E.A.R.**

12 Foss Rd.  
Lewiston, ME 04240  
207-795-0609  
www.nearspeakers.com

**Newform Research**

P.O. Box 475  
Midland, Ontario L4R 4L3  
705-835-9000  
www.barInt.on.ca/newform

**Newpoint**

6370 Nancy Ridge Dr.  
San Diego, CA 92121  
800-639-7646  
www.newpoint.com

**NHT**

535 Getty Ct.  
Benicia, CA 94510  
800-648-9993  
www.nhthifi.com

**Niles Audio**

12331 S.W. 130 St.  
Miami, FL 33186  
800-289-4434  
www.nilesaudio.com

**Nitty Gritty**

4650 Arrow Hwy., #F4  
Montclair, CA 91763  
909-625-5525  
www.nittygrittyinc.com

**Noise Cancellation Technology**

One Dock St., Suite 300  
Stamford, CT 06902  
800-278-3526  
www.nct-active.com

**Nordost**

420 Franklin St.  
Framingham, MA 01702  
508-879-1242  
www.nordost.com

**NSM Loudspeakers**

P.O. Box 326  
Garden City, NY 11530-0326  
516-486-8285  
www.nsmaudio.com

**NuReality**

2907 Daimler St.  
Santa Ana, CA 92705  
949-442-1080  
www.nureality.com

**NVA**

2813 Agricola St.  
Halifax, Nova Scotia B0N 250  
902-488-7325  
www.aim.ns.ca/clients/peak

## O

**Octave Research**

183-08 Camden Ave.  
St. Albans, NY 11412  
718-454-5739

**Odeon** (see *Accuphase*)

**Odyssey** (see *Symphonic Line*)

**OEM Systems**

740 Freeport, Suite 106  
Sparks, NV 89431  
702-355-0405

**Ohm Acoustics**

241 Taaffe Pl.  
Brooklyn, NY 11205-4303  
800-783-1553  
www.ohmspeaker.com

**OmniMount**

8201 S. 48th St.  
Phoenix, AZ 85044-5355  
602-829-8000  
www.omnimount.com

**Onix** (see *DPA Digital*)

**Onkyo**

200 Williams Dr.  
Ramsey, NJ 07446  
201-825-7950  
www.onkyo.co.jp

**Optimus** (see *Radio Shack*)

**Opus Three** (see *Art Audio*)

**Ortofon**

63 Mall Dr.  
Commack, NY 11725  
516-543-6950

**Osiris Audionics**

18 20th St., Sunset Industrial Park  
Brooklyn, NY 11232  
718-499-8826  
www.osiris-audionics.com

**Otari**

378 Vintage Park Dr.  
Foster City, CA 94404  
650-341-5900  
www.otari

**Owi**

1160 Mahalo Pl.  
Compton, CA 90220-5443  
310-638-4732  
www.owi-inc.com

## P

**PAC**

P.O. Box 248  
Oak Ridge, NC 27310-0248  
910-643-9796  
ldt.net/~idos

**Panamax**

150 Mitchell Blvd.  
San Rafael, CA 94903  
800-472-5555  
www.panamax.com

**Panasonic**

One Panasonic Way  
Secaucus, NJ 07094  
800-222-4213  
www.panasonic.com

**PanaVise**

7540 Colbert Dr.  
Reno, NV 89511-1225  
702-850-2900  
www.panavise.com

**Papworth** (see *Taurus Audio*)

**Paradigm**

MPO Box 2410  
Niagara Falls, NY 14302  
905-632-0180  
www.paradigm.ca

**Paradigm Reference**  
(see *Paradigm*)

**Parasound**

950 Battery St.  
San Francisco, CA 94111  
415-397-7100  
www.parasound.com

**Parsec** (see *Recoton*)

**pARTicular Contemporary Design**

1888 Golden Gate Ave., Suite 36  
San Francisco, CA 94115  
415-777-7725  
www.particular.com

**Pass Laboratories**

24449 Foresthill Rd.  
Foresthill, CA 95631  
530-367-3690  
www.passlabs.com

**Pegasus Audio**

15815 Frederick Rd.  
Rockville, MD 20855-2219  
301-840-0747

**P.E.L. Concept**

9998 Lajeunesse  
Montreal, Quebec H3L 2E1  
514-384-3737

**Per Madsen Design**

P.O. Box 882464  
San Francisco, CA 94188  
415-882-4883

**Perreux** (see *Arcam*)

**Pfanton**

3300 Washington St.  
Waukegan, IL 60085  
800-323-9446

**Phase Technology**

6400 Youngerman Circle  
Jacksonville, FL 32244  
888-742-7385  
www.phasetech.com

**Philips** (see *Philips Magnavox*)

**Philips Magnavox**

64 Perimeter Center E.  
Atlanta, GA 30346  
800-531-0039  
www.philipsmagnavox.com

**Phoenix Gold**

P.O. Box 83189  
Portland, OR 97283  
503-288-2008  
www.carverpro.com

**PhyZics**

2680 Post Oak Ct. N.E.  
Marietta, GA 30062  
777-977-5289

**Pickering**

101 Sunnyside Blvd.  
Plainview, NY 11803  
516-349-0200  
www.stantonmagnetics.com

**Pink Triangle**

(see *Wilson Benesch*)

**Pinnacle**

101 Commercial St.  
Plainview, NY 11803  
800-346-2863  
www.pinnacle-speakers.com

**Pioneer**

2265 E. 220th St.  
Long Beach, CA 90810  
800-746-6337  
www.pioneerelectronics.com

**Pioneer Electronics Technology**

1800 W. Holt Ave.  
Pomona, CA 91768  
800-745-3271

**Platinum Audio**

250 Commercial St., #4002  
Manchester, NH 03101  
603-647-7586  
www.platinumaudio.com

**PMC**

P.O. Box 2170, 677 Neal Dr.  
Peterborough, Ontario K9J 7Y4  
705-742-5325  
www.bryston.ca

**Polk Audio**

5601 Metro Dr.  
Baltimore, MD 21215  
800-377-7655  
www.polkaudio.com

**Poly Crystal** (see *Audio Synthesis*)

**Polyfusion Audio**

30 Ward Rd.  
Lancaster, NY 14086  
www.polyfusionaudio.com

**Posh**

7865 N.E. Day Rd. W., Bldg. C  
Bainbridge Island, WA 98110  
206-842-0475

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479 East St.  
Pittsford, NY 14534  
716-586-0740  
powermodules.com

**Premier** (see *Paradigm*)

**Prism** (see *Tara Labs*)

**Prisma** (see *Audiolab*)

**ProAc**

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Baltimore, MD 21208  
410-486-5975

**Proceed**

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Middletown, CT 06457  
860-346-0896  
www.madrigal.com

**Professional Technologies**

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Rome, NY 13440  
315-337-4156  
www.borg.com/~protec15

**Progressive Structures**

2890 Skyline Dr.  
St. Paul, MN 55121  
612-452-7099

**ProLine** (see *Bib*)

**ProScan** (see *RCA*)

**Proton**

13855 Struikman Rd.  
Cerritos, CA 90703-1031  
310-404-2222

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6 Merchant St.  
Sharon, MA 02067  
888-772-0000  
www.psbSpeakers.com

