

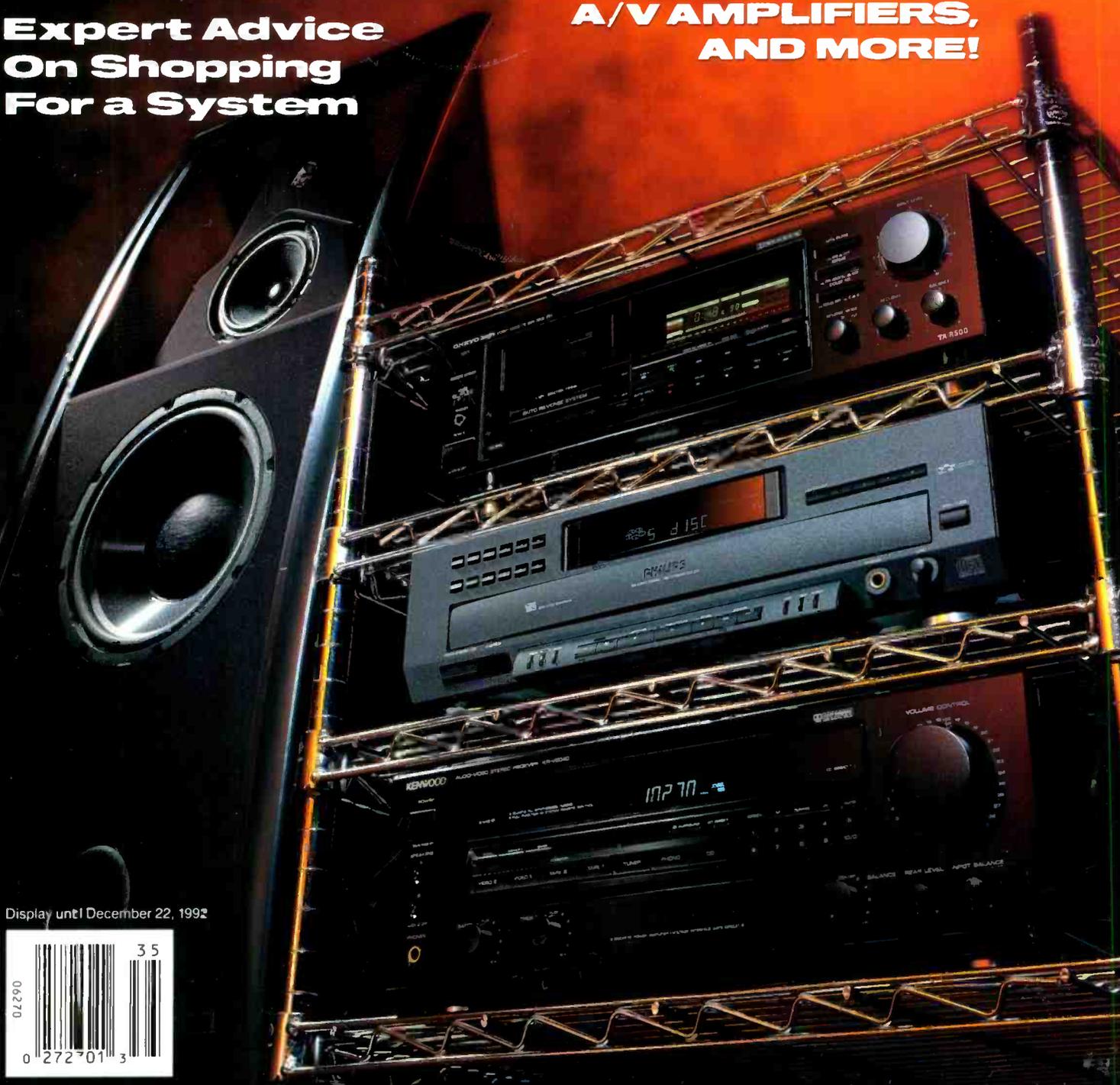
STEREO

BUYERS' GUIDE 1993

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SPEAKERS,
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Display until December 22, 1992



The Mitsubishi
CS-3535R 35" TV
features a fine
pitch screen, digital
comb filter,
invar shadow mask,
velocity scan
modulation, dynamic
beam forming, and
an anti-static coating.

In other words, "Wow, what a picture!"



When we introduced the first 35" direct view TV back in 1986, people couldn't believe that a picture that big could also be that sharp and that beautiful.

It's a reaction that has become more pronounced with every passing year. And this year is no exception, thanks to Mitsubishi's commitment to technical innovation.

Take, for example, our exclusive Diamond Vision® picture tube. A direct descendant of our stadium display screens, it delivers optimum contrast and color even under the most challenging light conditions.

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Our Dynamic Beam Forming technology resulted from the fact that electron beams become distorted as they reach the edges and corners of the screen. Reshaping and refocusing the beams results in a much sharper overall picture.

Also contributing generously to a sharper picture is our exclusive Fine Pitch Screen. By reducing the pitch, or horizontal distance between the phosphor stripes, it delivers a 20% improvement in detail.

We could go on and on about the picture enhancing advantages of our digital comb filters, invar shadow masks and quote from a considerable list of other technical specifications.

But to really appreciate the remarkable picture you get with the CS-3535R direct view 35", you need to do some basic research of your own.

Turn it on and watch it.

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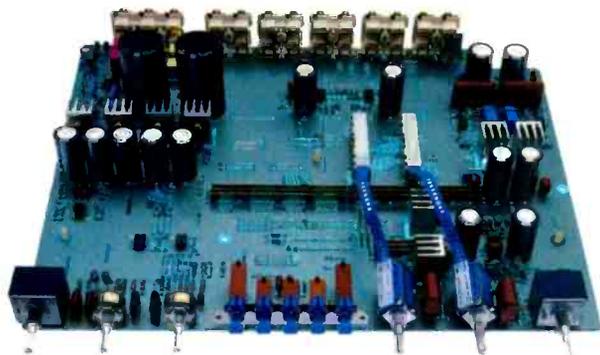
Adcom's GFP-565 Preamp: Pure and Simple.



In Search of Sonic Perfection, Adcom Took the Path of Least Resistance

The fewer circuits a musical signal encounters on its way to your loudspeaker system, the greater its musical purity will be. Now, through obsessive attention to detail and design ingenuity, Adcom has created the GFP-565 — the world's first affordable preamplifier with direct, linear gain path circuitry. By combining the GFP-565 with any of Adcom's power amplifiers, you can experience the exceptionally lifelike sound which has astonished even the most demanding critics.

From Input to Output,
the Signal Path is
as Direct, Pure and
Simple as Possible



By gold plating all input and output jacks, and then directly mounting all jacks, switches, potentiometers and other laboratory grade components on a double copper-plated, glass epoxy printed circuit board, signal losses and noise are dramatically reduced.

Three Sets of Outputs for the Perfect Balance of Performance and Flexibility

You can use one or more sets of outputs: 1) BYPASS - direct-coupled before tone controls, filters, etc. for the most direct path to your power amplifier while retaining control of volume and balance. 2) LAB - direct-coupled with no output-coupling capacitors yet with tone, filter and loudness controls. 3) NORMAL - same as LAB but with highest quality output capacitors for use with amplifiers needing the extra protection of ultra-low-frequency roll-off.

Bi-amped and tri-amped systems are easily accommodated by this flexible arrangement.

Pure Convenience

The minimalist aesthetics of the GFP-565 are deceptive in their simplicity. Without being overly complicated to use, this preamplifier is able to integrate and control all of the components in the most sophisticated of music systems. There are five high-level inputs as well as a phono input. A separate front-panel switch allows the use of an external processor, only when needed, leaving both tape circuits free. And, of course, you may listen to one input while recording from another.

More Sound, Less Money

Adcom stereo components have a reputation for sounding superior to others costing two and three times more. Keeping faith with this tradition, Adcom took the path of least resistance. Why not do the same? Ask your authorized Adcom dealer for a demonstration of this remarkable stereo preamplifier. Please write or call for a fully detailed brochure. You'll discover the best value in high performance

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simple.

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BUYERS' GUIDE 1993



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Cover photograph: Tony Cordoza

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CONSUMER ELECTRONICS GROUP ADVERTISING

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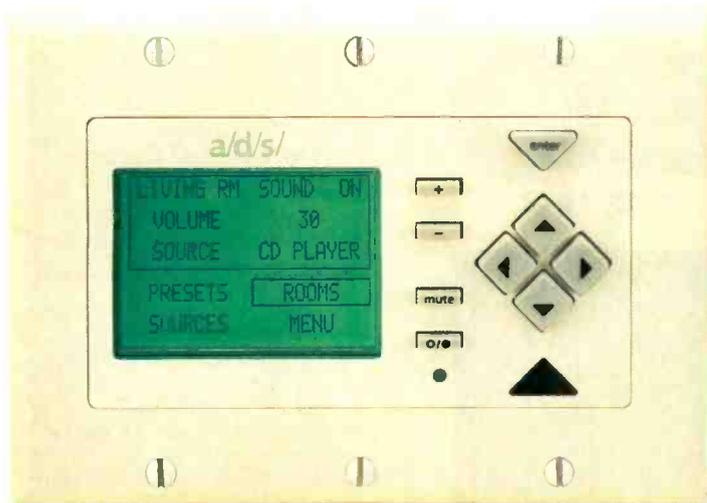
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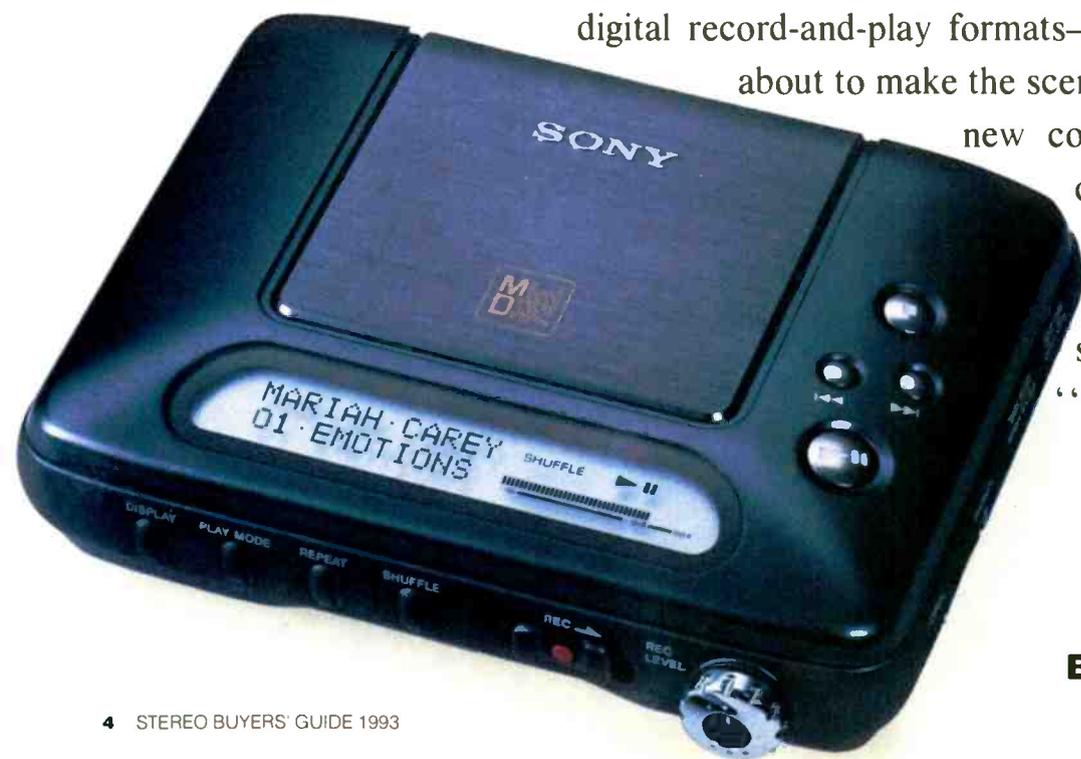


**DIGITAL RECORDING,
HOME-THEATER
SYSTEMS, AND MUSIC
IN EVERY PART
OF THE HOUSE**

WHAT'S NEW

SHOPPING FOR A STEREO is serious business these days. The last great audio revolution—the introduction of the compact disc—took place a decade ago, and things have been relatively quiet ever since. But manufacturers have been busy developing exciting new technologies, and 1993 just may be a trend-setting year. Two new digital record-and-play formats—DCC and MD—are about to make the scene. Meanwhile, many

new components are being designed to function within audio/video or “home-theater” systems. Finally, new “multiroom” gear



BY

BOB ANKOSKO

can spread music (and video) throughout your house. What's in it for you? Read on.

DCC

Developed by Netherlands-based Philips, the Digital Compact Cassette (DCC) is a clever update of the good old analog cassette, a product Philips pioneered in the Sixties. DCC offers near-CD sound quality and digital recording capability and it's compatible with conventional analog tapes. The new decks will be able to record for up to 90 minutes on a new breed of digital tapes, play those tapes or prerecorded DCC's, or play analog tapes; you won't be able to use the new decks to record on analog tapes, though. DCC cassettes look a lot like their analog counterparts, although they're a bit slimmer, only have spindle holes on one side, and use a sliding metal cover to protect the tape.

Conventionally styled home DCC decks from Philips, Marantz, Radio Shack (under the Optimus brand), and Technics are scheduled for a late-1992 launch, with prices ranging from \$800 (Philips) to \$1,200 (Marantz); see "Tape Decks," beginning on page 50, for details. As many as 500 prerecorded DCC titles from a variety of record labels may be available when the decks first hit retail stores, at prices equal to comparable CD's; blank DCC's will be available in 75- and 90-minute lengths for about \$8 and \$10, respectively.

MD

Sony's Mini Disc (MD) is being pitched as the ultimate portable format. The decks and 2½-inch discs offer small size, near-CD sound quality, CD's instant access time, resistance to shock, and digital recording. There are two types of discs. While they are both housed in a computer-disk-like plastic caddy and appear to be identical, one is recordable and the other is not; the latter will be prerecorded with music and sold in record stores. Both types of discs will have a maximum running time of 74 minutes.

While MD borrows laser-optical technology from the CD format, Mini Discs can't be played in CD players; CD's can't be played in an MD deck, either. As for shock resistance, the MD format employs a read-ahead buffer memory whose sole job is to prevent audible gaps in your favorite music; Sony claims you can jog with an MD portable, for example, and it won't skip. And unlike all of the tape formats, which are prone to wear, the Mini Disc is said to offer unlimited record and play potential.

Sony is scheduled to have two portable "MD Walkman" models in stores by the end of 1992: a \$750 recorder/player and a \$550 player; a car deck is due in early 1993. As many as 300 prerecorded titles may be available to support the launch. Prerecorded Mini Discs are expected to cost about the same as comparable CD's and 60-minute blank MD's will sell for about \$14. A number of manufacturers have licensed MD technology from Sony, but it's not clear when they will have MD products in stores.

HOME THEATER

Everybody's talking about home theater. The basic idea is to merge your audio and video components—generally your TV and VCR—into one super system.



Upgrades include a videodisc player, a big-screen TV, and a "surround-sound decoder."

Most movie soundtracks are encoded in Dolby Surround (also known as Dolby Stereo), a special recording process that brings on-screen action to life with great audio and realistic sound effects—the kind that make you duck when a low-flying chopper appears on the screen and heads your way. Fortunately, surround-sound coding remains intact when movies are transferred to video, which allows you to recreate the theater experience at home. The trick is that you need a surround decoder and a few extra speakers.

Decoders are available as standalone components and they're also built into audio/video receivers and integrated amplifiers. There are two types of decoders: Dolby Surround, which greatly enhances the sense of spaciousness and requires the use of one or two rear speakers, and Dolby Pro Logic, an advanced system that uses "steering logic" to sharpen sound effects and dialogue for the ultimate in realism. To get the full benefits of a Pro Logic decoder, you'll need to add a center-channel speaker to the usual front stereo pair, a couple of rear speakers, and maybe even a subwoofer. While the sky is the limit here, A/V receivers with built-in decoders provide the path of least resistance to home theater—and they can be had for as little as \$300 or \$400.

MULTIROOM

What exactly is a "multiroom system?" That depends on who you ask. In reality, any audio or A/V system that can be enjoyed in more than one room qualifies. The bottom line is that you can make your system do whatever you want it to do—play music in half a dozen or more rooms, for example, with a control panel offering things like source selection and volume adjustment in each—but the more sophisticated your plan, the more likely it is that you'll need the help of a professional installer (and the more expensive it'll be).

The simplest option is to extend the use of your system to another room that's been equipped with its own pair of speakers; a number of receiver manufacturers sell inexpensive "infrared-repeater kits" that enable their all-in-one system remote control to be used in secondary rooms (the "repeater" is a sensor that receives the remote's infrared commands and relays them, via wire, to your receiver). Options abound, however, and there are a wealth of specialized controller components, interface devices, wall-mount control panels, and in-wall speakers that can be mixed and matched to send audio and video signals anywhere you want them to go. For a hint of the possibilities, check out "Multiroom Components," beginning on page 197. □

SONY'S MD OFFERS DIGITAL RECORDING, SHOCK RESISTANCE, AND SMALL SIZE

Counterclockwise from the top, far left: an a/d/s/ CP6 multiroom control panel (\$350), not a GameBoy; Sony's Mini Disc (\$750) shows emotion; Philips' DCC 900 DCC deck (\$800) records up to 90 minutes.

THE SOUND OF MUSIC

**How to Buy a
Stereo System**

BY IAN G. MASTERS



OKAY, IT'S TRUE: Some of us are nuts, the kind of people (often called "audiophiles") who are willing to spend the price of a small house—or a large car—on stereo equipment. The goal is to squeeze the last ounce of audio quality out of a system. Fortunately, it *is* possible to get a great-sounding system without shoving money into a hi-fi store's coffers. Truly excellent components are available at every price level, so even if you're just starting out or don't need all of the knobs and special features, you still have a better-than-even chance of ending up with a bona-fide high-fidelity system. The catch: you have to take some time to plan out what you really need, and you have to shop carefully.

The reason is that everybody's different; your taste in music may differ from your friends', the room where you'll be doing all of your music listening has different furniture, and so on. So your best bet is to analyze what you want *your* system to do and then pick the components that will deliver the goods. If that sounds like a daunting task, take heart: There is a huge variety of equipment for you to choose from, so exactly what you want is definitely out there somewhere, at a price you can afford.

Your first step should be determining a budget. You can spend anywhere from a few hundred to tens of thousands of dollars. Setting a realistic budget will help you eliminate components that are out of reach financially, making specific buying decisions that much easier. Note that it's a good idea to build some cushion into your budget, which will take care of extras like cables, cleaning accessories, and sales tax. It will also

Components pictured, clockwise from left: Pioneer's PD-M650 CD changer (\$440), NAD's Model 5100 cassette deck (\$499), NHT's VT-1 speakers (\$650 a pair), and JVC's RX-507V receiver (\$590)





Sony's CDP-C525 CD changer (\$350) offers several ambience presets, such as jazz, church, and stadium.

Number 9, number 9 . . . Celestion's Model 9 (\$599 a pair) sports a 1-inch titanium-dome tweeter.



give you the flexibility to choose a more expensive model in any given category if it turns out that the extra dollars will boost performance appreciably or give you a feature that you really want.

THE SOURCE

To begin at the beginning, you'll need a component (or more than one) to feed music signals to the rest of your system. Which components you require depends on your past listening habits and how you intend to listen in the future. Including a turntable that plays LP's may make sense if you have a large collection of vinyl. Bear in mind, though, that new LP's are rare, and most if not all of your future music purchases will be either tapes or CD's. So if you are going to get a turntable, settle for a fairly modest one: fortunately, most of today's inexpensive turntables are very good performers. Look for rumble specs of at least -70 dB or greater and wow and flutter of 0.1 percent or lower. And don't skimp on the phono cartridge, which has a big effect on the sound of your LP's; almost all turntables are supplied with one, but they can usually stand some improvement.

Put most of your source money into tape and/or CD. While the Digital Compact Cassette (DCC) and the Mini Disc (MD), two new digital, recordable formats, are scheduled to hit hi-fi shops in time for the holidays (see "What's New," page 4), good old analog cassettes will remain a major format for prerecorded music for the foreseeable future. You may even decide to assemble a completely tape-based system. The advantages: Prerecorded tapes are plentiful (although they are losing ground to CD, especially when it comes to classical recordings), and you'll have the ability to copy music for use in your car or in a Walkman-type portable.

Many people use cassette components for copying tapes, so virtually all tape-deck manufacturers offer models with two cassette mechanisms and simplified dubbing controls that make the duplication, or dub-

Going Up?

YOU'VE HEARD A LOT about it, but you're probably still wondering, "What exactly is high-end audio, anyway?" Different folks will give you different answers, but one thing's for sure: It'll cost you *big*.

Another constant is the Law of Diminishing Returns. A \$3,000 system will not sound "twice as good" as a \$1,500 array that's been carefully designed around quality components; ditto a \$10,000 system versus a \$5,000 chain. Inevitably, you pay more and more for smaller and smaller improvements, and whether any particular expenditure is worthwhile will be an individual decision.

That said, few would argue one simple fact: You *can* get better sound if you go beyond the basic, popularly priced receiver-speakers-CD player trio.

• **Music Sources.** You can buy a CD player for \$179, or one with similar features and cosmetics for \$2,079—what's the difference? Most audiophiles would agree that the kilobuck model will sound better than the budget special, thanks to more stringent engineering, higher-quality parts, and carefully optimized D/A converter hardware. The same buffs, though, would probably agree that the sonic differences, even between such disparate models, would be small—and nowhere near as significant as those between, say, speakers tagged at \$3,000 and \$300.

Moving up the CD changer food chain reveals similar differences in sonic performance, for similar reasons. More expensive models may also deliver more elaborate features, such as library facilities that display disc titles (if you've taken the time to enter them the first time around) or remember the order of tracks you programmed for each disc or magazine.

The distinctions among analog cassette decks are more meaningful. Moving from a basic, \$149 deck to a serious \$1,500 recorder takes you from merely good recordings to ones that are usually indistinguishable from their CD originals. Top-end decks equipped with Dolby S—the latest evolution of tape noise reduction from Dolby Laboratories—can rival digital tapes in their clarity, detail, and lack of audible noise.

DAT has gotten a terrible rap in consumer circles, but it's a worthwhile option. Basically, it can essentially duplicate a CD; most buffs find little if any sonic difference between the original and copy. DAT can also be employed to archive analog sources like LP's and cassette tapes. The current lineup of DAT's ranges from tiny portables to traditional, shelf-sized components; pricetags go from well under \$1,000 (at retail) to well over \$2,000.

I should add that the analog LP record remains an important hi-fi source; some LP's will never be made available on CD,

and some audiophile holdouts even prefer the sonics of good old vinyl over all other comers. Today's standard-issue, \$200 turntable-and-cartridge rig is remarkably good, delivering perhaps 80 percent of what the technology has to offer. To get that last fifth of performance you enter the fascinating land of high-end turntables, where the platter mechanism, tonearm, and cartridge are often purchased separately to form a custom assembly. A truly high-end system can easily ring up at over \$1,000. At this price, it should offer less rumble for improved dynamic range, inaudible wow-and-flutter, and plainly better sound.

• **Separate Components.** Most basic stereo systems employ a receiver, but the high-end fan often goes the separate-components route, breaking the receiver's functions into three discrete units: a control preamplifier, an AM/FM tuner, and a power amplifier. This costs more—typically, almost twice as much as a comparably powered receiver. Many buffs, though, feel that the sonic refinement and flexibility you get with separates are worth the cost.

Paradoxically, separate preamps usually offer far fewer features than receivers. It's rare to find multicolored displays or built-in equalizers, for example, and many preamps even omit tone controls. Instead, separate preamps usually emphasize simplified circuitry and top-quality internal components, with the goal being to deliver maximal signal purity and, so the reasoning goes, the ultimate in sound quality.

Many separate tuners also appear simple, often with little beyond a single tuning knob and a power switch. While the AM/FM performance of today's topnotch receivers is superb, the very best performance—in terms of station-pulling abilities and sound quality—is still delivered by separate tuners. If audiophile-grade FM listening is one of your top priorities, a high-end tuner will simply deliver the goods better than most receivers. (Note that a good external antenna is every bit as important here.)

The best justification for separates is the power amplifier. The decision to go with a separate amp lets you give your system just what it needs. Separate amps start at your basic, \$400 model and jump to unabashedly high-end, four-digit-price all-tube behemoths; power ratings begin with a few dozen watts and climb to several hundred watts per channel. Some audiophiles argue that power amps dramatically affect a system's sound quality; others, including many engineering types, believe that amps generally sound the same. It's a lively debate, and your personal position is purely up to you.

• **Signal Processors.** Devices that modify, or process, audio signals range from the simple (equalizers) to the complex (digital-signal-processing surround-sound devices). You don't *have* to get one or several of them, of course, even for a

dizzily high-end system; in fact, many audiophiles avoid them like the plague. (Their rationale goes that the less there is between the source component and the speakers, the better.) Equalizers can be useful, though, in correcting the sonic anomalies introduced by an acoustically problematic listening room or deficient source material, like historical recordings.

Likewise, surround processors can add a convincing three-dimensional aspect to music reproduction; those that include Dolby Surround or Dolby Pro Logic modes can even help to turn a hi-fi system into a multimedia home theater for movie viewing. Adding a surround processor to your system can be cost-effective, but you'll need additional speakers and more amplifier channels.

And then there's the "outboard" D/A converter. This component accepts *digital* signals from a CD player or DAT deck and performs the magic that reconstitutes them into an analog audio music signal—a chore normally accomplished within the CD or DAT component. Why add a redundant item? Because many high-end listeners say outboards make their systems sound better, with greater "transparency" to the sound and a more accurate image.

• **Speakers.** It's not easy to describe what separates "high-end" speakers from the rest of the pack—other than price. You can purchase a pair of competently designed, well-made two-ways for \$300, for example; alternatively, you can buy a pair that are of similar size and have the same number of drivers for \$2,000. Once again, the Law of Diminishing Returns dictates that audible differences will grow ever smaller as the pricetag goes up. Audition a pair of expensive speakers with classical or traditional jazz music, though, and you should hear more natural instrumental tones and definition, as well as a more lifelike sense of the musical soundstage.

Relatively expensive speakers can also afford to be larger without cutting corners on components or engineering quality: naturally, big but inexpensive speakers have to skimp somewhere. The benefits of a well-designed large speaker are the ability to deliver the elusive bottom-most octave of bass and—when sufficient amplifier power is on tap—sound that is effortless, even with music that has an extremely wide dynamic range. To get it all—full-range bass, unrestricted dynamic range, and top-drawer musical refinement and imaging—you will inevitably be propelled into the world of truly high-end speakers: big ones with big, four-digit pricetags.

As always, an audition will let you know if this extreme is for you. When pitting expensive and inexpensive speakers against one another, listen to them for an extended period: a whole movement of a symphony, or at least two or three cuts of rock or jazz.

(As ever, make sure that the speakers you're comparing are accurately matched in terms of level; the louder speaker will almost always sound better.) Try to isolate yourself from all distractions and listen "through" the system: listen for detail in instruments, richness in vocals, a sense of spaciousness, and an almost organic sense of naturalness. Other things being equal, the speaker that lets you do this with the least effort and for the longest span of time is probably the best, most truly "high-end" choice for you. Remember, too, that music enjoyment is a very personal affair, and a salesman's favorite speaker—or a magazine reviewer's—might not sound natural to you.

SHOPPING FOR HIGH-END GEAR is much like shopping for any other audio product. Look for an attractive deal, but keep in mind that high-end equipment is rarely discounted like mass-market goods; often, it can't be, due to manufacturers' pricing structures. Resist the temptation to take a salesman to heart as a co-member of an elite, audio-afflicted fraternity; on the other hand, a knowledgeable and responsible salesman can be a priceless guide through the thicket of conflicting, occasionally bizarre high-end designs and manufacturers' claims.

One other rule of shopping is even truer at the high-end: Any listening room will profoundly influence music reproduction, so what you hear at the store will not necessarily be duplicated at home. Be sure to get a home-listening trial or a return or exchange privilege before you buy.

—Daniel Kumin

High-end heaven:
B&W's Matrix 803 speaker (\$3,000 a pair) and Counterpoint's SA-100 tube amp (\$1,395).





Nakamichi's CassetDeck 2 (\$399) boasts both Dolby B and Dolby C noise reduction.

Ported authority: Infinity's SM 112 speakers (\$738 a pair) provide both treble and midrange level controls.



bing, process a snap. Almost all of these decks also let you dub tapes at double speed, reducing the amount of time you have to wait around. While these double decks are definitely convenient, they usually make tapes of lesser quality, particularly when the high-speed mode is used. So if you want truly high-quality dubs, you may want to spend a few more dollars for a good single-transport machine and borrow a friend's deck when you want to copy tapes.

All component-grade cassette decks can record on the three types of tape available today: Type I ("normal"), Type II (chrome or "high-bias"), and Type IV (metal). Most decks adjust themselves automatically to

accommodate the type of tape you're using (by sensing standardized cutouts in the cassette shell), but provide only an approximate match. So some machines offer a "bias-trim" control of one sort or another, which lets you adjust your machine for a particular brand and model of tape. This is an important feature, since every different type of tape has different bias requirements, and mismatches can seriously degrade sound quality. If the cassette deck you like doesn't offer a bias control, ask a salesman to help you find the tape that performs best with your deck—then buy a big supply of it.

Despite their prevalence in the marketplace, cassette decks aren't perfect. While most machines now boast very acceptable wow-and-flutter values of 0.1 percent or better (that is, lower), for example, even speed irregularities of this magnitude quickly become audible—and annoying—when dubbing. Cassettes also suffer from relatively high levels of noise or hiss, although this weakness has been tackled over the years by various means of noise reduction. "Dolby B" is by far the most common, and you should consider it the absolute minimum. Most of today's decks also include Dolby C noise reduction, which produces even better-sounding tapes. Note that the two Dolby systems are incompatible, and that tapes made with Dolby C lose fidelity unless they're played on a deck that offers Dolby C; this could be a hassle if your portable or car deck doesn't have it (many don't). Yet another noise-reduction option is Dolby S, while a handful of machines also include a totally different noise-reduction scheme called dbx, which is very effective—but incompatible with all of the Dolby's. In any case, a good deck should have a signal-to-noise spec of 60 dB or higher; methods of measuring this spec differ, however, so it's a good idea to give any cassette deck you're considering a thorough listening evaluation.

Finally, many cassettes positively bristle



OUR OPEN-DRAWER POLICY. CHANGE UP TO FOUR DISCS WHILE STILL LISTENING TO ONE.

Technics' open-drawer policy is very simple. It enables you to change any four discs while the fifth keeps on playing. And it's standard policy on all our new 5-disc rotary CD changers. So no one ever has to miss a beat. Or wonder why the music stopped.

But this ingenious playback system isn't the only thing that makes our new CD changers, like the SL-PD827, the life of the party.

It's engineered with innovative MASH* 1-bit DAC technology. As an

improvement over conventional DACs, we use high-order oversampling and noise-shaping technology. So every musical detail and nuance on your CD is faithfully reproduced.

There's even a feature called Delete Programming. So if you just want to hear your favorite songs, all you have to do is "delete" the tracks you don't want to hear, instead of programming track by track.

What's more, our advanced digital servo system reads each disc individu-

ally. It can tell if the disc is slightly off center. Or if the disc is warped, dirty or scratched—all of which can cause skipping. Our CD changer detects these problems and makes the appropriate adjustments. So nothing gets between you and incredible CD sound.

Technics' open-drawer policy. It lets you listen to one, while changing four so no one has to "take five."

Technics
The science of sound

*Panasonic developed the world's first MASH-type DAC. MASH technology was invented by NTT (LSI Labs). MASH is a trademark of NTT.

with "convenience" features. They may or may not be worthwhile to you, but they all cost money. The trick is to determine which ones you'll really use and forget about the rest. The ability to access specific tracks CD-style may be neat at first, for example, but if you usually listen to your tapes all the way through, there really isn't any reason to pay for it.

Compact disc players are the real heavyweights in today's systems. The CD offers extremely quiet, pristine sound with very convenient playing features such as instant access to tracks. Many recordings are also being released on the CD format only, and this trend is likely to continue unless DCC, MD, or some other new format proves popular. It's entirely sensible, therefore, to include some kind of CD component right from the start. Fortunately, this can be done without wrecking your credit limit.

Singling out a player from the field of contenders can be tricky, since conventional specs like frequency response and signal-to-noise ratio, the touchstones of earlier components, are practically irrelevant when it comes to the CD: the reason is that even most inexpensive models have extremely good response and S/N specs. Other specs are confined to the realm of the CD, however. Linearity, which rates the accuracy of the signal at low levels, is largely a moot point now that the majority of modestly priced players employ so-called "1-bit" or "Bitstream" digital-to-analog converters, which have proved to be very effective in this area; nonlinearity isn't a problem in virtually all expensive models, either.

Likewise, the topic of D/A conversion includes discussions on the merits of two-, four-, eight-, and sixteen-times oversampling, single versus dual converters, 18- versus 20-bit conversion, and more. The bottom line here, though, is that even inexpensive models usually employ at least four-times oversampling, which is fine; as for the other considerations, there are many excellent designs in each area, and the reputation of the manufacturer is of greater import. Basically, if the model you're interested in is made by a reputable, name-brand company, you really don't have to worry about these technicalities unless you consider yourself a buff and want to research the matter further.

As with a cassette deck, determine which CD features will really be useful to you—and which won't. Look at the remote control, if one is supplied: Is it well laid out? Press the player's track-skip control or, if it offers them, one of the buttons that offers instant access to tracks; a good player moves quickly from track to track. Ex-

**Pristine sound
and instant track
access make CD
players the
heavyweights
in today's systems.**

amine the front-panel display: Is it clear? Does it tell you what *you* need to know?

Above all, consider whether you'd prefer a CD changer, which can hold a minimum of five discs at once; you can even program a changer to play a selection of cuts from each disc. I've found that "carousel" changers are the easiest to operate. They hold five (or, in one case, six) discs around the perimeter of a large tray. A popular alternative is the "magazine" changer, in which six or ten discs are placed in a plastic caddy, which is in turn inserted in the changer. You can even store discs in the magazine on a permanent basis, and some models recognize them and reactivate your original programming commands every time a specific magazine is inserted. Most magazines can also be used in car changers made by the same manufacturer, although there is little compatibility from one brand to another. There are even a few changers that employ two or even three magazines, and some that team a magazine with a single-disc drawer.

MISSION CONTROL

While super-sophisticated hi-fi systems usually use individual components to perform every function (see "Going Up?", page 8), integrated components like the receiver typically don't involve a sacrifice in quality. Many truly excellent-sounding systems are built around components that contain switching, volume, and tone-control functions plus power amplifiers in one chassis. Such a product is called an "integrated amplifier"; if it also contains an AM/FM tuner section, it's called a "receiver." By far, the majority of basic systems are built around receivers.

The reason often has to do with money. Putting a large number of components in one chassis and running them with a single power supply avoids costly duplication. There may be some sacrifice in flexibility

or ease of use—there is a limit to the number of switches and knobs one panel can hold, a fact that apparently hasn't dawned on some receiver designers—but that will only be a problem if you have specialized requirements, like the need to have three tape decks up and running or want to use two or more signal processors. For most people, though, the savings in cost, shelf space, and wiring complexity outweigh other considerations. You certainly won't sacrifice very much in the way of features, particularly with today's audio/video (A/V) receivers, which routinely offer both audio and video switching, a multitude of input and output options, and adequate power for all but the most earth-shaking applications. Many A/V receivers and integrated amps also contain surround-sound circuitry, including the ultra-sophisticated Dolby Pro Logic, and are suitable as the basis of very sophisticated multi-channel home-theater systems.

There are so many features, in fact, that your main difficulty in choosing a receiver may be deciding what you *don't* need. Every one costs something, of course, so the more functions a receiver has at a given price, the greater the chance that sacrifices have been made elsewhere in its design. The most common place to skimp is the power-amp section, one very important aspect of any receiver or integrated amp. When checking out receivers, look first at the amplifier power (in multichannel surround receivers or integrated amps, the most important amp channels are the main front stereo pair, since center and rear surround channels require less power). How much power you need depends on the speakers you buy, the room you'll be listening to them in, and, to some extent, the type of music (and video) programs you want to enjoy. The number of watts you come up with will form the basic requirement for the receiver or integrated amp. Whatever else a particular model will do, if it has inadequate power for your needs, don't buy it. Most basic but still hi-fi systems are built around receivers or integrated amps that deliver from 60 to 100 watts to each of the main front speakers; 20 to 30 watts for the center and each of the rear surround speakers should suffice.

Even after you've eliminated under- or over-powered models, there will still be a wide field to choose from, and that's the time to start considering features. Don't be overly concerned with specs; virtually all of today's name-brand receivers deliver excellent sound. But, if you listen to a lot of radio and reception is a problem at home, you should audition the tuners in as many receivers as you can. While reception con-

The only
reason not to
buy an Onkyo
CD Carousel
is if you're
into antiques.

The World's First 6 Disc Carousels



With the introduction of the world's first six disc carousels, Onkyo takes the CD changer into the future and consigns all other models to the past.

But, Onkyo's new DX-C909, DX-C606, and DX-C206 6 Disc Carousels don't accomplish this by just being "one better" than conventional 5 disc players.

The Integra DX-C909, for example, incorporates design elements usually reserved for only the most costly single play components.