## PSE

9755 Hamilton Rd.  
Eden Prairie, MN 55344  
612-943-1677  
www.pse.com

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### Quadrature

3310 Monier Circle, Unit 8  
Rancho Cordova, CA 95670  
916-852-7791

### Quanta Technologies (see Pegasus Audio)

### Quasar (see Panasonic)

### Quickline

518 Palo Alto Dr.  
Vancouver, WA 98661  
360-695-4144

### Quicksilver Audio

5635 Riggins Ct., #15  
Reno, NV 89502  
702-825-1514  
www.quicksilveraudio.com

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### Radio Shack

700 One Tandy Center  
Ft. Worth, TX 76102  
817-390-3011  
www.radioshack.com

### Rane

10802 47th Ave. W.  
Mukilteo, WA 98275-5098  
425-355-6000  
www.rane.com

### RBH

967 N. McCormick Way  
Layton, UT 84041  
801-543-2200  
www.rbhsound.com

### RCA

Thomson Consumer Electronics  
10330 N. Meridian  
Indianapolis, IN 46290-1024  
800-336-1900  
www.rca.com

### RCM Akustik (see Amphion)

### Recoton

2950 Lake Emma Rd.  
Lake Mary, FL 32746  
800-732-6866  
www.recoton.com

### Reference Music Systems (see Art Audio)

### Renaissance (see Morel)

### Reuben Guss Enterprises

215 W. 92nd St., Suite 7B  
New York, NY 10025-7444  
212-580-7401

### Revox

4300 W. North Ave.  
Stone Park, IL 60165  
708-343-1524  
www.revox.com

### RF-Link Technology

411 Amapola Ave.  
Torrance, CA 90501  
310-787-2328  
www.rfinktech.com

### Roberts Architectural

3325 E. Miraloma Ave., Suite 127  
Anaheim, CA 92806-1925  
714-792-0339

### Rock Solid Sounds

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North Reading, MA 01864-2699  
978-664-3406  
www.bwspeakers.com

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15400 E. Batavia Dr.  
Aurora, CO 80011  
800-875-1765

### Rohrer Acoustic Design

P.O. Box 4051  
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301-695-4918

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State College, PA 16803-1509  
814-234-2044

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54 Concord St.  
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www.rotel.com

### RPM (see A.R.T.)

### RSC (see Tara Labs)

### Ruark

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www.audoinflux.com

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860-313-0525  
www.mander.com

### Samsung

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### Sandbags (see

### NSM Loudspeakers)

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www.sorice.com

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www.atlas-soundolier.com

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Dallas, TX 75214  
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www.soundorg.com

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614-279-2383  
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Riverside, CA 92507  
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Minneapolis, MN 55413-1411  
612-706-9250

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Plainview, NY 11803-1511  
516-349-0200  
www.stantonmagnetlcs.com

### Status Acoustics (see RBH)

### StereoStone

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www.stereostoneinc.com

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www.jason-scott.com

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818-500-0116

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www.taralabs.com

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5680 Thornton Ave.  
Newark, CA 94560  
510-713-9893

**TDK**  
12 Harbor Park Dr.  
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800-835-8273  
www.tdk.com

**TDL Electronics** (see **OmniMount**)

**Teac**  
7733 Telegraph Rd.  
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323-726-0303  
www.teac.com

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**Tenderfeet** (see **Audiolab**)

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**Theta Digital**  
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606-254-9427  
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**Ultech Audio**  
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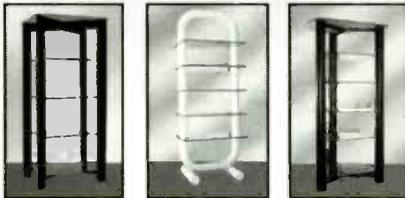
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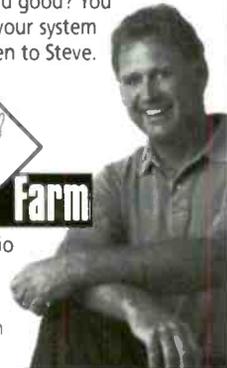
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# Glossary

**AC-3:** A multichannel low-bit-rate digital audio perceptual-coding method developed by Dolby Labs and used in its 5.1-channel *Dolby Digital* surround-sound system for laserdisc, DVD, and digital TV.

**acoustic-suspension:** A *woofer*-loading technique that uses the air trapped inside a sealed speaker cabinet to provide a portion of the driver's restoring force. See *infinite-baffle*.

**active crossover:** An electronic component that divides the signal from a source component into frequency bands (low and high, for example) before the signal is amplified.

**analog-to-digital (A/D) converter (or ADC):** An electronic circuit that converts an analog electrical signal to a sequence of binary digital codes.

**adjacent-channel selectivity (adj-ch sel):** A measure of how well an FM tuner rejects signals from stations one channel up or down from the tuned frequency; higher figures are better.

**AES/EBU interface:** The professional standard for transmitting digital audio signals between components specified by the Audio Engineering Society (AES) and the European Broadcasting Union (EBU).

**alternate-channel selectivity (alt-ch sel):** A measure of how well an FM tuner rejects signals from stations two channels away from the tuned frequency; higher figures are better.

**ambience:** The acoustical character of a listening space, determined mainly by its size, shape, and reverberance. Some *digital signal processors* can synthesize ambience by generating artificial sound reflections.

**ampere (A, amp):** The primary measurement unit of electrical current.

**amplifier:** A separate component, or a section built into an integrated component, that strengthens the electrical signal (increases its amplitude). A power amplifier, which is designed to drive speakers, must be connected to a preamplifier (or "control amplifier") to switch and process the sound. An integrated amplifier combines power amplifier and preamplifier in the same unit.

**amplitude modulation (AM):** A technique in which the level, or amplitude, of a high-frequency carrier signal is varied according to the level of a much lower-frequency signal, so that the envelope of the carrier follows the waveform of the modulating signal. Commonly used to impress an audio or video signal onto an RF carrier.

**AM rejection (AM rej):** A measure of a tuner's ability to ignore changes in an FM signal's amplitude caused by *multipath* and other types of interference; higher figures are better.

**analog:** A type of component or recording medium that operates with signals whose waveforms are directly analogous to the sounds they represent; see *digital*.

**AT&T ST connector:** See *ST*.

**ATRAC (Adaptive Transform Acoustic Coding):** The low-bit-rate digital coding system used in the *MiniDisc* (ND) format; based on psychoacoustic modeling, it is designed to discard components of the audio signal that are below the threshold of audibility or masked by other signal components while retaining portions that are audible.

**attenuate:** To reduce or lower a signal's strength.

**autoreverse:** A feature of some cassette decks that enables them to play or record both sides of a cassette without its having to be turned over.

**aux (auxiliary):** An input on a receiver, integrated amplifier, or preamplifier that can be used to connect line-level source components.

**A/V receiver:** An audio component that performs four basic functions: receiving radio broadcasts, switching audio and video signals, processing audio signals (including surround-sound decoding), and amplifying audio signals to drive speakers.

**A-weighted:** A standard equalization curve applied in sound-level meters in order to make their readings conform more closely with perceived loudness, particularly at low levels, since human hearing is not equally sensitive at all levels and frequencies.

**azimuth:** The angle between the magnetic gap of a tape head and the direction of tape travel. Although theoretically set at 90 degrees, it often varies slightly from one tape deck to another. Any difference between recording and playback azimuth will result in a loss of treble response proportional to the error.

**balance:** A control found on most receivers, integrated amplifiers, and preamplifiers that changes the relative volume of the left and right channels.

**balanced line:** An interference-rejecting transmission technique in which the audio cable's shield is not part of the signal circuit.

**band:** A particular segment of a frequency spectrum. For example, a *graphic equalizer* may divide the audio spectrum into ten bands.

**bandpass enclosure:** A dual-chamber design for a *woofer* that creates sharp acoustical rolloffs above and below its operating range, minimizing or eliminating the need for a *crossover*.

**bandpass filter:** A circuit that removes signals above and below a certain frequency range.

## ABBREVIATIONS

**A:** ampere  
**AC:** alternating current  
**A/D:** analog-to-digital  
**ADC:** analog-to-digital converter  
**AFC:** automatic frequency control  
**alt-ch:** alternate-channel  
**A/V:** audio/video  
**CAV:** constant angular velocity  
**ch:** channel  
**CIRC:** cross-Interleave Reed-Solomon code  
**CLV:** constant linear velocity  
**cont:** continuous  
**D/A:** digital-to-analog  
**DAB:** digital audio broadcasting  
**DAC:** digital-to-analog converter  
**DAT:** digital audio tape  
**dB:** decibel  
**dBa:** decibel, A-weighted  
**dBf:** decibel re 1 femtowatt  
**dBFS:** decibels referred to digital full-scale  
**DBS:** direct broadcast satellite  
**DC:** direct current  
**DSP:** digital signal processing  
**DSS:** Digital Satellite System  
**DTV:** digital television  
**EIA:** Electronic Industries Association  
**EIAJ:** Electronic Industries Association of Japan  
**EQ:** equalizer, equalization  
**f:** femto (one quadrillionth)  
**F:** farad, Fahrenheit  
**FET:** field-effect transistor

**FR:** frequency response  
**g:** gram  
**GUI:** graphical user interface  
**HDCD:** High Definition Compatible Digital  
**HDTV:** high-definition television  
**HX:** headroom extension  
**Hz:** hertz, or cycles per second  
**IC:** integrated circuit  
**IEC:** International Electrotechnical Commission  
**IEEE:** Institute of Electrical & Electronic Engineers  
**IF:** intermediate frequency  
**IHF:** Institute of High Fidelity  
**IM:** intermodulation (distortion)  
**imp:** impedance  
**k:** kilo (one thousand)  
**kHz:** kilohertz  
**LCD:** liquid-crystal display  
**LED:** light-emitting diode  
**LFE:** low-frequency effects  
**L/R:** left/right  
**LSB:** least-significant bit  
**LSI:** large-scale integrated circuit  
**m:** meter or milli (one thousandth)  
**M:** mega (one million)  
**mA:** milliampere  
**MB:** megabyte  
**Mb/sec:** megabits per second  
**MC:** moving-coil  
**MD:** MiniDisc  
**MDF:** medium-density fiberboard  
**mH:** millihenry  
**MHz:** megahertz

**mic:** microphone  
**mm:** millimeter  
**MM:** moving-magnet  
**mF:** millineutons  
**MOL:** maximum output level  
**MOSFET:** metal-oxide-semiconductor FET  
**MPX:** multiplex  
**ms:** millisecond  
**MSB:** most-significant bit  
**MTS:** multichannel television sound  
**mV:** millivolt  
**mW:** milliwatt  
 **$\mu$ :** micro (one millionth)  
 **$\mu$ s:** microsecond  
 **$\mu$ V:** microvolt  
**n:** nano (one billionth)  
**NAB:** National Association of Broadcasters  
**Ni-Cd:** nickel-cadmium  
**Ni-MH:** nickel metal-hydride  
**NR:** noise reduction  
**nWb:** nanoweber  
**OFC:** oxygen-free copper  
**OFHC:** oxygen-free high-conductivity copper  
**p:** pico (one trillionth)  
**PCM:** pulse-code modulation  
**PC-OCC:** pure copper, continuous casting  
**pF:** picofarad  
**PLL:** phase-locked loop  
**poly:** polypropylene  
**RDS:** Radio Data System  
**re:** referred to

**RF:** radio frequency  
**RIAA:** Recording Industry Association of America  
**rms:** root mean square  
**ROM:** read-only memory  
**rpm:** revolutions per minute  
**SCMS:** Serial Copy Management System  
**s or sec:** second  
**sel:** selectivity  
**sens:** sensitivity  
**sep:** separation  
**SMPTE:** Society of Motion Picture and Television Engineers  
**6N:** 6 nines, or 99.9999% pure  
**S/N:** signal-to-noise ratio  
**SPDIF:** Sony/Philips Digital Interface  
**SPL:** sound-pressure level  
**SPL/W/m:** sound-pressure level with a 1-watt input measured at 1 meter  
**THD:** total harmonic distortion  
**THD+N:** THD plus noise  
**TIM:** transient intermodulation (distortion)  
**V:** volt  
**VA:** volt-ampere  
**VU:** volume unit  
**W:** watt  
**W&F:** wow-and-flutter  
**Wb:** weber  
**W/ch:** watts per channel  
**wrms:** weighted root mean square  
**wtd:** weighted

# Glossary

**bandwidth:** The range of frequencies a component can reproduce.

**bass:** The lowest part of the audio spectrum, from 20 Hz to 150 or 200 Hz; see *treble* and *midrange*.

**bass-reflex:** A type of speaker enclosure in which the *woofer's* backwave is used to augment low-frequency output through a tuned *port*.

**Bessel filter:** A type of *filter* with excellent phase characteristics but a very shallow rolloff slope.

**biamping or biamplifying:** The use of separate power amplifiers to feed the *woofer* and *midrange/tweeter* in a speaker. Also see *biwiring*.

**bias:** In analog tape recording, an ultrasonic tone applied during recording to reduce distortion. In amplifiers, a small current applied to a tube or transistor to reduce *crossover* distortion.

**bipole:** A type of speaker that radiates sound equally and in *phase* from its front and rear.

**bipolar transistor:** A commonly used type of semiconductor amplifying device.

**bit:** The basic unit of information in digital audio or video, corresponding to on or off, one or zero; a contraction of "binary digit."

**biwiring:** The use of separate wires between a power amplifier and the *woofer* and the *midrange/tweeter* in a speaker. Also see *biamping*.

**BNC:** A bayonet-type *coaxial* connector commonly used on laboratory instruments.

**Butterworth filter:** A type of *filter* known for its flat response in its *passband*.

**cantilever:** The small metal arm in a *phono cartridge* to which the *stylus* is attached.

**capstan:** A rotating shaft in a tape recorder that pulls the tape across the heads. The tape usually travels between the capstan and a pinch-roller. A dual-capstan machine has capstans at each end of the head block; see *closed-loop*.

**capture ratio:** A measure, in *decibels*, of an FM tuner's ability to reject all but the strongest signal on a tuned frequency; lower figures are better.

**carrier:** A high-frequency sine wave whose changes in amplitude, frequency, or *phase* are used to convey (carry) the information in a much lower-frequency signal or band of signals.

**cartridge (phono cartridge):** A small component mounted on the end of the *tonearm* on a *turntable*; it holds the *stylus*, which vibrates in a vinyl record groove. The cartridge converts the vibrations into an electrical voltage, or audio signal.

**cassette deck:** An analog tape recorder, or deck, that uses standard-size audio cassettes. Audio signals are recorded on or played back from the magnetic tape contained in the cassette.

**CAV laserdisc:** A type of laserdisc that spins at a constant angular velocity so that the laser pickup reads one video frame per revolution, allowing freeze-frame effects; also called *standard-play*.

**CD (compact disc):** A 4.8-in metalized plastic disc that stores up to 80 minutes of sound in 16-bit linear *PCM* digital format. The disc has microscopic pits and "lands" that are read by a laser pickup.

**CD changer:** A CD player that holds three or more discs loaded into a revolving "carousel" drawer or removable cartridge or "magazine," or 50 or more discs loaded into a jukebox-like mechanism.

**CD-R (compact disc-recordable):** A format that permits data to be written onto a blank CD but not erased from it.

**CD-RW (compact disc-rewritable):** A format that permits data to be written onto and erased from a compact disc.

**CD Text:** A standard for storing artist names, track titles, and the disc title on a CD; requires a CD Text-capable CD player to read and display.

**center channel:** A third channel used to complement the front left and right stereo channels in a *multichannel* audio/video or surround-sound system; its primary purpose is to stabilize the front stereo image for off-center listeners.