It utilizes Onkyo's proprietary Single Bit D/A Converters and AccuPulse Quartz System for unsurpassed linearity and stability, resulting in musical reproduction that's indistinguishable from the original performance. Onkyo's AEI Transformer eliminates electro-magnetic flux leakage (a hazard common to other players) that can cause distortion. A copper plated chassis provides greater shielding and lower noise levels, while optical outputs insure the purest possible signal transmission.

With Onkyo's new six disc carousels, optimum engineering joins breakthrough convenience for the first time as well. Onkyo's Next Selection Function lets you change the next track programmed without interrupting the track that's playing. No other carousel, magazine changer or single play machine has this ability.

So, if you're purchasing a CD changer, Onkyo's new carousels are really the only choice you have.

Unless you're into antiques.



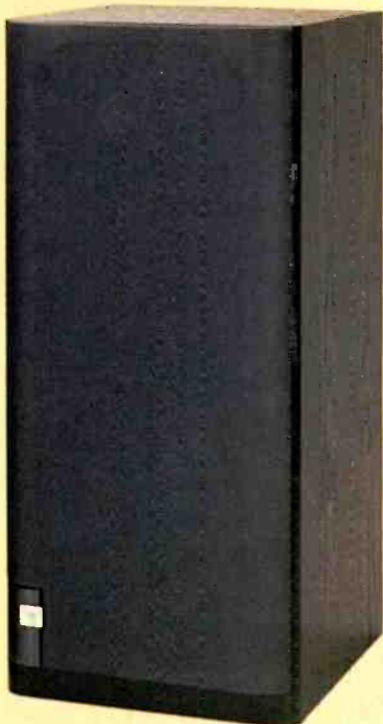
ONKYO®

200 Williams Drive, Ramsey, NJ 07446 201-825-7950



Wide receiver:
Sherwood's RV-5010R
A/V receiver (\$300)
has a Dolby Surround
decoder and thirty
AM/FM presets.

JBL's LX 500 (\$319)
contains a 10-inch
polymer-laminate woofer,
a 5-inch midrange,
and a 1-inch titanium-
dome tweeter.



ditions in the store are likely to differ, the results will still give you a good indication of the tuners' quality.

SPEAKER OF THE HOUSE

Speakers are by far the most important components in *any* audio system. They, more than anything else, determine its sound quality, so you should spend most of your shopping time auditioning them. There are, however, plenty of things you can do to narrow the field before you begin your search.

Start with cost. More than with any other type of component, speaker quality can be independent of price—there are very expensive speakers that sound terrible, and there are very inexpensive but great-sounding models too. With name-brand manufacturers, though, quality generally increases with price. The question only you can answer is, "Are the increases *appreciable*," especially if the price of a certain model exceeds your budget.

The next thing to consider is physical size. This one is simple, since there's no point in considering speakers that just won't fit in your listening room. In terms of performance, your decision will involve a trade-off in size vs. sensitivity vs. bass output. A small speaker usually requires more watts than a large one to produce the same amount of sound, and that tends to affect bass performance (it sops up most of your power). As a rule, if you want to play music and/or videos at rock-concert volumes and get gut-wrenching bass, you'll probably need floor-standing speakers (and an appropriate amount of power). Can you accommodate them? If your listening needs are more modest, smaller "bookshelf" speakers should be adequate; and, despite the size/power maxim mentioned above, small speakers usually don't require the *prodigious* amounts of power they once did to get even reasonably loud without sacrificing musical accuracy, which, by the way, should be the goal of any system aspiring to hi-fi status.

Another space-conscious option is the subwoofer/satellite system. While the

speaker drivers that reproduce mid and high frequencies have to be positioned carefully to create a realistic "sound stage," the drivers that reproduce low frequencies usually don't, so woofer placement may be more a matter of convenience. Subwoofer/satellite systems break the conventional stereo speaker pair into a three-piece entity, with two small mid- and high-frequency-producing satellite speakers and one largish subwoofer module. The subwoofer can be placed under a table or behind a couch, usually with little in the way of unpleasant side effects (in some cases, the subwoofer can cause the table or couch to resonate). In small rooms, a subwoofer/satellite system is often the best answer to the small-space/big-sound question. And with the increasing popularity of surround-sound home-theater systems, four or more satellites teamed with one or two subwoofers is a relatively inexpensive and effective option.

In the end, the speakers you choose must fulfill two sonic requirements: They must produce enough output before distorting to satisfy you, and you have to like the way they sound. First, consider that the larger your room and the "deader" its furnishings, the greater the acoustic output you'll need; to get that output, you have to come up with the right combination of amplifier power and speaker sensitivity. The latter is usually rated in decibels of sound pressure level (dB/SPL) for an input equivalent to a 1-watt output (or 2.83 volts into 8 ohms) and measured at a distance of 1 meter in an anechoic chamber. If you're scouring spec sheets, make sure that these qualifiers are attached to the manufacturers' sensitivity ratings: numbers in the high 80's are considered quite sensitive, while anything over 90 dB is very sensitive. For every increase of 3 dB, half the amplifier power will be required for a given acoustic output, and vice versa. In any case, speaker sensitivity of 88 dB and amplifier power of 60 to 100 watts per channel should deliver adequate output in most listening rooms.

As for sound quality, the only thing to do is listen—a lot. The considerations dis-

The only
reason not to
buy an Onkyo
Pro Logic
Receiver is if
you're into
antiques.

The World's First Full Digital Dolby Pro Logic Receiver

Onkyo's new Integra TX-SV909PRO offers home theater performance so advanced, other receivers are destined for some unhappy endings.

The TX-SV909PRO is the world's first receiver to feature a full digital Dolby Pro Logic surround decoder. The technical benefits are significant: improved signal-to-noise ratio, lower distortion and greater separation. To your ear this means Dolby surround sound that is identical to a first class theater, with pinpoint imaging of all dialog, music and sound effects.

The TX-SV909PRO is also the world's first receiver to incorporate the acclaimed Ambisonic Surround Sound System, which is to music what Dolby Pro Logic is to movies. The Ambisonic process recreates a 360° soundstage, with a seamless, natural transition from the front to rear speakers. Ambisonic recordings (such as those on the

Nimbus label) played back through the decoder on the TX-SV909PRO deliver a sense of musical time and space that is more lifelike than anything you've ever heard.

The high technology found in the TX-SV909PRO can only be achieved by Onkyo's dedication to uncompromised engineering. That's why the TX-SV909PRO features 7 Discrete Power Amplifier Sections and 3 Independent Heavy-Duty Power Transformers. True Multiple Room/Multiple Source capability is assured via this 7 channel design as well - you can have full 5 channel Pro Logic in your home theater/media room while someone in the bedroom listens to a CD in stereo.

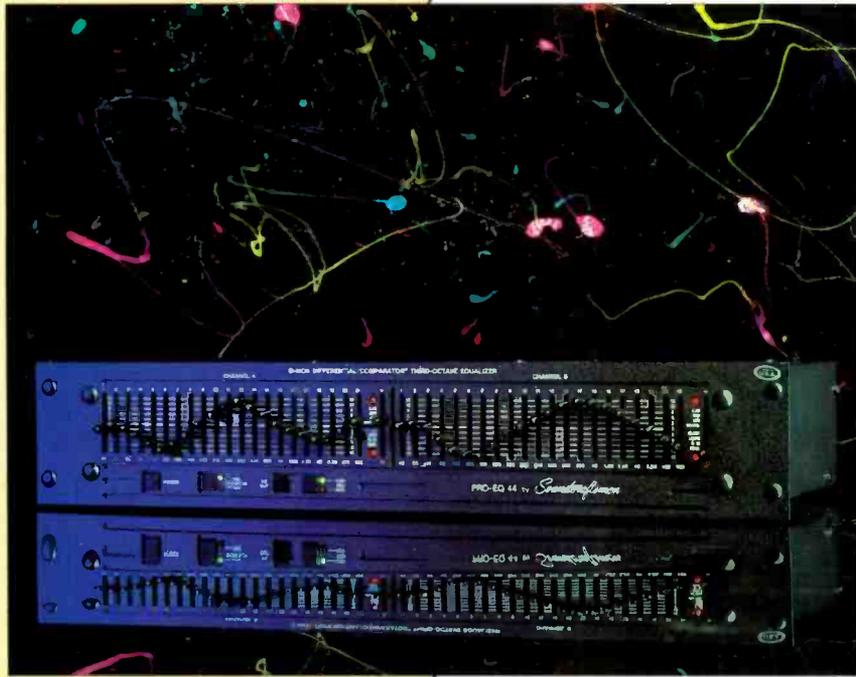
In addition to the TX-SV909PRO, Onkyo offers an entire family of advanced Pro Logic Receivers. Which means if you're looking for unequalled home theater performance, Onkyo is really the only choice you have.

Unless you're into antiques.



ONKYO®

200 Williams Drive, Ramsey, NJ 07446 201-825-7950



**Ambient reflections:
MTX Soundcraftsmen's
Pro EQ-44 (\$549) is
a stereo graphic
equalizer with
twenty-one
frequency bands
per channel.**

**Denon's DCD-690 CD
player (\$300) offers
twenty-track
programming and
a music calendar,
and it's compatible
with Denon's IS-system
remote control.**

cussed above will eliminate a lot of unsuitable candidates, but there are sure to be many attractive speakers remaining. The *only* way to make your final choice is to spend as much time as you can listening to them. Get the salesman to set up the most promising models side by side in his listening area so that the arrangement comes as close as possible to your own listening room; placing them side by side, and away from room corners, is essential, since a speaker's surroundings can radically alter its sound and disrupt the integrity of your evaluation. Audition speakers two at a time using your own music, and make sure that the speakers are playing at the same level—a speaker that's only slightly louder will almost always seem better, even if you can't characterize the difference as one of level. While it's unlikely that one store will carry all of the candidates you want to audition, you should compare each one to at least a couple of the others and take notes, even if it means you have to haunt several stores. It bears repeating that your choice of speakers is the most important

decision you'll make, so take your time and have faith in your instincts.

When you've made a choice (but before you buy), make sure you know the shop's returns policy. However thorough your auditions may have been, your speakers *will* sound different at home than they did in the store. If they suddenly are unacceptable, you'll be happy to know that you can return or exchange them.

WHERE AND WHY

If you've bothered to read this far, you'll probably find yourself spending a lot of time in hi-fi stores before you buy. This should not only help you decide what you want to buy but also where you want to buy it. A good audio shop should have salesmen who are knowledgeable, helpful, and tolerant. Remember, too, that they're trying to make a living; you may have to patiently share their time with other customers, particularly if the shop is busy. In fact, the best time to shop is not on Saturday or Sunday but on a Monday, Tuesday, or Wednesday evening.

Pricing policies are important as well, of course, but prices have to be weighed against other benefits. A specialty store may charge more for a particular component than the discount store across the street, but it's more likely to back up what it sells after you've bought something and taken it home. The specialty shop might even set up the system as part of the price. Such factors, plus the range of products a store carries, should be assessed when you are making the rounds. If you can manage to source your whole system in one store, you are likely to get both price concessions and to establish an ongoing relationship that may come in handy if—*horrors!*—your equipment breaks.

IT'S TRUE: All of the equipment on store shelves can be intimidating, but don't worry. There are plenty of components that combine low cost, high quality, and ease of operation. It *will* take some patience and determination to find what's right for you, but I guarantee it will be worth the effort. □



SONY



Putting a Whole New Spin on Personal Music Enjoyment.



MiniDisc: Digital Audio Gets Personal.

It all started with the Compact Disc. When Sony launched the CD just 10 years ago, we introduced the concept of an optical-based digital audio disc. And we gave music lovers their first taste of digital high fidelity with quick random access. Music was finally free of analog noise, wow & flutter and distortion. The CD brought the home listener a giant step closer to the original musical source.

Over the past decade, Sony has taken these high standards, and raised them even higher, with wave after wave of CD player innovations. We've also improved CD software by developing a new generation of professional 20-bit studio recorders. And now Sony's critically-acclaimed Super Bit Mapping™ technology achieves near-20-bit performance on standard 16-bit Compact Discs.

These refinements have helped keep Compact Disc at the cutting edge. But as advanced as Compact Disc undoubtedly is, it has never provided many benefits that until now have been the exclusive domain of cassette tape, like recordability, shock resistance and ease of portability. That's why Sony is about to introduce the next step in the digital audio revolution: MiniDisc.

MiniDisc: The New State of the Art in Personal Audio.

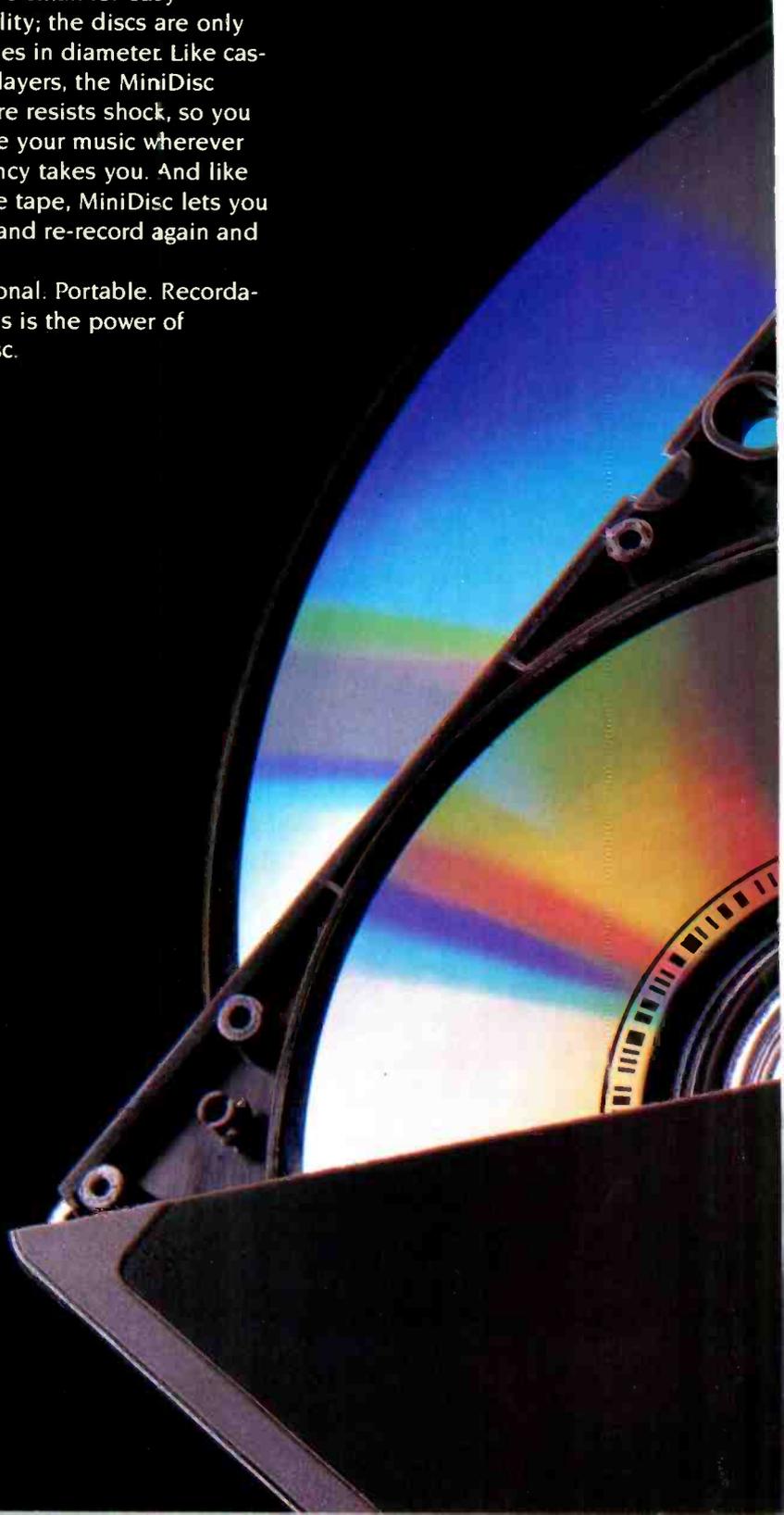
Sony's MiniDisc is an all-new format with an unmatched range of possibilities. Like the Compact Disc, MiniDisc boasts up to 74 minutes of spectacular digital sound—nearly the same sound quality as CD itself. Like CD,

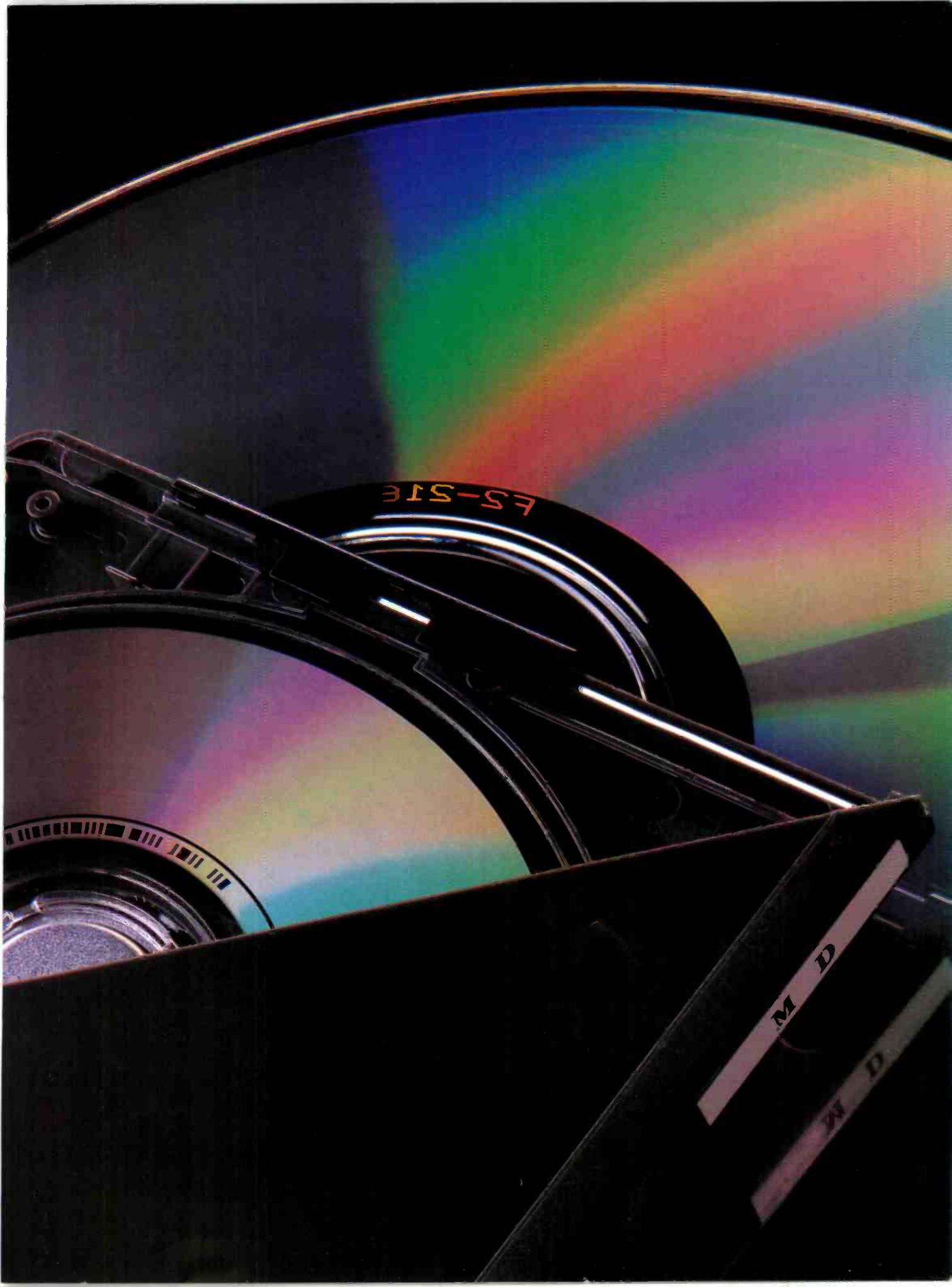
you can access any song in less than one second. And the MD is just as durable as a CD, so you can play an MD millions of times without any degradation or wear.