**channel:** A distinct path for an audio signal; stereo signals typically have two channels, left and right; *multichannel* systems such as *Dolby Pro Logic*, *Dolby Digital*, and *DTS* use additional channels for a center speaker in front and surround speakers at the sides or rear of the listening/viewing position.

**channel separation:** A measure of the amount of signal leakage between channels, expressed in *decibels*; higher figures are better.

**Class A:** An amplifier design in which the output devices conduct current at all times — this is inefficient, but it eliminates *crossover distortion*.

**Class AB:** A common amplifier configuration designed to minimize *crossover distortion* at low signal levels while maintaining higher operating efficiency than a Class A design.

**Class B:** A more efficient type of amplifier than Class A or AB in which no current flows through an output device when it is not carrying a signal; prone to *crossover distortion*.

**clipping:** Distortion that occurs when an electronic device cannot accommodate the maximum level requirements of the input signal, shearing off ("clipping") the *waveform* peaks.

**closed-loop:** A drive system used in tape decks in which the tape is pulled by dual *capstans*, one on either side of the *tape heads*, so that the part being played or recorded is held taut and fully isolated from the reel hubs.

**CLV laserdisc:** A type of laserdisc that spins faster near the center than at the rim so that the laser pickup reads information at a constant rate (constant linear velocity); also called *extended play*.

**coaxial:** A type of two-signal connector in which an inner conducting wire is surrounded by a cylindrical outer conductor; commonly used in video and digital audio connections. Also refers to a speaker configuration in which two *drivers* are combined so that their centers are in line and they radiate in *phase*.

**coloration:** A response anomaly that alters the perceived timbre of sound.

**combi-player:** A component that plays both CDs and laserdiscs.

**continuous average (cont avg) power:** The maximum undistorted power that an amplifier can deliver on a sustained basis. This specification is meaningful only when accompanied by the load *impedance* into which the power is delivered, the frequency range over which the rated power can be delivered, and the maximum distortion at the rated power.

**crossover (crossover network):** A circuit or component comprising *low-pass*, *high-pass*, or *band-pass filters* that separate lower-frequency signals from higher-frequency ones. A crossover is used in a speaker that has more than one *driver*. In a two-

way speaker, the crossover sends the low frequencies to the *woofer* and the high frequencies to the *tweeter*. See *active* and *passive crossover*.

**crossover (switching) distortion:** A type of distortion that can occur in an amplifier when a signal is passed from one output device to another as it swings from positive to negative or vice versa.

**crossover frequency (or point):** In a *crossover network*, the frequency at which audio signals are divided so they can be routed to the appropriate *drivers* (low frequencies to a *woofer* and high frequencies to a *tweeter*, for example).

**current:** The flow of electrons through a conductor, expressed in amperes.

**damping:** The application of mechanical resistance, such as a rubber or silicone material, to the *cantilever pivot* of a *phono cartridge* or the suspension of a speaker diaphragm to reduce the amplitude of a *resonance*.

**damping factor:** The ratio of a speaker's *impedance* (assumed to be 8 ohms) to the output impedance of the amplifier driving it. In amplifier specifications, higher numbers are better.

**dBf:** One *decibel* referred to a standard power level of 1 femtowatt (one quadrillionth of a watt).

**dBFS:** *Decibels* referred to a 0-dB level of digital full-scale, the maximum signal level encodable by a digital audio system.

**decibel (dB):** A logarithmic unit expressing the ratio of two powers, currents, or voltages. An increase of 10 dB represents a tenfold increase in power (an increase of 20 dB represents a tenfold increase in voltage). Doubling the power raises *sound-pressure level (SPL)* by about 3 dB.

**decorrelation:** A process that scrambles the relative *phases* of the signals sent to the surround speakers in a *Dolby Pro Logic* home-theater system in order to increase the sense of surround-field envelopment; part of the Home *THX* standard.

**de-emphasis:** A form of *equalization* used in FM tuners that is complementary to a pre-emphasis used in transmission. The purpose is to improve the overall *signal-to-noise ratio (S/N)* while maintaining uniform *frequency response*. Some CDs are also recorded with a high-frequency pre-emphasis; these discs automatically engage de-emphasis circuits in the player.

**defeat:** To bypass a signal processor, tone controls, or the like, removing it entirely from the circuit.

**defect tracking:** A measure of how well a CD player's laser pickup handles flaws on a disc.

**demagnetizer:** A device that removes accumulated magnetism from a tape recorder's *tape heads* and other metal parts in the tape path to prevent degradation of recordings.

**digital:** A digit is a number, and digital components use numbers in some way. A digital tuner, for example, may use numbers only on its front-panel display, or it may use digital *frequency-synthesis* tuning circuits. A CD carries a pattern representing a series of binary numbers (strings of ones and zeros); a CD player converts these numbers into a continuously changing voltage that represents the recorded music.

**digital audio tape (DAT):** A digital recording/playback format based on the *PCM* coding process used for compact discs. DAT cassettes are about half the size of standard audio cassettes.

**digital filter:** A circuit that alters a *waveform* by

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arithmetic manipulation of its digital representation.

**digital output:** A *coaxial* or *fiber-optic* output found on some CD and DVD players and digital recorders that is used to pass digital signals to an outboard *digital-to-analog (D/A) converter*, digital recorder, or other component that has a digital input.

**digital signal processing/processor (DSP):** A general term for the manipulation of audio signals in the digital domain. DSP can be used for a wide variety of tasks, including *ambience* enhancement, *equalization*, filtering, and time-alignment. A digital signal processor can be either a component or a part of one.

**digital-to-analog (D/A) converter (or DAC):** An electronic circuit that converts a binary code (or digital "word") into an equivalent analog voltage.

**dipole:** A type of speaker that radiates sound equally from its front and rear but with opposite *phase* or *polarity* (see *bipole*). Alternatively, a type of antenna that receives radio signals primarily from the two directions broadside to it; a T-shaped, folded dipole antenna is often supplied with tuners and receivers.

**dispersion:** A characteristic of a speaker's radiation pattern, particularly at high frequencies; expressed in degrees or in terms of the rolloff of *frequency response* at various angles off the forward radiation axis relative to the on-axis response.

**distortion:** Broadly speaking, any unwanted alteration of a signal; usually, however, it refers to non-linear distortion that adds unwanted signals to the output. See also *harmonic distortion*, *total harmonic distortion*, *noise*, and *intermodulation distortion*.

**Dolby B, Dolby C, and Dolby S:** *Noise-reduction (NR)* systems designed and licensed by Dolby Laboratories for use in analog consumer audio tape recorders. All are encode/decode systems that work by boosting high frequencies during recording and attenuating them by the same amount during playback. Dolby S is the most effective (and most expensive), followed by Dolby C and then Dolby B, which is the oldest and most common.

**Dolby Digital:** The Dolby Labs format for digital surround sound using 5.1 discrete channels (front left, center, and right, surround left and right, and *subwoofer*). Used in DVDs, some laserdiscs, and in the new digital TV system. Based on Dolby's AC-3 digital coder.

**Dolby HX Pro:** A headroom-extension (HX) circuit for cassette decks that lowers the amount of bias added during recording when the signal being recorded contains a lot of high-frequency energy, enabling high frequencies to be recorded at higher levels with less distortion.

**Dolby Pro Logic:** An enhancement to *Dolby Surround* decoding that extracts the *center channel* and improves *channel separation* by means of logic-steering circuitry. See *logic*.

**Dolby Surround:** The consumer name for the Dolby Stereo system used for movie soundtracks. Dolby Surround encoding mixes four channels — left, center, right, and surround — into two stereo channels that can be broadcast or carried on a CD, laserdisc, or hi-fi videocassette. Basic Dolby Surround decoding extracts the single surround channel to feed a pair of speakers at the sides or back of the room; such decoders have now largely been superseded by *Dolby Pro Logic* decoders.