MiniDisc also offers the key advantages of cassettes. MiniDiscs are small for easy portability; the discs are only 2.5 inches in diameter. Like cassette players, the MiniDisc hardware resists shock, so you can take your music wherever your fancy takes you. And like cassette tape, MiniDisc lets you record and re-record again and again.

Personal. Portable. Recordable. This is the power of MiniDisc.

COMPACT DISC
10
10TH ANNIVERSARY





FS-51E

M D

M D

MiniDisc: Great Sound Wherever You Go.

Imagine a disc player you can take anywhere you go, any way you travel. Imagine discs so small that several can fit in a shirt pocket. Yet imagine each of these discs containing up to 74 minutes of stereo sound reproduced with the superb clarity of digital technology. How could Sony put so much music on a disc so small? The answer is a technological tour de force called ATRAC.

ATRAC: Minimum Size, Maximum Music.

ATRAC stands for Adaptive Transform Acoustic Coding, the proprietary bit reduction technology that makes MiniDisc possible. The system uses psychoacoustic threshold of hearing and masking principles to analyze the music and record only those tones to which the human ear is most sensitive. ATRAC captures music that approaches CD performance in areas like frequency response, dynamic range and distortion on a disc only one third the size of a Compact Disc.

ATRAC is unique among bit reduction systems because it performs a comprehensive, non-uniform frequency and time analysis of the music. It divides

the audio signal into three separate bands and 512 frequency spectra, with unequal widths that mirror the ear's sensitivity to different frequencies. Finally, ATRAC constantly varies the allocation of bits according to this analysis.

While ATRAC technology is complex, the benefits are simple. Extended record/playback time. Miniature disc size. And outstanding digital sound. It's no wonder that award winning producers and engineers like George Massenburg have acclaimed ATRAC technology as "A significant technological breakthrough—not a rework of arcane hardware. It just sounds great!"

Rugged Cartridge.

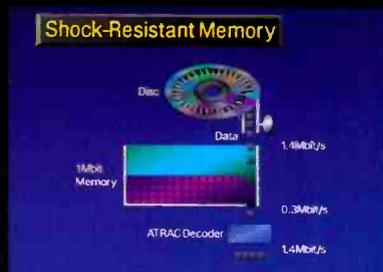
MiniDisc may be small, but to make it truly portable, Sony placed it in a protective cartridge. So MiniDiscs are ready to travel. You can toss them in a glove compartment, briefcase or even your pocket.

Phenomenal Shock Resistance.

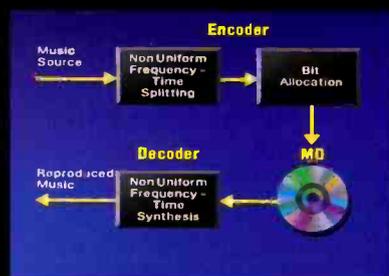
Most CD players try to resist skipping by means of an oil-damped or mechanical suspension. MiniDisc hardware takes an altogether different approach: a revolutionary method called Electronic Shock Protection (ESP).

The heart of ESP is a buffer memory chip that stores digital data from the disc. Thanks to ATRAC bit reduction, a four Megabit chip corresponds to ten seconds of real-time music. So if shock and vibration should make the laser mistrack, music will continue to flow for up to ten seconds. This gives the laser ample time to resume proper tracking, so your music never misses a beat. In this way, MiniDisc matches today's active lifestyles, letting you bring high-

quality digital sound where it's never been before.



As a prerecorded medium, MiniDisc offers still other advantages, like Text Mode. It's an eye-catching display of the disc's title, track title and even the artist's name. Text Mode is just one more example of how MiniDisc puts a new spin on personal music enjoyment.

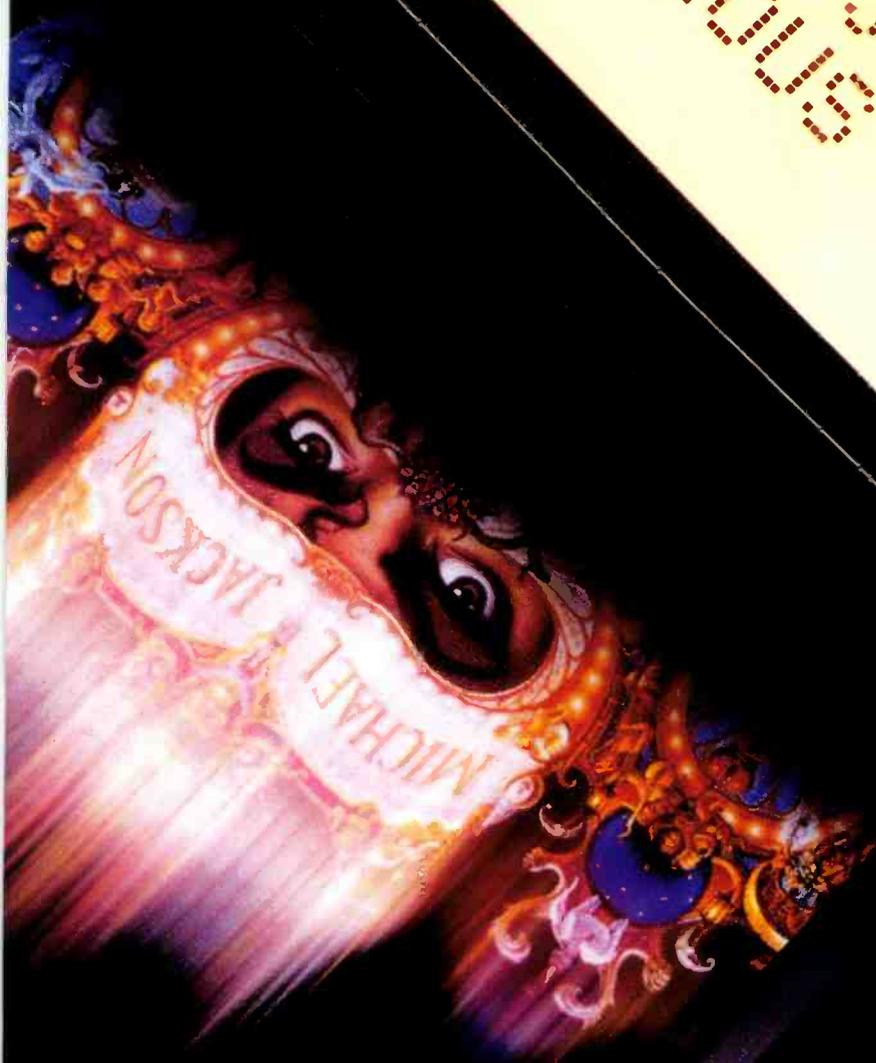


UNLIKE OTHER BIT REDUCTION SYSTEMS, ATRAC PERFORMS NON-UNIFORM FREQUENCY AND TIME SPLITTING.

SONY

DBB

MICHAEL JACKSON
DANGEROUS



STOP/CHARGE

At Long Last, You Can Record on a Disc.

For over forty years, audio recording has meant tape recording. And while tape recording is better than no recording at all, it's always been plagued by tape shedding. Tape stretching. And occasionally even tape jamming.

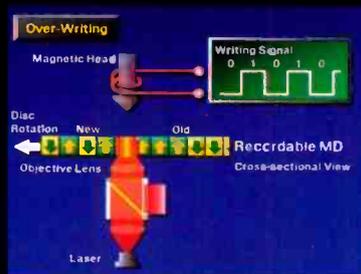
All of this is about to change, thanks to MiniDisc. For in addition to playback-only prerecorded MiniDiscs, there's also another type of MiniDisc you can record yourself. In fact, with MiniDisc you can record and re-record again and again, up to a million times on the same disc! And MiniDisc recordings provide far faster random access than any tape can, as well as new features that tape formats simply can't touch.

Magneto-Optical Recording.

While prerecorded MiniDiscs use the same laser-read "pits" as Compact Discs, recordable MiniDiscs are different. They represent the first consumer product with magneto-optical technology. Unlike the "write-once" recordable CD's that professionals use, magneto-optical discs are erasable. So you can erase and re-record your MiniDiscs just as you can with cassettes.

Magneto-optical recording has long been used for computer storage. However, MiniDisc incorporates a "direct overwrite" capability that's entirely new. First, a high-power laser beam heats the disc's magnetic layer past the Curie point, the temperature above which the magnetic orientation is easy to change. Then, a semiconductor magnetic head

applies the signal from the opposite side of the disc. As the heated spot of the disc rotates away from the laser, it cools and the imprint from the magnetic signal remains embedded on the disc. Because erasing the disc requires at least 400 degrees, the discs are unaffected by stray magnetic fields that might ruin a tape recording.



IN THE MD RECORDER, A LASER HEATS THE DISC'S MAGNETIC LAYER WHILE THE SEMICONDUCTOR MAGNETIC HEAD RECORDS THE SIGNAL BY A MODULATED MAGNETIC FIELD.

As a result of this approach, you get a simpler mechanism. A more accurate spot pattern. Lower error rates. Reduced jitter. And lower power consumption, making battery-powered portable recording a reality.

Take Control of Your Recordings.

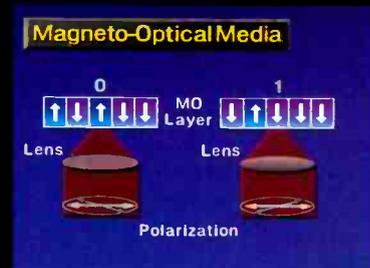
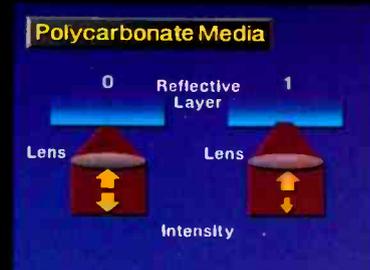
With MiniDisc, you can alter or adjust your recordings as never before. For example, you can easily re-sequence songs after you've recorded them by writing your new sequence into a section of the disc called the User Table of Contents. You can also edit out a track and all subsequent tracks will be automatically renumbered.

Finally, the MiniDisc format lets you re-record individual tracks, even substituting longer songs for shorter ones. When the recorder comes to the end of the original space, the buffer memory gives the machine up to three seconds to find avail-

able disc space and resume recording. So even if your music is recorded on two different sections of the disc, during playback it's never interrupted. To a generation raised on analog recording, these capabilities are nothing short of amazing.

Playback without Pits.

Once recorded, a magneto-optical MiniDisc contains a spiral of magnetic patterns. During playback, these patterns reflect laser light at two different angles of polarization. (This is called the Kerr effect.) Remarkably, this same laser pickup is used for playing back prerecorded MiniDiscs. Both types of playback are performed without contact, so you get an unlimited number of plays without disc deterioration or wear.



PRERECORDED MINIDISCS USE CONVENTIONAL PITS (TOP). RECORDABLE MINIDISCS HAVE MAGNETIC PATTERNS (BOTTOM), WHICH THE PLAYER DETECTS BY THE POLARIZATION OF REFLECTED LASER LIGHT.

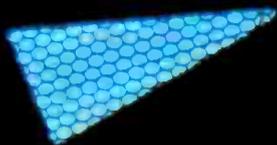
60 min
Digital Audio MiniDisc
MDW-60

SONY

For Recording and Playback
Quick Random Access

Mini
DISC

REC



**Once a Dream.
Now a Reality.**

MiniDisc technology sounds futuristic. But the future is now. And soon you'll be able to experience it for yourself.

Which means soon you'll be able to buy a Sony portable MiniDisc recorder; a portable MiniDisc player and a car MiniDisc player complete with AM, FM and CD changer control. And this is only the beginning because MiniDisc is supported by more than 30 consumer electronics companies.

For making your own disc recordings, you'll also be able to buy recordable MiniDiscs from Sony and others. And you'll be able to choose from hundreds of prerecorded MiniDisc music titles from such labels as Atlantic, Capitol, Columbia, DMP, Elektra, EMI, Epic, Ryko, Sony Classical, Virgin, Warner and others.

Once you experience MiniDisc for yourself, we're confident you'll share our enthusiasm for two digital audio disc formats. Compact Disc, which represents the ultimate in high fidelity performance. And MiniDisc, which represents something equally exciting—the new state of the art in personal music entertainment.



SONY

Sony Corporation of America
National Operations Headquarters
1 Sony Drive Park Ridge, NJ 07656

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(MiniDiscs Shown Actual Size)

STEREO BUYERS' GUIDE

WELCOME to the world's most complete listing of stereo components. In the following 191 pages, you'll find detailed information on features plus performance specs and prices.

The listings are divided into component categories and are ordered alphabetically by manufacturer. Within each manufacturer's section, components appear in descending order of price.

Features and specifications have been supplied by the manufacturers, and they have not been verified by STEREO REVIEW lab tests. We advise you not to base purchasing decisions on specs alone.

Note that all prices listed in this guide are manufacturers' suggested retail, or list, prices. Actual selling prices are likely to vary from dealer to dealer.

For more information about products mentioned in this guide, contact an authorized dealer or the manufacturer. Manufacturers' addresses and telephone numbers are listed in the directory beginning on page 209.

18 CD Components

50 Tape Decks

58 Tuners

61 Turntables

64 Cartridges & Tonearms

69 Receivers

79 Integrated Amplifiers

83 Power Amplifiers

101 Preamplifiers

110 Signal Processors

117 Speakers

192 Headphones

197 Multiroom Components

201 Cables & Connectors

209 Directory of Manufacturers

215 Audio Glossary

ACOUSTIC RESEARCH

Limited CDP CD Player
Features xLR and RCA connectors. 15 lb \$2,200

ADCOM

GCD-575 CD Player
4x oversampling, dual 16-bit D/A converters. Selectable analog frequency/phase-contouring circuitry; 3-beam laser. Fixed and variable outputs. 24-track programming; 4 repeat modes; audible fast scan; 20-track music calendar; timer display; 3-in-CD compatibility; remote control. FR 5-20,000 Hz + 0.1, - 0.5 dB; THD 0.0025%; S/N 105 dB; ch sep 95 dB. 17 x 3 1/2 x 11 1/4 in; 12 lb \$600
With white front panel \$650

AIWA

CSD-SR3 Portable CD System
Features CD player with 20-track programming; quartz-synthesis tuner with 24 AM/FM presets; double cassette deck with synchro CD-to-tape/tape-to-tape dubbing in normal high speed. 3-in-CD compatibility. Clock with timer. 5 W x 2, 11 lb \$310
CSD-SR1. As above, single cassette recorder; CD-to-tape dubbing only. Features auto loudness. 4 W x 2, 7 lb \$260

CSD-XW305 Portable CD System
Features CD player with 16-track programming and 3-in-CD compatibility; digital-synthesis tuner; double cassette deck with synchro CD-to-tape dubbing; 4-in speakers. 2.4 W x 2 rms into 16 ohms. 25 1/4 x 7 x 8 1/2 in; 11 lb \$302

AMC

CD6 CD Player
1-bit D/A converter. Features interpolating digital filter; 4-pole Butterworth filter. 1 fiber-optic output; 1 coaxial digital output. FR 10-20,000 Hz ± 0.1 dB; THD 0.004% at 1,000 Hz; Signal-to-noise ratio 96 dBA; ch sep 90 dB from 10-10,000 Hz; output level 2 V rms at 0 dB \$600

ANODYNE GROUP

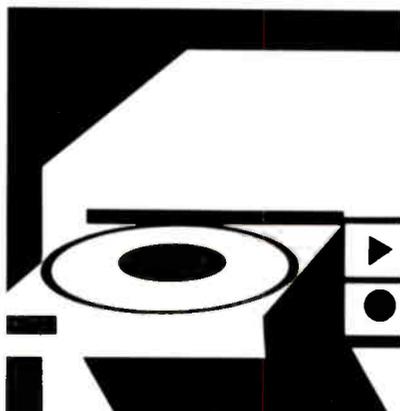
ADAPT D/A Converter
8x oversampling; 18-bit D/A converter. Features discrete bipolar Class A current to voltage circuits; push-pull, vacuum-tube output stages. 1 coaxial-digital input; fixed and variable line-level outputs. Phase-inversion switch; muting for digital and analog circuits; auto selection of 32, 44.1, and 48,000 Hz sampling frequencies; FR 4-20,000 ± 0.3 dB; S/N 112 dB; THD 0.03%; 2.7 V output \$2,495
FET-ADAPT. As above, with high-current JFET output stage. No variable outputs \$1,895

ARCAM

Delta 170.3 CD Transport
Features fully floating die-cast single-beam laser mounted on damped aluminum chassis; 64K adaptive error correction; separately powered digital-output module; master oscillator. 75-ohm coaxial and fiber-optic outputs. Remote control. AT&T fiber-optic output optional \$1,500

Delta 70.3 CD Player
4x oversampling, dual 16-bit D/A converters. Features separate transformers; single-beam laser. Coaxial digital outputs. 20-track programming; 3-speed search; track skip; repeat; remote control. FR 10-20,000 Hz ± 0.1 dB; S/N 105 dB; dynamic range 96 dB. 17 x 3 1/2 x 10 1/8 in; 14 lb \$1,500

Alpha CD Player
4x oversampling, dual 16-bit D/A converters. Digital outputs. 3-speed search; track skip; 20-track programming. Frequency response 20-20,000 Hz ± 0.1 dB; S/N 101 dB; dynamic range 96 dB. Dimensions: 34 x 17 x 11 1/2 in; 8 lb \$849



Black Box 3 D/A Converter
Four 1-bit D/A converters. Separate power transformers for digital and analog sections; digital input polarity; absolute phase selector. Auto sampling-rate selection. 16 1/2 x 2 1/2 x 10 3/4 in; 11 lb \$800