**double (or dubbing) cassette deck:** A deck with two tape transports; usually only one side records.

**driver:** An individual *woofer*, *tweeter*, or other transducing element within a speaker.

**DTS:** A multichannel low-bit-rate digital audio cod-

ing method developed by Digital Theater Systems and used to carry a 5.1-channel soundtrack on CDs and laserdiscs.

**dubbing:** The process of copying a recording.

**DVD** — A multiuse optical-disc format that enables vast amounts of audio, video, or computer data to be encoded on a laser-read disc the size of a CD. DVD-Video discs of movies use the *Dolby Digital* format for 5.1-channel surround sound.

**dynamic headroom:** The amount by which an amplifier can exceed its rated continuous power in short bursts, expressed in *decibels* (dB).

**dynamic range:** The difference, in *decibels* (dB), between the highest and lowest levels in a sound or recording or between the overload level and the noise floor of a component or recording medium; higher figures are better.

**dynamics:** A subjective term used to describe the ability of a component to render loud and soft musical passages accurately.

**early reflections:** Sounds in any listening space that reach the ear shortly after direct sounds; see *late reflections* and *reverberation*.

**efficiency:** The percentage of electrical input power going to a speaker that is converted into acoustic energy; often used synonymously with the related concept of *sensitivity*.

**electronic crossover:** See *active crossover*.

**electrostatic:** Speakers and headphones that produce sound by moving a thin, electrically charged diaphragm suspended in a high-voltage electrical field.

**enhanced CD:** A format that adds one or more tracks of computer-readable text, graphics, or video to a music CD.

**equalization (EQ):** Deliberate alteration of *frequency response*. LPs, for instance, require a specific type of playback equalization (see *RIAA*).

**equalizer:** A component, or part of a component, that divides the audio signal into frequency bands with separately adjustable output levels. The most common type is the *graphic equalizer*; also see *parametric equalizer*.

**error correction:** Mathematical reconstruction of lost or corrupted digital data based on redundant coding in the recording or transmission. Error-corrected data is identical to the original data.

**expander:** A device that increases the *dynamic range* of incoming signals. An expander may be used to counteract the compression of dynamic range that sometimes occurs when recordings are made or when a signal is broadcast.

**feedback:** In electronics, the return of a small portion of the output signal to the input, in reversed *polarity*, to reduce distortion, reduce *gain*, or alter *frequency response*.

**ferrofluid:** The term for a ferromagnetic liquid used in some speaker *drivers*, especially *tweeters*, to conduct heat away from the *voice coil* and improve *damping* and power handling.

**fiber-optic:** A transmission medium in which signals are carried through a special plastic- or glass-fiber cable in the form of light; the primary benefit is immunity to electrical noise. See *Toslink*, *ST*.

**field-effect transistor (FET):** A semiconductor amplifying device that behaves more like a triode vacuum tube than like a bipolar transistor. In general, it

is easier to get low distortion in FET-based circuits, but FETs are typically more expensive than bipolar and tend to have lower current capacity.

**50-dB quieting sensitivity:** A tuner specification that indicates the RF signal strength required for an incoming FM signal to produce a background noise level 50 dB below the audio output at full modulation; lower figures are better (tuner sensitivity is always worse in stereo than in mono).

**filter:** A circuit that boosts, *attenuates*, or removes selected frequencies from audio signals.

**flat:** Applied to *frequency response*, a condition in which a given input level produces an output level that is constant with frequency. Also, a setting (as of an *equalizer* or *tone control*) that results in no alteration of frequency response.

**flutter:** Rapid, usually small, pitch fluctuations that are caused by speed irregularities in a turntable or tape deck; expressed as a percentage of variation from the correct speed. Also see *wow-and-flutter*.

**frequency:** Rate of vibration or oscillation, measured in cycles per second, or *hertz* (Hz). The audio spectrum is generally taken to be 20 to 20,000 Hz (20 Hz to 20 kHz), which encompasses all the frequencies that humans can hear. In radio, frequency refers to the *carrier* signal of the station, such as 88.1 MHz for an FM station or 770 kHz for an AM station.

**frequency modulation (FM):** A technique in which the frequency of a high-frequency *carrier* is varied according to the level of a much lower-frequency signal. Commonly used to impress an audio signal onto a radio-frequency (RF) carrier.

**frequency response:** The range of frequencies (or bandwidth), expressed in *hertz* (Hz), that a component can sense or transmit, within specified limits of amplitude error, expressed in *decibels* (dB).

**frequency synthesis:** The process by which the various reference frequencies required by a tuner are derived by division of a single reference frequency, usually obtained from a stable crystal oscillator (see *phase-locked loop*). Frequency synthesis allows such tuner features as digital frequency readouts and station presets along with improved audio performance.

**front end:** The first stage of a tuner, responsible for tuning in and amplifying the desired radio or television signal.

**gain:** The amount by which an amplifier or antenna increases the strength of incoming signals, usually expressed in *decibels* (dB).

**graphical user interface (GUI):** Any "point-and-click" control system for an electronic component that uses menus and icons, which are displayed on a TV screen, instead of (or in addition to) physical pushbuttons and other controls.

**graphic equalizer:** An *equalizer* with control bands that are fixed in frequency; the slider controls for the various bands provide a rough graphic representation of the selected *frequency-response* curve.

**ground:** In an electrical circuit, the reference for 0 volts, above and below which other signals may vary.

**harmonic distortion:** Spurious output signals at whole-number multiples of the frequency of the input signal; see *distortion* and *total harmonic distortion (THD)*.

**headroom:** The difference between the highest level present in the input signal at any moment and the maximum level an audio device can handle without distortion; expressed in *decibels* (dB).

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**hertz (Hz):** The standard unit of frequency, representing cycles per second, or changes away from a basic state and back again. In audio, the basic state is defined as either ordinary air pressure (without sound) or its electrical equivalent (a constant-level DC signal, often 0 volts, or *ground*). The higher the figure in hertz, the higher the sound's pitch. A kilohertz (kHz) is a thousand hertz, a megahertz (MHz) a million hertz.

**high-pass filter:** A circuit, as in a speaker's *cross-over network*, that progressively *attenuates* signals below its cutoff frequency, passing those above unaltered; see *filter* and *low-pass filter*.

**home-theater system:** A collection of audio and video components designed and configured to reproduce the picture and sound that would be experienced from a movie in a good theater. A home theater is generally expected to include a TV screen of reasonable size and a surround-sound audio system. See also *Dolby Digital*, *Dolby Surround*, and *Dolby Pro Logic*.

**HX Pro:** See *Dolby HX Pro*.

**IF rejection:** A measurement of a tuner's ability to reject external interference at the *intermediate frequency*; higher figures are better.

**imaging:** The ability of an audio system to reproduce sounds in a spatially realistic manner.

**image rejection:** A measure of a tuner's ability to reject the sum or difference frequency of its own intermediate and oscillator frequencies; poor suppression results in reception at false frequencies. Higher figures are better.

**impedance (imp):** The total resistance of a component or circuit to the flow of alternating current (AC), expressed in *ohms*. In addition to pure resistance, it may include reactive (capacitive or inductive) elements that cause its value to vary with frequency. See *reactance* and *resistance*.

**infinite-baffle:** A speaker enclosure that is sealed in order to isolate the speaker's front radiation from the back radiation of its *drivers*. *Acoustic-suspension* is a special type of infinite-baffle design.

**infrasonic filter:** A type of *high-pass filter* used to *attenuate* inaudible frequencies below about 20 Hz; often called a "subsonic" filter.

**integrated amplifier:** A component that combines the functions of a preamplifier and power amplifier.

**integrated circuit (IC):** A miniature one-piece electronic device containing many transistors and other electronic components; it is the basic building block of most modern electronics.

**intermediate frequency (IF):** In a tuner, the frequency to which the *front end* converts any tuned *carrier* for demodulation, 10.7 MHz for FM or 455 kHz for AM.

**intermodulation (IM) distortion:** A type of distortion whose components are at frequencies that are sums and differences of the input frequencies; lower figures are better.

**I<sup>2</sup>S:** Inter-IC Sound, a type of digital audio data format used to transmit signals between integrated circuits.

**jack:** A female connector that serves as a receptacle for a male connector; see *RCA connector*.

**Kapton:** A plastic material widely used in the manufacture of speaker voice-coil formers.

**laser:** A device that generates a coherent, monochromatic beam of light; the word originated as an acronym for "light amplification by stimulated emission of radiation."

**laserdisc:** A laser-read videodisc. Laserdisc players usually play CDs as well; see *CAV* and *CLV*.

**late reflections:** Echoes in an enclosed space that reach the ear after multiple reflections and, consequently, have a relatively long delay time; see *early reflections* and *reverberation*.

**light-emitting diode (LED):** A small light used as an indicator on many components.

**limiter:** A circuit that prevents a signal from exceeding a certain amplitude.

**linearity:** Describes the accuracy with which a component's output signal tracks the input signal; a device whose output varies in direct proportion to the input is said to be linear.

**line-level:** Signal voltages in the range delivered from the outputs of most audio source components (such as CD players) and preamplifiers; also known as low-level or preamp-level. See *speaker-level*.

**liquid-crystal display (LCD):** A type of electronic readout used on the faceplates of some components and remote controls.

**logic:** In cassette decks, the ability to switch from one transport function, such as fast-forward, to another, such as rewind, without pressing the stop button; doing this in decks without logic controls can damage the tape. In a surround-sound system, analog logic-steering circuits are used to improve separation between multiple channels derived from *matrix*-encoded stereo signals.

**loudness compensation:** A form of *equalization* that progressively emphasizes low frequencies (and sometimes high frequencies) as volume is reduced. Loudness-compensation circuits are designed to offset the ear's loss of low-frequency sensitivity as the sound level decreases; they can be switchable (on/off), adjustable, or automatic.

**low-pass filter:** A circuit, as in a speaker's *cross-over network*, that progressively *attenuates* signals above its cutoff frequency, passing those below unaltered; see *filter* and *high-pass filter*.

**magazine:** The removable module in a *CD changer* into which five, six, or ten discs are loaded; often called a "cartridge."

**magnetic cartridge:** A *phono* pickup that generates its electrical output by electromagnetic induction. Almost all hi-fi *phono* cartridges are magnetic.

**matrix:** A type of circuit commonly used in surround-sound encoders and decoders to squeeze three or more channels of information into two or to extract multiple channels from an encoded stereo signal. Also used to describe similar circuits that can synthesize an *ambience* channel from a nonencoded stereo recording. The term "matrix" derives from the mathematics involved.

**megabyte (MB):** 1,048,576 bytes, a measure of digital information-storage capacity.

**microphone:** An electroacoustic pickup device that converts acoustical energy — such as live music or voice — into an electrical signal.

**midbass:** The segment of the audio frequency spectrum covering sounds produced in the upper-bass and lower-midrange region.

**midrange:** The segment of the audio frequency spectrum between the bass and treble, which includes most of the fundamental tones of the voice and of most musical instruments, from approximately 150 or 200 Hz to somewhere between 500 Hz and 1 kHz. In audio, the midrange is often taken to include frequencies up to several kilohertz.

**midrange driver:** A speaker *driver* that is designed to reproduce frequencies from 200 Hz or so up to 2 or 3 kHz.

**MiniDisc (MD):** An optical record/playback format based on a low-bit-rate coding process called Adaptive Transform Acoustic Coding (ATRAC); up to 74 minutes of audio information is stored on and retrieved from a 2½-inch optical disc housed in a computer-disk-like caddy. MD is not physically compatible in any way with the CD format.

**mono (monaural or monophonic):** An audio *signal* in which all the information is in one channel. In a component, it indicates that only one channel is handled, as in a mono power amplifier or a *center-channel* speaker.

**MOSFET (metal-oxide-semiconductor field-effect transistor):** A type of *field-effect transistor* sometimes used in audio equipment.

**moving-coil (MC) cartridge:** A magnetic *phono* cartridge, typically of very low output, in which the magnet is fixed and the coils are attached to the *stylus cantilever*.

**moving-magnet (MM) cartridge:** A magnetic *phono* cartridge in which the coils are fixed and the magnet is attached to the *stylus cantilever*.

**MTS (multichannel television sound):** The encode/decode system devised by Zenith and dbx for stereo TV broadcasting in the U.S. An MTS decoder may be built into an audio or video component; also see *SAP*.

**muddy:** A subjective term describing sound, usually in the bass region, that isn't clear.

**multichannel:** An audio system or component that utilizes more amplifier/speaker channels than the standard left/right (front) stereo pair. See *home-theater system*, *Dolby Digital*, *Dolby Surround*, *Dolby Pro Logic*, *DTS*.

**multipath:** When a broadcast radio or TV signal reaches the receiving antenna over two or more paths of differing lengths. The resulting interference causes distortion on FM and "ghosts" on TV.

**multiplex (MPX):** Two or more channels transmitted on a single *carrier* so that they can be independently recovered by the receiver. Usually, as in TV and stereo FM, this is achieved by means of subcarriers, signals on the main carrier that are modulated by other signals. Some tape decks have an MPX filter that removes the 19-kHz pilot tone from stereo FM broadcasts.

**multiroom system:** A system that directs music or video programs from one or more sources to secondary listening spaces, or *zones*.

**negative feedback:** See *feedback*.

**noise:** Any unwanted signals that are not strongly correlated with the desired signal. Hiss and hum are typical examples of noise.

**noise reduction (NR):** A system designed to reduce the noise added to an audio signal during recording or transmission; see *Dolby B*, *Dolby C*, and *Dolby S*.

**ohm (Ω):** The basic unit of electrical *resistance*; also see *impedance*.

**omnidirectional:** Equally sensitive or effective in all directions. Might be said of an antenna, a microphone, or a loudspeaker.

**1-bit D/A converter:** A converter that translates the 16-bit PCM (*pulse-code modulation*) signal from a CD into an analog waveform using a digital delta-

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modulator followed by a PDM (*pulse-density modulation*) or PWM (*pulse-width modulation*) output converter.

**optical (fiber-optic) output/input:** A special type of *jack* that accepts *fiber-optic* cable.

**output level:** A measure of how strong the output signal of a component is, usually in relation to the strength of the input signal.

**output transformer:** A transformer used to couple the output stage of a power amplifier to a speaker. Output transformers are usually essential in tube amps but are almost never used in transistor amps.

**oversampling:** In a *digital-to-analog (D/A) converter*, a technique whereby multiple "samples" are mathematically generated from each real sample. That permits the use of digital *filters* to augment a simple, shallow analog output filter, instead of the complex and very steep analog output filter that would otherwise be required.

**parametric equalizer:** An *equalizer* that has variable parameters — such as frequency, level, and filter sharpness (or *Q*) — typically to accentuate or reduce its action on selected frequency bands.

**passband:** The range, or band, of frequencies that a *filter* lets pass through; see *crossover*.

**passive crossover:** A network comprising some combination of capacitors, inductors (coils), and resistors that divides the audio signal into frequency bands (low, high, and possibly *midrange*) after it is amplified; see *active crossover*.