AUDIO ALCHEMY

DDS CD Transport
2-chassis design. Mechanical damping system. Coaxial output; optional AT&T glass fiber-optic output. Remote control \$999

v2.0 DDE D/A Converter
1-bit D/A converter. 4 digital inputs and 3 coaxial/fiber-optic inputs; fixed line outputs. Absolute-phase switch; analog digital filtering \$749

v1.0 DDE D/A Converter
1-bit D/A converter. Analog/digital filtering. Coaxial and fiber-optic inputs; line-level and digital outputs. Selectable absolute phase \$449

XDP D/A Converter
1-bit D/A converter with dual-mono, fully discrete output section \$499

DTI. Digital jitter filter for use any transport/converter combination \$349

AUDIO BY VAN ALSTINE

FET Tube CD Player
4x oversampling, dual 16-bit D/A converters. Features Class A hybrid vacuum tube/MOSFET driver circuits; toroidal transformer; regulated power supply; phase-gain tracking. 20-track programming; repeat; random play; time/track display; 3-speed track search with cueing; 3-In-CD compatibility; index selection and direct track access from remote \$1,195

Omega II CD Player
4x oversampling, dual 16-bit D/A converters. Features hybrid output stages and film-coupling capacitors; filter drivers with 200-V/μs slew rate; phase-gain tracking. 20-track programming; repeat; random play; time/track display; 3-speed track search with cueing; 3-in-CD compatibility; index selection and direct track access from remote control \$395

Delta CD Player
4x oversampling, dual 16-bit D/A converters. Features 30-V/μs IC audio stage and film-coupling capacitors; phase-gain tracking. 20-track programming; repeat; random play; 3-speed track search with cueing; 3-in-CD compatibility; index selection and direct track access via remote \$295

AUDIOLAB

Model 8000D D/A Converter
8x oversampling, 20-bit D/A converter. Features upgradable modular design; linear-phase analog output

filters; 9 power supplies; auto muting. 2 coaxial digital and fiber-optic inputs; 2 analog and 1 digital output. Frequency response 2-20,000 Hz ± 0.5 dB; signal-to-noise ratio 100 dB \$1,295

AUDIO RESEARCH

DAC1-20 D/A Converter
8x oversampling. Features 20-bit architecture; 3 separate power transformers for digital input and filtering stages, digital converter, and analog output stage; discrete circuitry, JFET input and MOSFET output; decoupled electrolytic capacitor; AC line filter at input. FR 0.01-20,000 Hz; S/N 100 dB; ch sep 100 dB at 1,000 Hz; phase linearity 0.5%; S/N 94 dB \$3,495
DAC1-18. As above, 18-bit design \$2,995

BANG & OLUFSEN

Continuous Music Module 10-Disc CD Changer
4x oversampling, dual 16-bit D/A converters. 10-disc magazine. Designed for integration into single or multiroom configurations. Random play; repeat; remote control compatibility with Beomaster 7000 receiver. FR 20-20,000 Hz + 1.5 dB, - 2 dB; THD 0.08%; dynamic range 96 dB; S/N 80 dB; ch sep 75 dB at 1,000 Hz. 11 3/4 x 3 7/8 x 7 7/8 in; 13 lb \$1,250

Beogram CD 7000 CD Player
4x oversampling, dual 16-bit D/A converters. Integrates with Beosystem 7000. Features front-loading drawer; digital Bessel filter; elliptical analog filter; 3-in-CD compatibility. Track/skip search; direct track access; track-time, elapsed-time, remaining-time, and track-index displays. FR 3-20,000 Hz ± 0.3 dB; S/N 110 dBA; ch sep 101 dB. Polished-aluminum or white finish. 16 1/2 x 3 x 12 3/4 in; 18 lb \$1,250

Beogram CD 4500 CD Player
4x oversampling, dual 16-bit D/A converters. Integrates with Beosystem 4500. Features top-loading mechanism; digital Bessel filter; elliptical analog filter; 3-in-CD compatibility. Track/skip search; direct track access; programming via optional Beolink 5000 remote control. FR 3-20,000 Hz ± 0.3 dB; S/N 110 dBA; ch sep 101 dB. Polished-aluminum finish with white trim. 16 1/2 x 3 x 9 5/8 in; 9.9 lb \$900

BMB

LV-220A Karaoke Combi-Player
Features built-in 35 W x 2 amp. Plays CD's and videodiscs. Pitch control; digital echo processor; vocal eliminator for MPX software. 2 mic inputs; line-level output; headphone jack. 20-track programming; remote control. S/N 100 dB. 16 5/8 x 6 1/2 x 16 3/4 in; 385 lb \$2,000
GR-2 graphic decoder for CD graphics \$700

CD-G100 Karaoke CD Graphics Player
Plays CD's and videodiscs. Features digital echo processor with volume control; graphic decoder. Pitch controller input and output; 2 mic and 3 video inputs. 20-track programming; random/repeat play; auto track scan; remote control. S/N 96 dB. 16 3/4 x 5 x 12 in; 18 lb \$850

LV-100 Karaoke Combi-Player
Plays CD's and videodiscs. Features digital echo processor; vocal eliminator vocals for MPX software. 2 mic inputs; headphone jack. 20-track programming; remote control. S/N 100 dB. 16 1/2 x 4 1/2 x 13 3/8 in; 27 lb \$750

CALIFORNIA AUDIO LABS

Genesis CD Player
1-bit MASH D/A converters. Discrete FET analog stages with balanced output. Computer-grade plug-in module with all digital electronics. Fiber-optic output \$1,995

Tercet MkIV CD Player
8x oversampling, 20-bit hand-trimmed D/A converters. Features dc-coupled output stage; 23 separate

regulated power supplies; FET input; 24-bit digital filter; custom clock module; EMI filter; plug-in digital output for coaxial or fiber-optic applications. Remote control. FR 5-22,000 +0, -0.5 dB; dynamic range 106 dB; S/N 103 dB; THD 0.01% at 1,000 Hz; ch sep 91 dB \$1,495

Icon MkII CD Player

8x oversampling, 18-bit hand-trimmed D/A converters. 5 separate regulated power supplies; 24-bit digital filter; FET input; custom clock module; EMI filter. Plug-in digital output for coaxial or fiber-optic applications. Remote control. FR 5-22,000 +0, -0.5 dB; dynamic range 105 dB; S/N 95 dB; THD 0.005% at 1,000 Hz; ch sep 91 dB \$850

Delta Transport

Balanced xLR, Toslink fiber-optic, and coaxial digital outputs; AT&T connectors optional. Features digital servo control for tracking \$800

Sigma D/A Converter

1-bit D/A converter. DC-coupled tube output stage; discrete analog section. Fiber-optic and coaxial digital inputs. FR 20-20,000 Hz +0, 0.5 dB; dynamic range 101 dB; S/N 103 dB; THD 0.015% at 1,000 Hz \$695

CAMBRIDGE AUDIO

CD3 CD Player

16x oversampling, eight 16-bit D/A converters. Features CDM1/MkII fully suspended, die-cast aluminum chassis and transport mechanism; toroidal transformer; discrete power supplies for digital and analog stages; no analog filtering stage. Fiber-optic and digital outputs. 20-track programming; 3-speed search; track and index point selection; remote control. THD 0.0025% at 1,000 Hz; S/N 100 dB; dynamic range 96 dB; ch sep 100 dB \$1,700

CAMELOT TECHNOLOGY

Arthur D/A Converter

1-bit PDM D/A converter. Internal, rechargeable battery-operated power supply that is user-replaceable. Features 16-bit resolution; 2nd-order noise shaping; 3-stage linear phase filter; low-jitter data demodulator; independent voltage regulation. Coaxial input; TosLink fiber-optic input, optional AT&T glass-fiber optic connector; actively buffered coaxial output; demodulated expansion port. User-selectable phase inversion. Includes proprietary digital cable. FR 20-20,000 Hz ± 0.15 dB; S/N 95 dB; ch sep 85 dB; ± 1 dB linearity at -90 dB, ± 2 dB at -100 dB. 2-yr warranty \$1,195

CARRERA

CD-3400R 6-Disc CD Changer

4x oversampling, dual 18-bit D/A converters, 6-disc magazine. Features fixed line-level outputs; headphone jack. Elapsed disc/track time displays; 32-track programming; 3 repeat modes. FR 20-20,000 Hz ± 0.5 dB; THD 0.009%; S/N 96 dB. 13 lb \$250

CD-3300R CD Player

Dual 16-bit D/A converters. Music calendar; direct track access; 3-in-CD compatibility; random play; remote control. FR 20-20,000 Hz; S/N 100 dB; THD 0.0004%. 17 x 3 1/4 x 12; 9.9 lb \$200

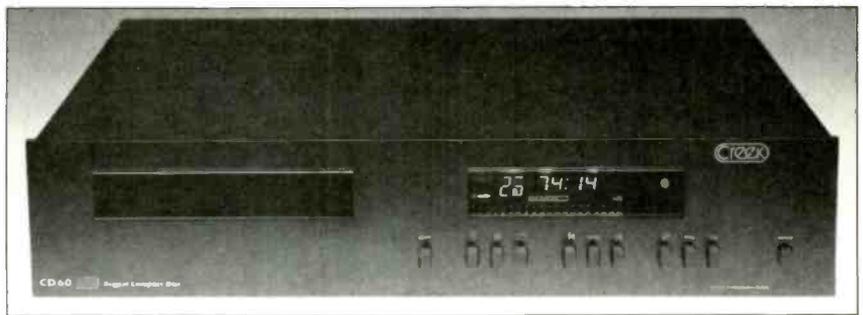
CARVER

TLM-3600 10-Disc CD Changer

8x oversampling, dual 18-bit D/A converters, 10-disc magazine. Features EQ stage. 32-track programming; Intro scan; random play; search, repeat, skip, and scan; remote control. FR 5-20,000 Hz ± 0.2 dB; THD 0.005%; S/N 110 dB. 19 x 4 1/4 x 13 1/4 in. . . \$700

SD/A-370 10-Disc CD Changer

1-bit D/A converter, 10-disc magazine. Features EQ stage. Headphone jack with volume control. Tape edit; 32-track programming; intro scan; all-disc ran-



Creek CD60

dom play; track/disc skip, scan, and repeat; music calendar; FL display; remote control. FR 5-20,000 Hz ± 0.5 dB; S/N 100 dBA; THD 0.005%. 19 x 4 5/8 x 14 3/4 in \$700

SD/A-490t Tube CD Player

1-bit D/A conversion. Features two 6DJ8 tubes in output stage; EQ stage; auto 30-second standby mode for tube preheat; motor-driven volume control. Fiber-optic and coaxial digital outputs; fixed and variable analog outputs; headphone jack. Variable-length fade; tape edit; 24-track programming; random play; 4 repeat modes; music calendar; remote control. FR 10-20,000 Hz ± 0.2 dB; S/N 100 dBA; THD 0.5%. 19 x 3 3/4 x 12 1/4 in; 9 lb \$700

MD/V-500 Combi-Player

8x oversampling, 18-bit D/A converter. Plays CD's and videodiscs. 75-ohm F-connector output; 75-ohm input with remote switching; headphone jack. Picture-sharpness control; multispeed scan; on-screen display. 16-chapter/track programming; chapter, track, disc, and program repeat; chapter, track, and frame search; chapter/track skip; FL display; remote control. FR 20-20,000 Hz ± 0.5 dB; S/N 100 dBA; THD 0.007%. Hor res 425 lines; video S/N 45 dB. 19 x 5 1/4 x 18 in \$680

SD/A-450 CD Player

1-bit D/A conversion. Features EQ stage. Coaxial digital output. Variable-length fade; tape edit; 24-track programming; random play; 4 repeat modes; track skip, and scan; music calendar; remote control. FR 5-20,000 Hz ± 0.2 dB; S/N 100 dBA; THD 0.002%. 19 x 3 3/4 x 12 1/4 in; 9 lb \$500

SD/A-350 5-Disc CD Changer

1-bit D/A conversion, 5-disc carousel. Features EQ stage; 3-in-CD compatibility. Coaxial digital output; headphone jack. Ability to change 2 discs during play; 20-track programming; track, program, or disc repeat; one-disc random play; direct track/disc access; music calendar; remote control. FR 5-20,000 Hz ± 0.5 dB; S/N 100 dBA; THD 0.002%. 19 x 5 1/4 x 15 1/2 in \$400

SD/A-410 CD Player

1-bit D/A conversion. Features coaxial digital output; headphone jack. 16-track programming; 3 repeat modes; random play; track skip and scan; music calendar; remote control. FR 5-20,000 Hz ± 0.5 dB; THD 0.004%; S/N 100 dBA. 19 x 4 x 12 in \$280

Accessories

TLM-10. 10-disc magazine for SD/A-370 CD changer \$35

TLM-3. 3-in-CD tray for TLM-10 magazine . . . \$5.95

CARY

CAD 955 Tube CD Player

4x oversampling, 16-bit D/A converter. Output stage with two 12AU7 tubes; analog and digital output filters. Fixed line-level outputs; coaxial digital output. 20-track programming; repeat track/disc; track-start elapsed-time display; remote control. FR 4-21,000 Hz

± 0.05 dB; S/N 100 dB; THD 0.0025%; ch sep 103 dB at 1000 Hz; dynamic range 107 dB. 17 3/8 x 3 3/8 x 12 1/2 in; 20 lb \$1,095

CASIO

CD-510W Portable CD System

Features CD player with random play; AM/FM tuner; double cassette deck with autoreverse, high-speed dubbing, and synchro play. Bass boost \$250

CD-100A Portable CD System

Features CD player with 20-track programming, LCD search; AM/FM tuner; cassette deck with condenser mic \$200

CITIZEN

CD-8700 Karaoke Portable CD Player

4x oversampling, 16-bit D/A converter. 3-beam laser pickup. 2 mic inputs with mixing; line-level output; 2 headphone jacks. Vocal eliminator for sing-along; CD and voice pitch controls; 10-level digital echo; 2 enhanced stereo modes; 10-level bass boost; 3-in-CD compatibility; random/repeat play; 2-hr battery life. Includes rechargeable battery, AC adaptor, and mic. Car-battery adapter and carrying case optional. FR 20-20,000 Hz +0.5, -1 dB; THD 0.04% at 1,000 Hz; S/N 90 dB; dynamic range 86 dB; ch sep 75 dB. 10 3/8 x 1 5/8 x 7 1/8 in; 2 lb \$400

CD-2200 Portable CD Player

2x oversampling, 16-bit D/A converter. Features 3-beam laser pickup; antishock circuit. Headphone jack with volume control; line-level output. 16-track programming; memory clear/back-up; track skip/repeat; auto shutoff. Includes shoulder strap, stereo headphones, AC adaptor, RCA pin cord, rechargeable battery. FR 20-20,000 Hz; THD 0.07% at 1,000 Hz; S/N 92 dB. 5 1/8 x 1 5/8 x 5 3/8 in; 18 oz \$200

COUNTERPOINT

DA-10 D/A Converter

Interchangeable D/A converters. Discrete analog and current-to-voltage sections. 4 digital inputs; optional AT&T outputs. MSB adjustment. FR 1-100,000 Hz; THD 0.01%. 19 x 2 1/4 x 10 1/2 in \$1,495

CRAIG

JD8610 Portable CD System

Features CD player with skip, scan, and repeat; AM/FM tuner; double cassette deck with damped cassette door, high-speed dubbing \$280

JC6010 Portable CD Player

Features line-level output; headphone jack. Skip, scan, and repeat; random play; bass boost. Includes AC adaptor \$190

CREEK

CD60 CD Player

4x oversampling, 16-bit D/A converter. Dual power supplies. FR 20-20,000 Hz; S/N 110 dB; THD 0.005% \$1,295

DAC 60 D/A Converter

8x oversampling, 20-bit D/A converter. Features toroidal transformer with isolated analog and digital power supplies. Linearity 0.3 dB at -90 dB \$995

DENON

DCD-3500RG CD Player

8x oversampling, four 20-bit Lambda ladder-type D/A converters. Features 4 MSB linearity adjustments per converter, 20-bit digital filter, linear-crystal OFC analog filters; optical isolation between digital and analog stages; separate power transformers, power supplies, and circuitry for digital and analog sections; motor-driven volume control; centered-alloy feet, 4-layer bottom plate, and dual-construction chassis for vibration reduction. Switchable fiber-optic/coaxial digital outputs; balanced analog outputs. Direct track access; 20-track programming; index search; time search; 3-way repeat; auto space; auto edit; 8-digit FL display with 4-step dimmer and music calendar; headphone jack with level control; 3-in-CD compatibility; remote control; Denon IS-system compatibility. FR 2-20,000 Hz ± 0.2 dB; S/N 120 dB; dynamic range 100 dB; THD 0.0015%; ch sep 110 dB. Champagne-gold finish and polished wood case **\$2,000**

LA-3100 Combi-Player

8x oversampling, dual 20-bit Lambda ladder-type D/A converters. Plays CD's and videodiscs. Features 20-bit digital filter. Coaxial digital output. Direct track access; highlight scan; random play; 20-track programming; music calendar program display; 3-in-CD compatibility. 2-side auto play; fast NewTurn double-play mechanism; front-panel and remote jog and shuttle controls; trick play function; soft picture and visual intro modes. Electronic volume control; Denon IS-system remote control compatibility. Hor res 425 lines; video S/N 50 dB; Audio: FR 4-20,000 Hz ± 0.2 dB; S/N 115 dB; dynamic range 99 dB; THD 0.0018% **\$1,200**

DCD-2560 CD Player

16x oversampling, four 20-bit Lambda ladder-type D/A converters. Features 20-bit digital filter with 1/2-sample delay; MSB linearity adjustments; optically isolated digital and analog stages. Fiber-optic and coaxial digital outputs. Digital pitch control with $\pm 9.9\%$ range in 0.1% steps; digital fader; peak-search mode; 20-track programming; random play; remote volume control; direct track access; 3-way repeat; auto space; tape edit; timer play; 4-step display dimmer; music calendar; 3-in-CD compatibility; remote control; Denon IS-system compatibility. FR 2-20,000 Hz ± 0.2 dB; S/N 116 dB; dynamic range 100 dB; THD 0.0018%; ch sep 110 dB at 1,000 Hz **\$750**

DCD-1560 CD Player

8x oversampling, dual 20-bit Lambda ladder-type D/A converters. Features MSB linearity adjustments; optically isolated digital and analog stages. Fiber-optic and coaxial digital outputs. 20-track programming; random play; remote volume control; direct track access; index search; time search; 4-way repeat; auto space; tape edit; timer play; on/off display; music calendar; 3-in-CD compatibility; remote control; Denon IS-system compatibility. FR 2-20,000 Hz ± 0.2 dB; S/N 115 dB; dynamic range 100 dB; THD 0.002%; ch sep 103 dB at 1,000 Hz **\$650**

DCD-1290 CD Player

8x oversampling, dual 20-bit Lambda ladder-type D/A converters. Features 20-bit digital filter. Fiber-optic and coaxial digital outputs; headphone jack with volume control. Digital pitch control with $\pm 12\%$ range in 0.1% steps; digital fader; peak search; index search; 20-track programming; 2 random-play modes; remote volume control; direct track access; 3-way repeat; tape edit; auto space; timer play; 3-step display dimmer; music calendar; 3-in-CD compatibility; remote control; Denon IS-system remote control compatibility. FR 2-20,000 Hz ± 0.2 dB; S/N 110 dB; dynamic range 100 dB; THD 0.0025%; ch sep 105 dB **\$500**



Denon LA-2150K

DCD-690 CD Player

8x oversampling, dual 18-bit Lambda ladder-type D/A converters. Features 20-bit digital filter with noise shaping; shock-isolated pick-up chassis; 12-step digital attenuator. Coaxial digital output; headphone jack with volume control. 20-track programming; direct track access; 3-way repeat; tape edit; auto space; synchro play with compatible tape decks; timer play; music calendar; 3-in-CD compatibility; remote control; Denon IS-system remote control compatibility. FR 2-20,000 Hz ± 0.2 dB; S/N 107 dB; dynamic range 98 dB; THD 0.003%; ch sep 103 dB **\$300**

DCD-590 CD Player

8x oversampling, dual 18-bit Lambda ladder-type D/A converters. Features 20-bit digital filter with noise shaping; 12-step digital attenuator. Headphone jack with volume control. 20-track programming; direct track access; 3-way repeat; tape edit; auto space; synchro play with compatible tape decks; timer play; music calendar; 3-in-CD compatibility; remote control; Denon IS-system remote control compatibility. FR 2-20,000 Hz ± 0.2 dB; S/N 105 dB; dynamic range 97 dB; THD 0.0035%; ch sep 100 dB **\$250**

CD Changers

Models DCM-520, DCM-420, and DCM-320 feature a drawer-type carousel which allows 4 discs to be changed while one is playing.

DCM-550 6-Disc CD Changer

8x oversampling, dual 18-bit Lambda ladder-type D/A converters, 6-disc magazine. Features 20-bit digital filter with noise shaping. Coaxial digital output. Non-volatile favorite-track memory for 100 discs; direct track access; 5-way repeat; 3-mode random play; 20-track programming; electronic volume control; synchro play with compatible tape decks; music calendar; 3-in-CD compatibility; remote control; Denon IS-system remote control compatibility. FR 2-20,000 Hz ± 0.2 dB; S/N 106 dB; dynamic range 97 dB; THD 0.003%; ch sep 102 dB **\$500**

DCM-520 5-Disc CD Changer

8x oversampling, dual Lambda ladder-type D/A converters, 5-disc carousel. Motor-driven volume control. Coaxial digital output. Non-volatile favorite-track memory for 100 discs; 20-track programming per disc; 5-way repeat; 3-mode random play; FL status display; 3-in-CD compatibility; remote control; Denon IS-system compatibility. FR 2-20,000 Hz ± 0.2 dB; S/N 110 dB; dynamic range 98 dB; THD 0.003%; ch sep 102 dB **\$500**

DCM-420 5-Disc CD Changer

8x oversampling, dual 18-bit D/A converters, 5-disc carousel. Motor-driven volume control. Coaxial digital output. Non-volatile disc-output-level memory for 100 discs; 20-track programming per disc; 5-way repeat; 3-mode random playback; FL status display; 3-in-CD compatibility; remote control; Denon IS-system compatibility. FR 2-20,000 Hz ± 0.2 dB; S/N 106 dB; dynamic range 97 dB; THD 0.003%; sep 100 dB **\$400**

DCM-320. As above, no digital output or disc-output-level memory. S/N 102 dB; dynamic range 96 dB; THD 0.006%; ch sep 98 dB **\$300**

Portable CD Players

A rechargeable battery pack is available for \$15.

DCP-150 Portable CD Player

8x oversampling, dual 18-bit D/A converters. Features 20-bit digital filter with noise shaping. Coaxial digital output; headphone and line-level mini-jacks. 32-track programming; 3-position EQ switch; 5 repeat modes; 4 random-play modes; LCD display; 3-in-CD compatibility; wireless remote with volume control. Velvex finish. Includes soft carrying case, AC adaptor, connecting cable, and rechargeable battery. Accepts optional 4-hr battery. FR 20-20,000 Hz ± 0.5 dB; S/N 98 dB **\$400**
AP-10. Battery charger **\$30**

DCP-70 Portable CD Player

8x oversampling, dual 16-bit D/A converters. Features 20-bit digital filter with noise shaping. Coaxial digital output; headphone and line-level mini-jacks. 16-track programming; 3-position EQ switch; LCD display; 3-in-CD compatibility; wireless remote control. Includes AC adaptor/charger and stereo connecting cable. Powered by alkaline batteries. FR 20-20,000 Hz ± 0.5 dB; S/N 97 dB; dynamic range 94 dB; THD 0.01% **\$300**
AP-12. DC car adaptor **\$50**

DCP-50 Portable CD Player

4x oversampling, dual D/A converters. Headphone and line-level outputs. 16-track programmable; intro-scan and repeat modes; LCD display; 3-position EQ; 3-in-CD compatibility; wireless remote control. Includes carrying strap, AC adaptor, and connecting cable. Powered by alkaline batteries. Accepts optional 4-hr battery. FR 20-20,000 Hz ± 0.5 dB; S/N 96 dB; dynamic range 92 dB; THD 0.04% **\$250**
AP-12. DC car adaptor **\$50**

DCP-30 Portable CD Player

8x oversampling, dual 16-bit D/A converters. Headphone and line-level mini-jacks. 16-track programming; intro scan; random play; 3-position EQ switch; LCD display; 3-in-CD compatibility. Includes AC adaptor and connecting cable. Powered by alkaline batteries. FR 20-20,000 Hz ± 0.5 dB; S/N 96 dB; dynamic range 92 dB; THD 0.04% **\$200**
AP-12. DC car adaptor **\$50**

DENONET

LA-2150K Karaoke Combi-Player

8x oversampling, dual 18-bit D/A converters. Plays CD's and videodiscs. Vocal-eliminator for sing-along switching. 20-bit digital filter. 2 AV outputs; 2 mic inputs; aux input. Direct track access; 20-track programming; remote control with pitch control; mic-echo control; vocal reducer quiets recorded vocals from videodiscs, CD's, and tapes via aux input; vocal changer resumes recorded vocals when singer stops. S/N 49 dB video. 17 $\frac{1}{8}$ x 5 $\frac{1}{2}$ x 16 $\frac{1}{2}$ in; 23 lb **\$1,199**

DUAL

CD-5150RC CD Player

4x oversampling, dual 16-bit D/A converters. Motor-driven disc loading. Digital output; headphone jack.

In choosing a CD player, you can play the numbers...

1 beam or 3 beam / Mash. one bit, 16
bits, 18 bits or 20 bits / 2 times
oversampling at 88.2kHz or 4 times
oversampling at 176.4kHz. 1 beam or
3 beam / Mash. one bit, 16 bits...

...or play the music.



Recently more and more CD players have been promoted by a kind of numbers game, as if by some magic combination one CD player can be made to sound better than another. The vast majority of these CD players still fail to address the most important subtleties that reproduce the natural real sound of live music.

Adcom on the other hand continues to impress the audio critics with the superior musicality of its GCD-575 CD player. To reach this objective, "...the GCD-575 was designed and built with extraordinary attention to detail." *

We ask that you let your ears be the judge of which CD player meticulously reproduces the integrity of the original performance. The CD

player that plays the numbers? Or our critically acclaimed Adcom GCD-575 which plays the music.

Please visit your Adcom dealer for a demonstration of this remarkable product. Or write us for our brochure. You will discover why it pays to play the music, not the numbers.

**Stereo Review, 12/89.*

ADCOM®

details you can hear

11 Elkins Road, East Brunswick, NJ 08816 U.S.A. (908) 390-1130
Distributed in Canada by PRO ACOUSTICS INC. Pointe Claire, Quebec H9R 4X5

20-track programming; 3-speed scan; disc/track repeat; random play; remote control. FR 20-20,000 Hz ± 1 dB; S/N 100 dB; dynamic range 95 dB . . . \$555

CD-1070RC CD Player

8x oversampling, dual 8-bit D/A converters. Features motor-driven disc loading; 3-beam laser pickup. 16-track programming; random play; auto space; track/disc/program repeat; remote control. FR 20-20,000 Hz ± 0.7 dB; S/N 103 dB; dynamic range 96 dB \$345

ESOTERIC

X-1 CD Player

8x oversampling, four 20-bit D/A converters. Features 25-bit digital filter; noise-shaping zero circuitry; center tray; 3rd-order analog filter; solid floating sub-chassis; balanced-current transmission for laser pickup; bipolar transformer; balanced signal path between digital and analog circuits. Fiber-optic and coaxial outputs. FL display with brightness control; remote control. FR 0-20,000 Hz ± 0.3 dB RCA, 20-20,000 Hz ± 0.5 dB XLR; THD 0.0013%; S/N 110 dB; ch sep 110 dB. 18 x 5 1/2 x 16 in; 37 lb . . . \$5,000

D2 D/A Converter

8x oversampling, four 18-bit D/A converters. Features 45-bit digital filter; dithering circuitry; 3rd-order Butterworth analog filter; absolute phase-reversal control; noiseless digital-muting circuit; van den Hul matched-crystal silver-coated copper wiring; double-box chassis. MOSFET analog outputs; 2 coaxial and 2 fiber-optic digital inputs; variable unbalanced and balanced XLR and coaxial outputs. Sampling frequency, emphasis, and operating indicators. FR 0-20,000 Hz ± 0.3 dB (44,100-Hz sampling rate); THD 0.0014%; S/N 110 dB; ch sep 110 dB. 19 1/8 x 5 1/4 x 8 7/8 in; 24 lb . . . \$4,000

P2 CD Transport

Coaxial and fiber-optic outputs. Features 3-beam laser pickup; die-cast-zinc turntable; 8-mm-thick aluminum disc tray with Nextel coating and gold-plated front; floating subchassis suspension system; 2-dimensional parallel laser drive; van den Hul matched-crystal silver-coated copper wiring; filtered low-current servo control. Adjustable disc-tray speed; adjustable display brightness; index search; 40-track programming; 4-mode repeat. Includes van den Hul coaxial cable . . . \$4,000

P10 CD Transport

Features die-cast aluminum disc turntable; aluminum disc tray with Nextel coating; vibration-damping floating subchassis suspension system; linear laser-tracking mechanism; high-density antiresonant double-construction chassis with die-cast base. Coaxial and optical outputs. Track and index selection; 20-track programming; 3-mode repeat; remote control. 17 3/4 x 5 1/2 x 8 7/8 in; 21 lb . . . \$2,000

D10 D/A Converter

4x oversampling, dual 18-bit D/A converters. Features 18-bit digital filter; dithering circuitry; 4th-order Bessel analog filter; double-construction chassis. 2 coaxial and 2 optical inputs; coaxial and unbalanced outputs. FR 0-20,000 Hz ± 0.5 dB (44,100 Hz sampling rate); THD 0.0018%; S/N 100 dB; ch sep 97 dB. 18 1/8 x 5 1/2 x 8 7/8 in; 22 lb . . . \$2,000

D500 D/A Converter

8x oversampling, dual 16-bit D/A converters. Features 25-bit digital filter; noise shaping and dithering circuitry; 4th-order Bessel analog filter; double-construction chassis. 2 coaxial and 2 optical inputs; coaxial and unbalanced outputs. FR 0-20,000 Hz ± 0.5 dB (44,100 Hz sampling rate); THD 0.002%; S/N 110 dB; ch sep 97 dB. 8 7/8 x 5 3/8 x 15 3/4 in; 15 lb . . . \$1,000

P500 CD Transport

Features vibration-damping floating subchassis suspension system; double-construction chassis; coaxial and optical digital outputs. 20-track random programming; single, all, and A-B repeat; 29-key remote control. 8 7/8 x 5 3/8 x 15 3/4 in; 15 lb . . . \$1,000

FISHER

AD-738 CD Player

8x oversampling, dual 16-bit D/A converters. Features 18-bit digital filter; 24-track programming; scan/search; 3-beam laser pickup. Remote control; LCD display. FR 20-20,000 Hz ± 0.5 dB; S/N 98 dB; ch sep 80 dB; THD 0.05% at 1,000 Hz. 17 1/4 x 3 3/8 x 10 3/4 in; 7 lb . . . \$150

CD Changers

DAC199B 5-Disc CD Changer

8x oversampling, dual 16-bit D/A converters, 5-disc carousel. 18-bit digital filter. Headphone jack. 32-track programming; selection and title memory; random play; intro scan; scan, skip, repeat. 3-in-CD compatibility; remote control. S/N 90 dB; ch sep 80 dB; THD 0.07% at 1,000 Hz . . . \$400

DAC145 5-Disc CD Changer/Turntable

8x oversampling, dual 16-bit D/A converters, 5-disc top-loading carousel/semiautomatic turntable. 18-bit digital filter; disc loading during play. 32-track programming; random play; intro scan; repeat play; 3-in-CD compatibility; remote control. FR 20-20,000 Hz ± 0.5 dB; THD 0.07% at 1,000; dynamic range 90 dB; S/N 90 dB; ch sep 80 dB. 17 3/8 x 5 1/8 x 13 7/8 in; 12.1 lb . . . \$400

DAC243 5-Disc CD Changer

8x oversampling, dual 1-bit D/A converters, 5-disc front-loading carousel. Features 16-bit digital filter; 3-beam laser pickup. 32-track programming; random play; intro scan; 3-way program edit; FL display; 3-in-CD compatibility; remote control. FR 20-20,000 Hz ± 0.5 dB; dynamic range 96 dB; S/N 100 dB. 17 3/4 x 4 3/4 x 14 1/8 in; 14 lb . . . \$300



Fisher PH-DS220

Portable CD Players and Systems

PCD7 Portable CD Player

8x oversampling, dual 16-bit D/A converters. Features 4-megabyte IC anti-skip memory; 3-position EQ; auto power off. 22-track programming; LCD remote control; 5 repeat modes; intro scan. Includes rechargeable batteries, AC adaptor . . . \$500
PCD4. As above without anti-skip memory. FR 20-20,000 Hz ± 3 dB; THD 0.09%; dynamic range 90 dB; S/N 95 dB. 5 x 1 1/4 x 5 7/8 in; 10 oz . . . \$200

PH-D9000 Portable CD System

8x oversampling, dual 16-bit D/A converters. CD player with 16-track CD programming, 3-in-CD compatibility; double autoreverse cassette deck with Dolby B NR, high-speed dubbing; quartz-PLL tuner with 20 presets; 4-band graphic EQ; detachable 3-way speakers with piezoelectric tweeters and tuned ports. Bass booster; AC/DC operation; mic input; line out jacks; headphone jack; remote control . . . \$400

PH-D8800 Portable CD System

8x oversampling, 16-bit dual D/A converters. CD player with 16-track CD programming, 3-in-CD compatibility;

double cassette with synchronized high-speed dubbing, sequential play; 4-band quartz PLL digital synthesizer tuner with 20 presets; detachable 3-way speaker system with piezoelectric tweeters, tuned ports. Features digital clock and timer for playback and recording; electronic EQ; dynamic bass expander; CD output, mic, and headphone jacks; auto stop; AC/DC operation; remote control. 32 1/8 x 9 3/8 x 10 in; 19 lb . . . \$350

PH-D7700 Portable CD System

8x oversampling, 16-bit dual D/A converters. CD player with 16-track programming, 3-in-CD compatibility; double cassette with synchronized high-speed dubbing, sequential play; AM/FM tuner; detachable 3-way speakers with piezoelectric tweeters, tuned ports. Electronic EQ; dynamic bass expander; CD, mic, and headphone jacks; auto stop; AC/DC operation. 32 1/8 x 9 3/8 x 10 in; 19 lb . . . \$300

PH-D8000 Portable CD System

8x oversampling, 16-bit dual D/A converters. CD player with 16-track CD programming; double cassette deck with high-speed dubbing; AM/FM tuner; 4-band graphic EQ; detachable 2-way speakers. Features bass boost; mic input; line out and headphone jacks . . . \$300

PH-D5500 Portable CD System

8x oversampling, 16-bit dual D/A converters. CD player with 16-track programming, 3-in-CD compatibility; double cassette with synchronized high-speed dubbing, sequential play; AM/FM tuner; detachable 2-way speakers with piezoelectric tweeters, tuned ports. Electronic EQ; dynamic bass expander; CD, mic, and headphone jacks; auto stop; AC/DC operation. 30 3/4 x 9 3/8 x 10 in; 14 lb . . . \$250

PH-DS220 Portable CD System

8x oversampling, 16-bit D/A converters. CD player with 16-track programming, 3-in-CD compatibility; dual cassette with synchronized high-speed dubbing, sequential play; AM/FM stereo tuning; full-range speakers. Features dynamic bass expander; CD, mic, and headphone jacks; auto stop; AC/DC operation. 24 1/2 x 6 7/8 x 8 in; 9 lb . . . \$220

FORTE

F50 D/A Converter

Four 1-bit D/A converters. Features computer-optimized passive filtration; 3 lithium tantalate crystal oscillator circuits; signal output by Class A active buffers. 2 coaxial, and 2 fiber-optic inputs. FR 20-22,000 Hz ± 0.1 dB; THD 0.002%; S/N -112 dB; ch sep 100 dB; D/A linearity at -100 dB ± 0.1 dB. 17 x 2 3/4 x 10 1/2 in . . . \$990

GOLDMUND

All Goldmund products have a 3-year parts-and-labor warranty.

Mimesis 10C D/A Converter/Digital Preamp

Expandable design. Proprietary linear-phase circuitry. 8 fiber-optic/coaxial digital inputs (expandable to 16), including 2 tape-monitor loops; 10 digital and 2 RCA-analog outputs. Lock/rec key with LED. 8-input-selection keys. FR 20-20,000 Hz ± 0.1 dB; linearity 1 dB at -100 dB. 19 x 1 3/4 x 15 1/2 in; 16 lb . . . \$8,000
Mimesis 10P. Same as 10C with remote control, and 8 additional digital outputs. . . \$10,000
Mimesis 10K Conversion Kit. Converts any Mimesis 10C to a Mimesis 10P. (Unit must be returned to International Audio Technologies for conversion) . . . \$2,000

Mimesis 12 D/A Converter

Upgradeable via 2 plug-in modules. Features proprietary linear-phase circuitry; 2 transformers; 4 separately regulated power supplies. Coaxial and XLR digital inputs; XLR digital output, 2 RCA and 2 XLR outputs. Frequency-locking LED; phase inverter; analog output-level switches. FR 20-20,000 Hz ± 0.1 dB; linearity 2 dB at -100 dB . . . \$3,200

Experience FULL SPECTRUM SOUND!!!