**passive radiator:** In a speaker, an undriven cone ("drone cone") that substitutes for the mass of the air in the *port* of a *bass-reflex* enclosure, allowing greater flexibility in tuning the enclosure.

**PCM:** See *pulse-code modulation*.

**peak indicator:** Usually a flashing LED on a tape recorder that indicates when transient signal levels have exceeded the recorder's ability to handle them without distortion; a supplement to *recording-level meters*.

**peak-reading meter:** A *recording-level meter* that rises rapidly and declines more slowly so that the user can judge the levels of transient peaks.

**phase:** An expression of periodicity vs. time for a periodic *waveform* (such as a sine wave), often used to describe a signal's time-domain characteristics.

**phono:** Abbreviation for "phonograph"; refers to the low-level signals produced by a *phono cartridge* and to the phono input where a turntable is connected to a preamplifier, integrated amplifier, or receiver. Phono inputs use *RCA connectors*, sometimes called *phono jacks*.

**phono cartridge:** See *cartridge*.

**piezoelectric:** A kind of speaker *driver* (usually a *tweeter*) that employs a ceramic element that expands or bends when fed a signal voltage, generating sound.

**pink noise:** Random noise that has equal energy in each octave; used as a test signal.

**phase-locked loop (PLL):** A type of circuit used in tuners to lock the received frequency to a synthesized reference frequency, usually generated by a quartz oscillator; see *frequency synthesis*.

**polarity:** An electrical convention that describes one side of a circuit connection as positive and the other as negative. Reversing, or inverting, the polarity of an audio connection is equivalent to a sig-

nal phase change of 180 degrees, or one-half cycle; see *reverse polarity*.

**port:** An opening in the cabinet of a *bass-reflex* speaker that enables the sound wave from the back of a *woofer* to reinforce the sound wave from the front; also called a vent.

**power amplifier:** A component, or part of a component, that strengthens the audio *signal* from a pre-amplifier so that it can drive speakers.

**preamplifier:** A component, or part of a component, that switches and processes signals from source components. Typically, preamplifiers amplify only the low-level signals from *phono cartridges*, raising them to the same level as signals from other audio source components (called "*line-level*") and applying the necessary *RIAA equalization*.

**pre-emphasis:** Boosting of a range of frequencies, usually with the expectation that reciprocal *equalization (de-emphasis)* will be applied later to restore flat response. The usual purpose is for *noise reduction*.

**preset:** A memory position on a component that is either preprogrammed or programmed by the user. Tuner presets enable the frequencies of radio stations to be stored for instant recall, for example.

**programming:** The process of entering instructions for a component to carry out at a later time. For instance, many CD players can be programmed to play selected tracks in any order.

**pulse-code modulation (PCM):** Representation of an analog signal by a sequence of multibit binary numbers. PCM is the most common digital encoding scheme and is the one used for CDs.

**pulse-density modulation (PDM):** A signal-generation method used in the outputs of some 1-bit *digital-to-analog converters*, in which all of the signal pulses are of the same amplitude and duration but are either positive or negative; the output must be low-pass-filtered to recover the analog *waveform*.

**pulse-width modulation (PWM):** A signal-generation method, used in the outputs of some 1-bit *digital-to-analog converters*, in which all of the signal pulses are of the same amplitude but of varying duration, or width; the output must be low-pass filtered to recover the analog *waveform*.

**Q:** In an *equalizer*, Q is a number that specifies the width of the frequency band relative to its level; the higher the number the narrower the band, or range of affected frequencies. In speakers, Q usually refers to the sharpness of the low-frequency *resonance* and is inversely proportional to *damping*.

**quantization:** In digital audio, the representation of a continuous analog signal by a sequence of discrete numbers. In *PCM*, the *dynamic range* of the system is determined by the number of possible values available to represent various levels of signal amplitude, which is in turn determined by the number of bits used to represent each sample. In the CD format, the resolution of the quantization is 16 bits, which means that each sample can have any whole-number value between 0 and 65,535.

**quartz synthesis:** See *frequency synthesis, PLL*.

**radio frequency (RF):** The high-frequency electromagnetic signals used to broadcast radio and TV programs, or any very high-frequency signal, whether broadcast or not.

**random access:** The ability to go directly to the beginning of a song, track, or program without having to scan the intervening material; the process is usually initiated using numbered buttons on a component's front panel or remote control.

**RCA connector/jack:** The most common kind of audio connector, using a small, one-pin plug and a coaxial shield; also called a *phono* plug or jack because it originated in phono equipment.

**RDS (Radio Data System):** A system for transmitting text information along with the audio in a radio broadcast, for display on an RDS-equipped tuner or receiver.

**reactance:** The portion of the electrical *impedance* in an AC circuit that is not due to *resistance*. Capacitive reactance causes impedance to rise as the signal frequency decreases, whereas inductive reactance causes impedance to rise as the signal frequency increases.

**receiver:** An audio component that receives radio broadcasts, switches and processes audio signals, and amplifies the selected signal to drive speakers; also see *A/V receiver*.

**recording-level meter:** An indicator on a tape deck that displays the signal levels being recorded from moment to moment.

**resistance:** An electrical *impedance* that is the same for all frequencies; it is the only type of impedance for direct-current (DC) circuits.

**resonance:** The tendency of a mechanical or electrical system to vibrate at a certain frequency when excited by an external force, and to keep vibrating even after the exciting force is removed. Resonances are undesirable in audio equipment because they "color" the reproduced sound.

**reverberation:** A dense pattern of reflected sound that results when sound is created in an enclosed space. The more reflective the walls and surfaces of the listening space, the louder and longer lasting the reverb. The perceived effect of reverberation depends on the size of the room and how long it persists; it influences both the clarity (or intelligibility) of the sound and the feeling of spaciousness or *ambience*.

**reverse polarity:** An electrical condition in which the positive and negative wires running to one speaker in a stereo pair are reversed relative to the other; this causes the sound wave emanating from the speakers to be out of *phase* with one another, which weakens bass output by cancellation and can impair stereo *imaging*.

**RIAA:** Recording Industry Association of America; decades ago, the RIAA set standards for the *equalization* used on phonograph records to minimize noise and prevent overcutting. The reduced bass and boosted treble of vinyl records must be compensated for during playback by a phono preamplifier.

**ribbon speaker:** A form of speaker *driver* using a light, conductive ribbon suspended in a magnetic field; it produces sound by vibrating when a signal current is passed through it.

**rms (root mean square):** The most common, and accurate, way of averaging power measurements.

**rolloff:** A gradual reduction in the level of a signal above or below a certain frequency.

**rumble:** Low-frequency noise caused by imperfections in the drive mechanism of a turntable.

**sampling frequency (or rate):** In digital audio, the number of times a signal is sampled each second. The standard sampling rate for the CD format is 44.1 kHz, which means each second of sound is encoded by 44,100 16-bit numbers for each channel. The sampling rate must be at least twice the highest frequency to be recorded.

**SAP (second audio program):** A separate mono channel broadcast along with the two stereo chan-

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nels In the *MTS* system for stereo TV. The *SAP* channel can be used for various purposes, such as an alternative soundtrack in a different language.

**saturation:** A condition that occurs when an audio tape becomes fully magnetized and an increase in signal input level does not produce a corresponding increase in recorded level. Saturation also can occur in the magnetic structure of the *tape heads*.

**scan:** A tuner feature used to audition radio stations. On CD players, scan buttons can be used to move through a track.

**Serial Copy Management System (SCMS):** Incorporated in all consumer digital recorders to limit digital-to-digital copying of copyright material to a single generation. Any number of first-generation digital copies can be made from an original, but the resulting copies cannot themselves be copied via a direct digital link.