Spira-Shield™ Outer Conductors
(Match Electrical Characteristics
of Inner Conductors)



ARTUS

FEATURES:
Tubular Geometry™
Inner Conductors (Individually
Insulated), Tri-Barrer Geometry™
Dielectric Construction and Spira-
Shield™ Outer Conductors. All Conductors
are Silver Plated, Vacuum Drawn, Oxygen Free,
High Conductivity Copper.

ALL ESOTERIC AUDIO INTERCONNECTCABLES FEATURE

GRAPHIS

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Inner Conductors, Nitrogen
Cell Foam™ Dielectric Construction,
and Reticulated-Shield™ Outer
Conductors. All Conductors are Vacuum
Drawn, Oxygen Free, High Conductivity
Copper.

the Highs: Quality Plugs Available. They
are Machined From Solid Rod Stock
and Electroplated with 24 Karat
Gold. All Connections are
Precision Soldered With
Our Proprietary, 5%
Silver, Super High
Conductivity
Solder.

PRIMUS

FEATURES:
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Insulated), Tri-Barrer Geometry™
Dielectric Construction, and Spira-
Shield™ Outer Conductors. All Conductors
are Vacuum Drawn, Oxygen Free, High
Conductivity Copper.

Since 1977, Esoteric Audio has pioneered truly innovative cable designs. Our comprehensive research has culminated in our Tubular Geometry™ design. This unique construction eliminates strand interaction, minimizes skin effect, and dampens distributed resonances within the cable.

What does this mean in terms of musical sound quality? Simply put, the music will come through pure, clean, and totally palpable. Instruments and voices come to life with a precise and coherent 3-dimensional soundstage. In short, you will finally hear the music without cable induced distortions getting in the way.

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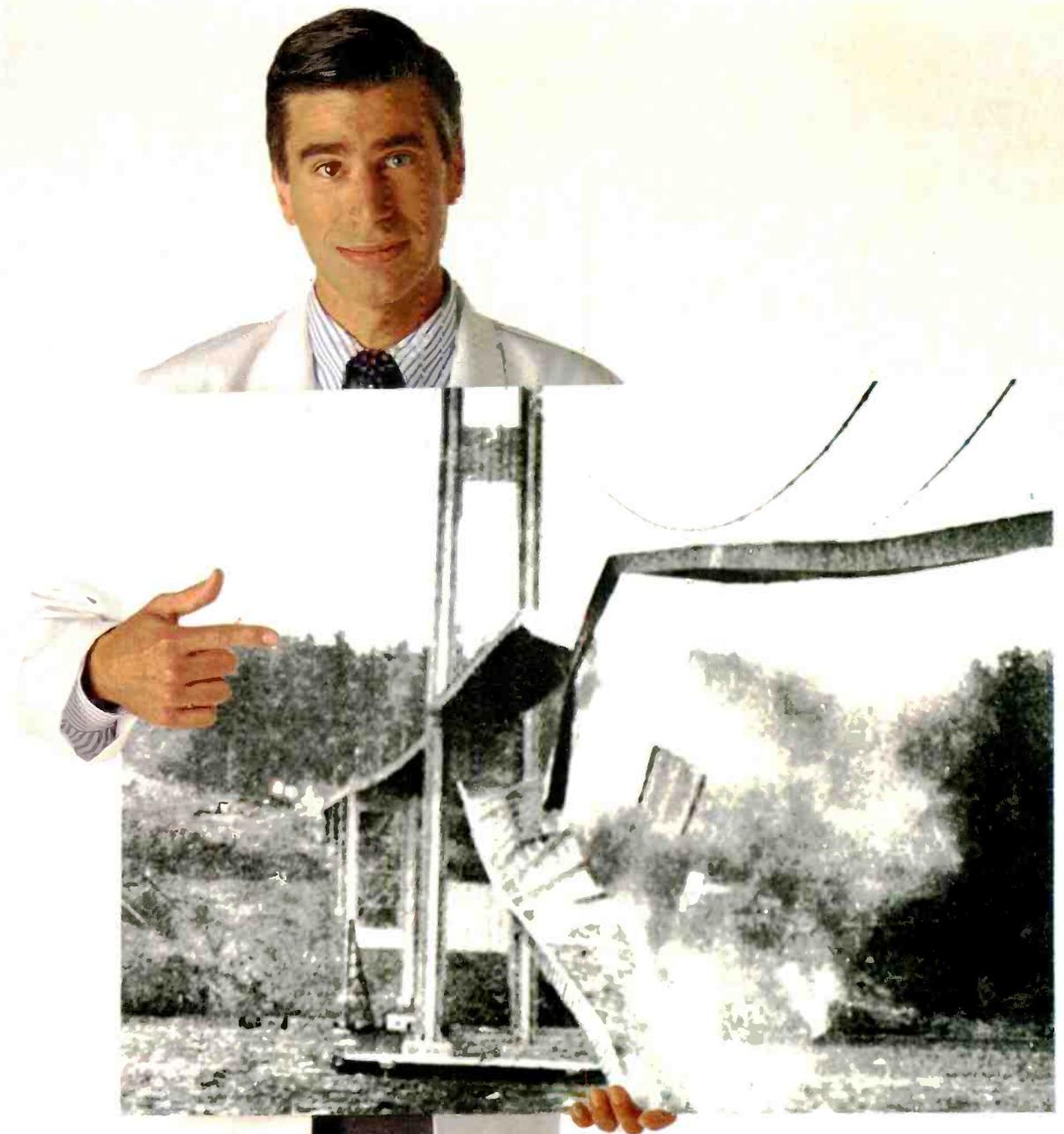
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Matthew S. Fole

DYNAMIC BALANCE. WITHOUT IT BRIDGES FALL DOWN AND SPEAKERS FALL SHORT.

In 1940 the Tacoma Narrows Bridge shook itself to death.

As a 42 mile-an-hour wind blew across the bridge, the steel, macadam and concrete began to resonate uncontrollably, and turned this 2,800 foot centerspan into instant jello.

This notion, that materials produce an amplified resonance when in motion, has been explored in everything from skyscrapers to the spaceshuttle.

Two years ago, we at Polk decided to look at it in speakers. Working in partnership with the Johns Hopkins University, we made discoveries that led us to undertake the most ambitious engineering and speaker design development program in our history.

For the first time we could actually see how energy moved through every part of a speaker. And using sophisticated instruments, and good old trial and error, we found out how to perfectly "marry" materials in motion to lessen their individual resonances, thereby eliminating distortion and heightening musical purity. The new S and LS Series represents this triumph of Dynamic Balance.™

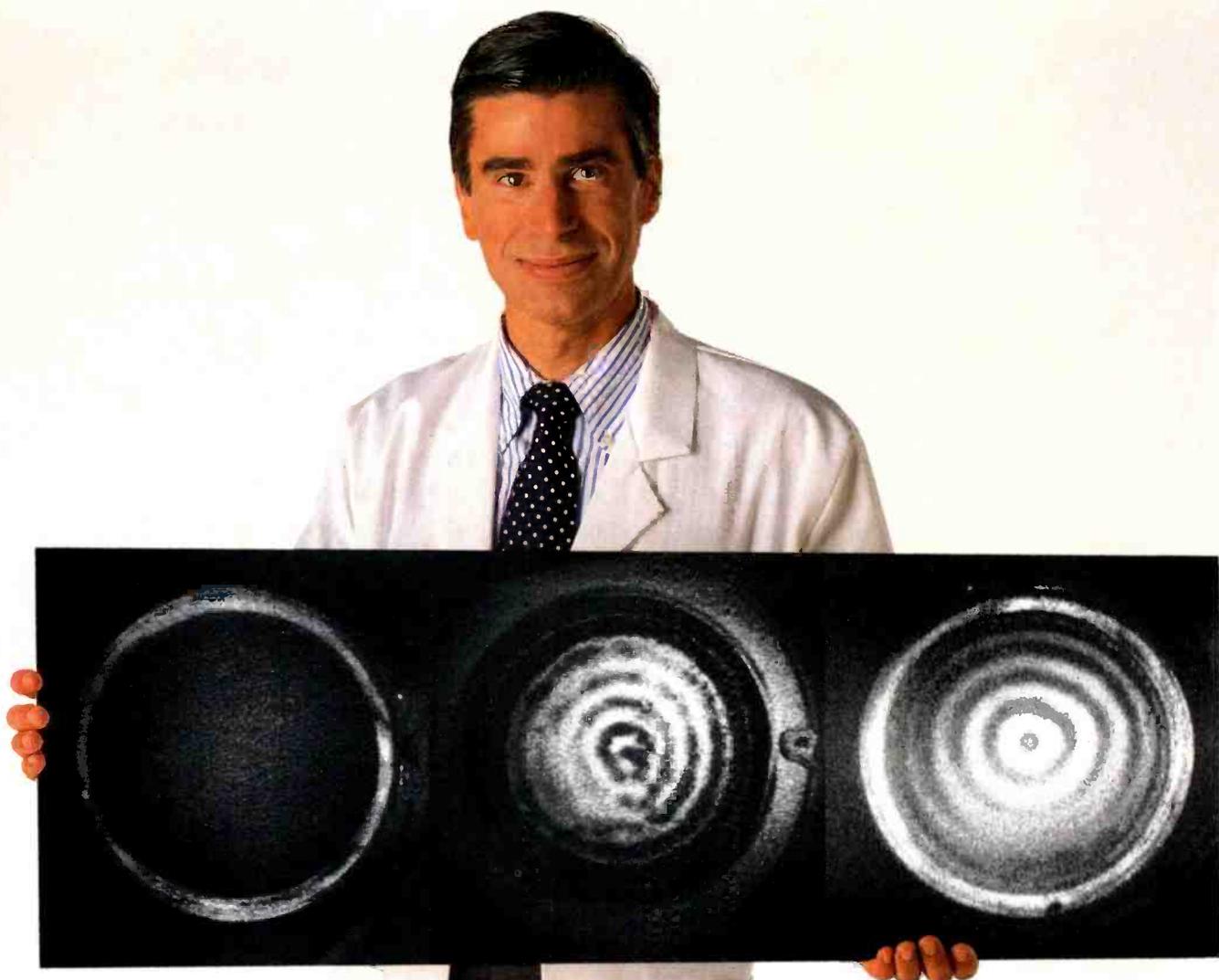
We can safely boast they're built like no speakers on the market today. And the proof is in the listening. You'll see and hear how far our new lines of Dynamically Balanced speakers have outdistanced the competition.

It's a distance they won't be able to bridge.

THE NEW LS & S SERIES FROM THE SPEAKER SPECIALISTS OF

polkaudio





Matthew S Polk

Hologram "snaps" of tweeter showing no modal resonance, moderate amounts, and excessive amounts, each reflecting the use of different materials. The far left is Polk's Trilaminate tweeter.

DYNAMIC BALANCE™ **SEE IT IN PICTURES BEFORE** **YOU HEAR IT IN PERSON.**

Before we could design and build speakers as sophisticated as the new LS Series, we had to design and build a whole new way to "look" at speakers.

At Johns Hopkins' Center for Non-Destructive Evaluation, a joint Polk/Hopkins team created a new Full-Field, Quasi-heterodyne, Laser Interferometry test. Much more useful than pronounceable, it allowed us for the first time to take a full-field hologram "snap shot" of microscopic forms of distortion generated by speaker materials themselves.

In the LS Series, the manifestation of Dynamic Balance™ is brilliantly executed with the addition of aramid fibers to the cone, insuring that music, not unwanted resonance, literally jumps off the cone.

Through a new patented process known as vapor deposition, we formed a trilaminate tweeter dome of aluminum, stainless steel, and polyamide. This turned out to be quite the musical combo, providing all the listening ease of soft domes with the superb liveliness of metal domes.

Styling in the LS Series is not only breathtaking, it is highly functional. The slim, tapered cabinet design belies its technological contribution. The angled sides break up standing waves inside the cabinet, so detrimental to midrange performance. At the same time, this design feature also enhances the stereo presentation dramatically.

All LS Series speakers are available in a striking, gloss rosewood laminate. The LS50 and L70 are also offered in oak laminate with the LS90 available in natural Oak.

And each one of them is Dynamically Balanced.

Our pictures prove it. And so will your ears at your Polk Dealer.

THE NEW LS SERIES FROM THE SPEAKER SPECIALISTS OF **polkaudio**



5601 Metro Drive, Baltimore, MD 21215 USA. (410) 358-3600, In Canada call (416) 847-8888.

For Dealer Location

46922

Call 1-800-992-2520



matthew S Polk

DYNAMIC BALANCE™ **IT TOOK A JUGGLING ACT TO ACHIEVE IT.** **NOW WE'LL NEVER DROP IT.**

The trick to Dynamic Balance™ is to juggle a number of considerations and materials at the same time. If you do it right, you wind up with the astonishing sound of the new S Series.

Could we discover the perfect combination of materials to defeat unwanted resonance? In the S Series you'll find a cone made out of composite materials, whose blending insures clarity and musical purity.

Could we find a means of joining cone to basket that would assist in this damping function, too? In the S Series you'll also see a highly sophisticated rubber surround that extends all the way to the edge of the basket to do exactly that.

Could we project the new tweeters' output to maximize dispersion, yet minimize diffraction? Every S speaker features a unique baffle frame and tweeter faceplate to preserve musical depth and width as it takes the guess-work out of room placement.

The old axiom that the whole is greater than the sum of its parts was never more true than when we matched these new drivers and tweeters to create four remarkable sound systems. You'll hear a new level of clarity, transparency, and sound staging no equivalently priced speaker, and few expensive ones, can match.

The "package" we designed to house all this engineering prowess is especially befitting. The new S4, S6, S8 and S10 cabinets are available in an elegant black ash or a traditional oak grain finish.

But no matter which of the S Series you choose, you'll know these Dynamically Balanced speakers feature enduring sound advances.

And that's a thought you shouldn't drop.

THE NEW S SERIES FROM THE SPEAKER SPECIALISTS OF
polkaudio





SMALL SPEAKERS WITH HUGE REPUTATIONS.

There's an old adage that states: Great things often come in small packages.

Although that was coined without our RM3000 in mind, it might well have been, if you judge by the honors heaped upon this diminutive speaker system.

For the second consecutive year, the RM3000 was voted "best 3-piece speaker system" by audio critics. And the odds favor it to repeat once again.

Obviously the sonic performance of these small wonders is strictly big time. Julian Hirsch, writing in Stereo Review, extolled their virtues: "...they sound excellent...one of the best examples of a three-piece speaker system that we have yet heard...spectral balance was excellent...smooth and seamless".

Perfect as a main speaker or part of a home theater system, the RM 3000 is so impressive, you may very well shun outside concerts and cinemas permanently.

The RM3000 features two compact midrange-tweeter satellites and one low frequency subwoofer system. The elegant finishes include piano black, gloss white, or black granite matrix.

The CS100, our center channel speaker, is the high quality answer to complete your home theater. Since the signals sent to your center channel are at least as important as the signals fed to the right, left and rear, Polk has packed plenty of performance muscle into the CS100 to anchor voices vividly to the picture.

Designed to sit atop or under the TV, or even beside the TV when turned on its end, it's a favorite among TV critics.

So if you want the big sound of Polk, you can also think small. Your ears will easily confirm the size of our reputation.

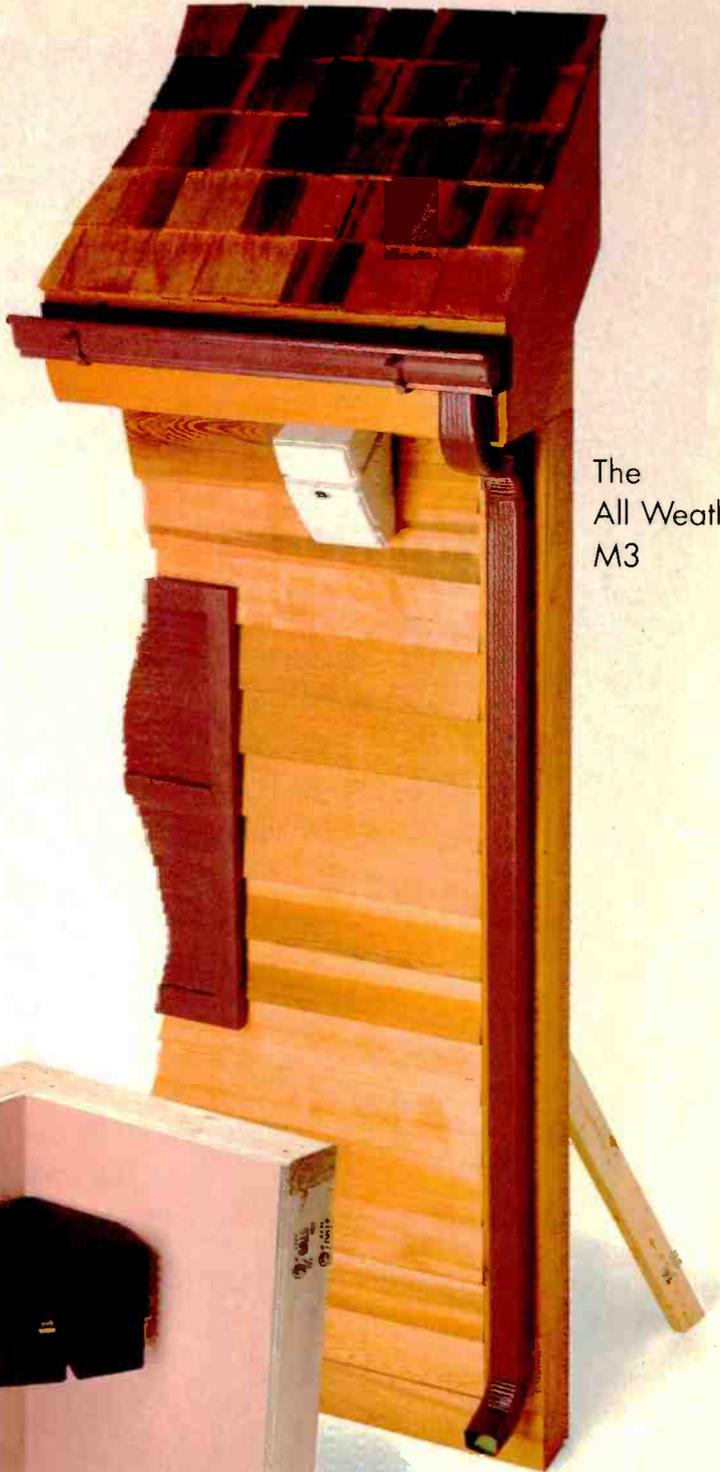
THE NEW LS SERIES FROM THE SPEAKER SPECIALISTS

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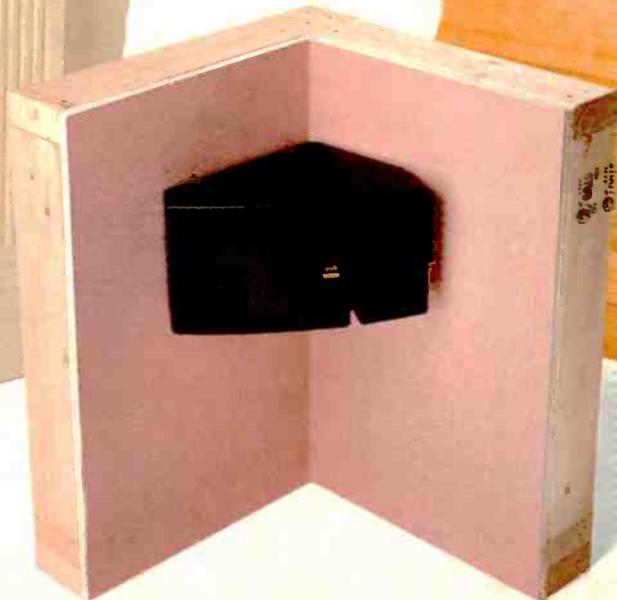
The
AB
Series



The
All Weather
M3



The
Indcor
M3



THE INS AND OUTS OF GREAT SOUND.