**search:** On CD components, search buttons (identified by arrow symbols) are used to move quickly from track to track. On some tape decks, fast-forward and rewind buttons can be used to automatically fast-forward or rewind to the next or previous track; also known as "music" or "program" search.

**sensitivity:** A speaker measurement that tells how much sound (expressed as *sound-pressure level*, or *SPL*, in *decibels*) is produced at a specified distance (usually 1 meter) from the speaker when it is fed a specified input signal (usually 2.83 volts, which will produce 1 watt into 8 ohms). A speaker that is 3 dB more sensitive than another requires only half the amplifier power to deliver the same *SPL*.

**servo:** Short for servomechanism, a control system that uses an output signal as feedback, comparing it to a reference signal; the difference between the two is used to correct the output.

**signal:** An electrical current or voltage whose variations represent audio or video information.

**signal processor:** A component that manipulates line-level audio signals; *equalizers* and surround-sound processors are the most common varieties.

**signal-to-noise ratio (S/N):** Measured in *decibels* (dB), the difference in level between a signal (usually a standard level) and the residual noise of the component through which it is passed; higher figures are better.

**slew rate:** The rate at which a signal changes amplitude, or the maximum rate at which an amplifier can change the amplitude of its output; usually expressed in volts per microsecond.

**slope:** The rate at which a *filter* or *crossover* attenuates out-of-band frequencies, in decibels per octave. Typical slopes are 6, 12, 18, and 24 dB per octave, which are also referred to as first- through fourth-order filters, respectively; the higher the number, the sharper the attenuation.

**solid-state:** Electronic circuits whose active elements are *transistors* and *integrated circuits*.

**sound field:** A listening environment; see *ambience*.

**soundstage:** The virtual performing space created by an audio system; also the real space where movie soundtracks are recorded. See *imaging*.

**source:** The signal that is played through a stereo system. CD players, tuners, and tape decks are the most common audio source components.

**Sony/Philips Digital Interface (SPDIF):** The standard format for exchanging digital audio signals between consumer audio components. Connections can be *coaxial* or *optical*.

**sound-pressure level (SPL):** A measure of acoustic energy, usually encountered in speaker *sensitivity* ratings; expressed in *decibels*.

**speaker (or loudspeaker):** A component that accepts audio signals from a receiver or amplifier and converts them into sound waves. Also see *driver*.

**speaker-level:** Audio signals that have been sufficiently amplified to drive a speaker; see *line-level*.

**specification (spec):** A manufacturer's numerical rating of a performance characteristic, such as *frequency response* or *distortion*.

**ST (AT&T ST):** A *fiber-optic* digital connector that uses glass fibers rather than plastic; see *Toslink*.

**stereo:** The use of at least two audio channels, left and right, to provide spatial realism; see *imaging*.

**stylus:** Needle-shaped material, usually diamond, at the end of the *cantilever* of a phono *cartridge*; its vibration as it traces vinyl record grooves is translated by the cartridge into an electrical audio signal.

**subsonic filter:** See *infrasonic filter*.

**subwoofer:** A separate speaker designed to reproduce only low-bass frequencies. Powered subwoofers contain an amplifier and an electronic *crossover*.

**supertweeter:** A *tweeter* used to reproduce only extremely high frequencies.

**surround sound:** See *Dolby Digital*, *Dolby Surround*, *Dolby Pro Logic*, and *THX*.

**tape deck, tape recorder:** A component that stores an audio signal on a magnetic tape; see *cassette decks*, *digital audio tape (DAT)*.

**tape heads:** The parts of a tape recorder that impose a magnetic pattern on a tape (for recording) or detect one that is already there (for playback). Most recorders have a separate head for erasing tapes by randomizing the magnetic pattern.

**tape monitor:** A switch on a tape recorder or pre-amplifier that enables the user to listen to a tape as it is being recorded to insure proper recording levels; on a preamplifier or receiver, it may also be used to connect an external *signal processor*.

**THD+N:** The sum of all distortion and noise, expressed as a percentage of the output signal; lower is better; see *total harmonic distortion*.

**THX:** A certification for home-theater audio systems and components that adhere to standards and specifications developed by Lucasfilm and can reproduce *Dolby Surround* and *Dolby Digital* movie soundtracks with very high accuracy.

**tonearm:** A device attached to a *turntable* that carries a phono *cartridge*; tonearms can be either pivoted or radial-tracking.

**tone controls:** A kind of rudimentary *equalizer* included in most receivers, and in some preamplifiers and integrated amplifiers, that allows changing the relative balance between preset frequency bands, usually *bass* and *treble*, sometimes also *midrange*.

**transient intermodulation (TIM) distortion:** A type of distortion that can occur in a *feedback* amplifier when the *slew rate* of a signal approaches or exceeds the amplifier's maximum slew rate.

**Toslink:** The most common *fiber-optic* connector for digital audio inputs and outputs; uses plastic fibers.

**total harmonic distortion (THD):** The percentage of an audio output signal that consists of spurious harmonics, or multiples, of the input frequencies in-

duced by an amplifier or other component through which the signal passes; lower figures are better.

**tracking:** The ability of a CD player or phono *cartridge* to follow the pattern recorded on a disc.

**transient:** A sharp peak in the audio *signal* caused by the attack of musical instruments, especially percussion instruments.

**transistor:** The basic amplifying element used in most audio components; see *solid-state*, *bipolar transistor*, *field-effect transistor (FET)*, and *MOSFET*.

**transport:** The parts of a tape deck that move the tape, including the motor(s), reel hubs, capstan(s), and other mechanisms. In a CD player or turntable, the transport system rotates the disc.

**treble:** The upper part of the audio spectrum, from 2 or 3 kHz to 20 kHz; see *bass* and *midrange*.

**tuner:** A component, or part of a component, that receives radio signals from an antenna, allows the user to select a station, and demodulates an audio signal from the broadcast RF signal.

**turntable:** A component that turns an analog phonograph record at a constant speed so that the recorded signal can be read by a phono *cartridge*, carried by a *tonearm*, that tracks a physical groove.

**tweeter:** A speaker *driver* designed to reproduce *treble* frequencies.

**two-way, three-way:** Refers to the number of frequency bands a speaker's output is divided into. A two-way speaker has a *woofer* and a *tweeter*; a three-way speaker adds a *midrange driver*.

**usable sensitivity:** A tuner spec that indicates the minimum level of an incoming mono signal required to produce a satisfactory output signal, one with no more than 3 percent noise and distortion; lower figures are better. Much less useful than the more stringent *50-dB quieting sensitivity spec*.

**vent:** See *port*.

**voice coil:** In a dynamic speaker, each *driver* cone or dome is moved by a voice coil, an attached cylinder wound with wire that is immersed in the field of a permanent magnet. Current through the wire from the amplifier creates an opposing magnetic field, and the voice coil moves in or out according to the direction and strength of the input signal.

**voltage:** The amount of work, in volts (V), required to move electrical current from one point to another.

**watt (W):** The primary unit of electrical power, equal to voltage times current.

**waveform:** A graphical representation of an audio signal as the curve that results when the instantaneous voltage (vertical axis) is plotted across time (horizontal axis); the positive-going portion of a waveform moves upward and the negative-going portion downward.

**watts per channel (W/ch):** A specification of how much power an amplifier or receiver can deliver to each speaker connected to it.

**wow-and-flutter (W&F):** A specification indicating the speed variation of mechanical components such as turntables and tape decks. Wow consists of slow variations, *flutter* of fast ones; low figures are better.

**woofer:** A speaker *driver* designed to reproduce *bass* or *bass/midrange* frequencies.

**XLR:** A three-conductor *balanced-line* connector.

**zone:** A listening area in a multiroom audio system.



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