Suddenly the room is alive with the sound of music. But where are the speakers?

No, it's not your imagination. It's the ingenious way the Polk Architectural Built-In Series fits into your lifestyle and your room. The ABs are built right into the wall, with the simplest mounting system a do-it-yourselfer ever tackled.

But don't be fooled by their conspicuous absence. These are serious speakers or they wouldn't bear the name Polk. And like all Polks, their acoustic reputations defy their modest price.

The AB Series features 8 models to fit almost any application or budget. They include speakers touting midbass drivers with diaphragms of trilaminate polymer and soft dome tweeters. Their sound is so impressive, they'll have the competition climbing walls.

Now, the M3 is the kind of speaker that likes to hang out, so to speak. Whether it be on a wall or in a nice cozy corner. Or sometimes, it stands unobtrusively on the floor or beside a good book on the shelf.

But no matter where you put it, its purpose is to serve up great sound. Its equally at home as a primary speaker, as a video surround speaker in a home theater center, or as a remote speaker. The M3s include a mounting bracket system that provides more position flexibility than a yogi, and they come in ebony or white.

As sturdy as it is sonically pleasing, the all-weather version of the M3 is immune to the elements and lets you take your love of music outside.

Now that you know the ins and outs of Polk speakers, you know that nothing can come between you and great sound.

Not even a wall.

THE AB AND THE M3 SERIES FROM THE SPEAKER SPECIALISTS OF
polkaudio

C D C O M P O N E N T S

GOLDSTAR

CD-651A Portable CD System

CD player with track programming and random play; AM/FM tuner with digital clock and sleep timer; double cassette deck with autoreverse on playback deck, high-speed dubbing, and CD-to-tape synchro rec; 3-band EQ; mic jack and mic mixing-level control; 2-way speakers; remote control. 12 lb \$280

CD-625A Portable CD System

2x oversampling, dual D/A converters. CD player with 3-way repeat and random play; AM/FM tuner; double cassette deck with autoreverse on playback deck, high-speed dubbing and CD-to-tape synchro rec; 3-band EQ; bass boost; built-in mic; remote control; built-in speakers. 12 lb \$250

FH-R20R 5-Disc CD Changer

8x oversampling, dual D/A converters, 5-disc carousel. Allows discs to be changed while playing. Features 32-track programming; random play; 4-way repeat; remote control. 14 lb \$230

FH-R10R 5-Disc CD Changer

8x oversampling, dual D/A converters, 5-disc carousel. Coaxial digital outputs. Features 32-track programming; remote control. 14 lb \$200

GPX

Model C-3800 Portable CD Player

2x oversampling, LCD display. Headphone jack, 20-track programming; random/repeat play; rotary volume. Includes carrying case and AC adaptor ... \$170

HARMAN KARDON

Except for the HD7400, the following feature a 3-beam laser pickup, 4 separate power supplies, and a discrete output stage.

TL8600 5-Disc CD Changer

1-bit D/A converter, 5-disc carousel. Gold-plated fixed and variable outputs; headphone jack with volume control. Disc/track programming; random play; intro scan; auto-spacing for CD-to-tape dubbing; audible 2-speed cue/review; top-panel direct track access buttons; remote output-level control; remote control. FR 4-20,000 Hz ± 0.2 dB; THD 0.003%; SN 104 dB; dynamic range 98 dB; ch sep 96 dB; linearity ± 0.2 dB at -90 dB. $17\frac{3}{8} \times 4 \times 16\frac{1}{8}$ in; 14.9 lb \$699

TL8500. As above, without top-panel buttons, headphone jack, and variable-level output \$549

HD7600II CD Player

1-bit D/A converter. Damped tray. Fiber-optic and coaxial digital outputs; fixed and variable outputs; headphone jack. 30-track programming; index search; intro scan; A/B repeat; audible 2-speed cue/review; direct track access; remote control. FR 4-20,000 Hz ± 0.5 dB; THD 0.003%; SN 106 dB; dynamic range 98 dB; ch sep 93 dB; linearity ± 0.2 dB at -90 dB. $17\frac{3}{8} \times 4 \times 13$ in; 15 lb \$679

HD7500II. As above, without fiber-optic or coaxial digital outputs. 12 lb \$499

HD7450. As HD7500II, without damped tray. FR 4-20,000 Hz ± 0.5 dB; THD 0.005%; SN 103 dB; dynamic range 97 dB; linearity ± 0.1 dB at -90 dB \$399

HD7400 CD Player

4x oversampling, 18-bit D/A converter. 36-track programming; audible 2-speed cue/review; repeat; remote control. FR 4-20,000 Hz ± 0.5 dB; THD 0.009%; SN 100 dB; dynamic range 96 dB; ch sep 88 dB; linearity ± 0.1 dB at -80 dB. $17\frac{3}{8} \times 4 \times 13$ in; 11 lb \$299

HTG

CDT-1 CD Transport

Features error correction circuitry; structural damping; multi-stage power-supply regulation; 1-piece stamped-metal plate; servo tracking controller. Fiber-

optic and coaxial digital outputs. Programmable remote control \$750

JRM

DA-20 D/A Converter

8x oversampling, four 20-bit D/A converters. Proprietary analog filter/output stages. EFM input optional. Digital mute. FR 0-20,000 Hz ± 0.1 dB; THD 0.0001% \$750

JVC

The following feature JVC Compu Link system compatibility, a 3-beam floating laser pickup, die-cast aluminum base, and 32-track programming.

XL-G512NBK CD + G Player

4x oversampling, dual 18-bit D/A converters with noise shaping. Plays CD + G (graphics) discs. Features disc-stabilizing clamp; NTSC signal format. S-video, composite-video, and MIDI outputs. 15-channel graphic-data selector; intro scan; 3 repeat modes; 20-track music calendar; multi-disc tape editing; remote control. FR 2-20,000 Hz; SN 100 dB; THD 0.004% at 1,000 Hz; dynamic range 96 dB at 1,000 Hz; ch sep 90 dB at 1,000 Hz; graphics resolution 288 x 192 pixels. $17\frac{1}{4} \times 4 \times 11\frac{1}{2}$ in; 9 lb \$500

XL-Z451TN CD Player

8x oversampling, dual 1-bit D/A converters. Balanced buffer. Fiber-optic digital output; headphone jack with volume control. Tape edit; 3-in-CD compatible; 4 repeat modes; index search; non-track-repeating and delete random play; delete program play; 20-track programming; auto CD-to-tape rec with peak search; remote control. FR 2-20,000 Hz; THD 0.0015%; SN 112 dB; ch sep 106 dB at 1,000 Hz; dynamic range 100 dB at 1,000 Hz \$240

XL-V251TN CD Player

8x oversampling, dual 1-bit D/A converters. Disc-stabilizer clamp. Headphone jack with volume control. Auto/program editing; 3-in-CD compatibility; one-track, all-tracks, programmed-tracks and random-play repeat modes; auto/manual search; auto CD-to-tape rec with peak search; 15-track music calendar; 10-track direct-access programming; remote control. FR 2-20,000 Hz; THD 0.0025%; SN 106 dB; ch sep 94 dB at 1,000 Hz; dynamic range 98 dB at 1,000 Hz. $17\frac{1}{4} \times 4\frac{1}{8} \times 10\frac{7}{8}$ in; 8 lb \$210

XL-V151TN. As above, without remote \$190

CD Changers

XL-M507TN 7-Disc CD Changer

8x oversampling, dual 1-bit D/A converters, 6-disc magazine, single-disc tray. Headphone jack with volume control. 8-character magazine/disc-title memory for up to 20 magazines/120 discs; tape edit; disc/track intro scan; auto/manual search; 7-disc random play; 15-track music calendar; non-track-repeating, 7-disc random play; delete play; resume play; direct track/disc access; auto power-on/off eject; 4 repeat modes; remote control with LCD \$380

XL-M407TN. As above, without magazine/disc-title memory. Remote control without LCD \$330

XL-M307TN. As XL-M407TN, without remote control, delete play, or direct disc access. No volume control for headphone jack \$300

XL-M207TN CD 5-Disc Changer

8x oversampling, dual 1-bit D/A converters, 5-disc front-loading carousel. Headphone jack with volume control. Direct disc access; non-track-repeating random play and repeat modes; 3-in-CD compatibility; remote control. FR 2-20,000 Hz; THD 0.0025%; SN 106 dB; ch sep 94 dB at 1,000 Hz; dynamic range 98 dB at 1,000 Hz. $17\frac{1}{4} \times 5 \times 15\frac{1}{8}$ in \$300

KENWOOD

DP-2040 CD Player

Dual 1-bit D/A converters. Headphone jack. Synchro play with compatible cassette decks; 20-track pro-

gramming; direct track access; random play; repeat; 20-track music calendar; timer. FR 4-20,000 Hz ± 1 dB; SN 94 dB; THD 0.005% and ch sep 90 dB at 1,000 Hz. $17\frac{3}{8} \times 5\frac{1}{8} \times 14\frac{1}{2}$ in; 12 lb \$220

Combi-Players

The following feature a night-theater audio mode that amplifies quiet dialogue.

LVD-700 Combi-Player

Dual 1-bit D/A converters. Plays CD's and videodiscs. Features 3-line comb filter, digital time-base correction; PLL FM-detection circuit. Fiber-optic digital output; S-video output; headphone jack with volume control. Random play; 20-track programming; intro scan; synchro play with compatible cassette decks; direct track access; remote control with jog/shuttle. FR 4-20,000 Hz ± 0.5 dB; SN 105 dB; dynamic range 92 dB; THD 0.01% and ch sep 90 dB at 1,000 Hz. Video SN 50 dB; hor res 425 lines. $17\frac{3}{8} \times 5\frac{1}{2} \times 15\frac{1}{8}$ in; 23 lb \$980

LVD-820R Combi-Player

Dual 1-bit D/A converters. Plays CD's and videodiscs. Features dual-side play; digital time-base correction; 3rd-order noise shaping; digital 3-line comb filter. 2 audio and 2 video outputs; fiber-optic digital output; S-video output; headphone jack with volume control. Synchro play with compatible cassette decks; random play; intro scan; shuttle control; 3-mode on-screen display. SN 98 dB; dynamic range 99 dB; THD 0.006%. Video SN 49 dB; hor res 425 lines. $17\frac{3}{8} \times 5\frac{1}{8} \times 15$ in \$900

LVD-300 Combi-Player

4x oversampling, dual 18-bit D/A converters. Plays CD's and videodiscs. Digital time-base correction. Fiber-optic digital output, S-video output. 20-track programming; synchro play with compatible cassette decks; random play; intro scan; direct track access; remote control. FR 4-20,000 Hz; SN 105 dB; dynamic range 98 dB; THD 0.07% and ch sep 90 dB at 1,000 Hz. Video SN 49 dB; hor res 425 lines. $17\frac{3}{8} \times 5\frac{1}{2} \times 14\frac{3}{4}$ in; 22 lb \$600

CD Changers

The following feature normal/high-speed synchro play with compatible cassette decks, tape edit from 2 CD's to 2 cassettes, 20-track programming, a 20-track music calendar, and timer playback. Common specs include FR 4-20,000 Hz ± 1 dB; SN 94 dB; THD 0.005% and ch sep 90 dB at 1,000 Hz.

DP-M7740 7-Disc CD Changer

Dual 1-bit D/A converters, 6-disc magazine, single-disc tray. Features 3-in-CD compatibility. Headphone jack with volume control. Program memory for 42 magazines with 8-character alphanumeric labeling for each magazine and each disc within magazine; program memory for single-disc tray; peak search with memory; direct track access; random play; 4-mode time display; system remote-control compatibility; remote control with LCD. $17\frac{3}{8} \times 5\frac{1}{8} \times 14\frac{1}{2}$ in; 12 lb \$380

DP-M6640. As above, program memory for 8 magazines; remote control without LCD. No peak search \$330

DP-M5540. As DP-M6640, no magazine-program memory or headphone jack \$300

DP-R4440 5-Disc CD Changer

Dual 1-bit D/A converters, 5-disc carousel. Features bidirectional tray rotation for fast access; 3-in-CD compatibility. Headphone jack with volume control. Random play; repeat; system remote-control compatibility; remote control. $17\frac{3}{8} \times 5\frac{1}{8} \times 15\frac{1}{8}$ in; 12 lb \$280

DP-R892. As above, without headphone jack or remote control \$250

Portable CD Players

DPC-92 Portable CD Player

1-bit D/A converter. Features bass boost. Digital output. 24-track programming; last-track memory; LCD;



Kenwood DP-R892

wireless remote control. Includes AC adaptor, 4 rechargeable batteries, cable, and car cassette adaptor \$380

DPC-721 Portable CD Player

1-bit D/A converter. Features 2-hr playback on 2-hr charge. Digital output. EQ presets; 24-track programming; last-track memory; timer play; one/all-track repeat; random play; backlit LCD; wired and wireless remote control. Includes AC adaptor, 2 rechargeable batteries, cable, car cassette adaptor, and carrying case \$250

DPC-521 Portable CD Player

1-bit D/A converter. Features 2-hr playback on 2-hr charge. EQ presets; 24-track programming; last-track memory; timer play; one/all-track repeat; random play; backlit LCD; wireless remote control. Includes AC adaptor, rechargeable batteries, cable, and car cassette adaptor \$230

DPC-321 Portable CD Player

1-bit D/A converter. Features 2-hr playback on 2-hr charge. EQ presets; 24-track programming; last-track memory; timer playback; one/all-track repeat; random play; LCD; headphones with remote control. Includes AC adaptor, 2 rechargeable batteries, and cable \$200

KINERGETICS

KCD-55U D/A Converter

8x oversampling, four 20-bit D/A converters. Features proprietary conversion circuitry. AT&T, coaxial, and Toslink inputs; fixed and variable outputs \$3,995

KCD-40 Platinum Series CD Player

8x oversampling, dual 18-bit D/A converters. Features single-beam laser; fully balanced circuit topology; 7-V output. Volume and balance controls; remote control. 17 x 4 1/2 x 13 in.; 21 lb \$2,295

KCD-20B. As above, 4x oversampling, 16-bit D/A converters. Features distortion-canceling circuitry; 4-V output \$1,495

KCD-55P D/A Converter

8x oversampling, four 18-bit D/A converters. Features discrete, balanced Class A circuitry. Fixed and variable outputs \$1,895

KCD-55T CD Transport

Front-loading design featuring Philips CD-4 mechanism; precision toggle switches; custom aluminum extrusions and machined parts; suspension and damping designed for optimal mechanical isolation. 17 x 4 1/2 x 13 in.; 21 lb \$1,295

KRELL

Excel D/A Converter

64x oversampling. Features software-based processor; data-recovery/jitter-rejection module \$12,000

MD-10 CD Transport

Top-loading design. Features controlled descent. Remote control \$6,900

MD-20 CD Transport

Top-loading design \$4,000

Studio D/A Converter

Features software-based processor; proprietary data-recovery/jitter-rejection module \$3,900

CD-DSP CD Player

16x oversampling. Features top-loading design; discrete buffered, Class A, high-bias balanced output stage; CDM-1MKII glass lens from Philips. Custom lucite cover and AT&T fiber optics optional \$3,650

CD-1 CD Player

1-bit D/A converter. Features discrete buffered, Class A, high-bias balanced output stage. Drawer-loading transport \$2,850

Stealth D/A Converter

1-bit D/A converter. Discrete buffered, Class A, high-bias, balanced output stage. 5 selectable digital inputs with 1 digital tape-monitor loop. AT&T fiber optics optional \$1,850

LASONIC

CDP-999 Portable CD System

CD player with 20-track programming, random play, and repeat; AM/FM shortwave tuner; double cassette deck with autoreverse play in one deck and auto stop rec/play in other, normal/high-speed dubbing, and auto rec-level; 3-band EQ; two detachable speakers. Bass boost; mic and headphone jacks. Available in gray or black. 26 1/8 x 10 1/2 x 11 in.; 19 lb \$340

CDP-979 Portable CD System

CD player with 20-track programming, random play, and repeat; AM/FM shortwave tuner; double cassette deck with autoreverse play-only in one deck and auto stop rec/play in other, program search, normal/high-speed dubbing, and auto rec-level; 4-band EQ; two speakers. Bass boost; mic mixing; mic and headphone jacks; LED level meters. 26 x 12 3/4 x 9 1/2 in.; 17 lb \$300

CDP-997 Portable CD System

CD player with 20-track programming, random play, and repeat; AM/FM tuner; double cassette deck with autoreverse play-only in one deck and auto stop rec/play in other, high-speed dubbing, auto rec-level, and program search; 3-band EQ; two speakers. 28 x 10 1/2 x 11 in.; 20 lb \$300

CDP-987 Portable CD System

CD player with 20-track programming, random play, and repeat; AM/FM tuner; double cassette deck with high-speed dubbing and program search; 2-band EQ; two speakers. 23 1/2 x 11 1/4 x 8 1/4 in.; 16 lb \$235

LLOYD'S

MC-104 Portable CD System

Top-loading CD player with 16-track programming and 3-beam laser pickup; AM/FM tuner with 10 AM/FM presets; double cassette deck with high-speed dubbing and continuous play; 2-way speakers; bass boost; 3-band EQ; wireless remote control. Center

section: 11 x 9 1/2 x 7 3/8 in, speakers: 7 3/4 x 9 1/2 x 7 3/4 in \$350

MC-103 Portable CD System

Top-loading CD player with 16-track programming and 3-beam laser pickup; AM/FM tuner; double cassette deck with high-speed dubbing and continuous playback; bass reflex speakers; bass boost; 3-band graphic EQ. Center section: 11 x 9 1/2 x 7 3/8 in, speakers: 7 3/4 x 9 1/2 x 7 3/4 in \$260

PT-300 Portable CD System

Top-loading CD player with 20-track programming and 3-beam laser pickup; AM/FM tuner; cassette deck; 3 1/2-in speakers; bass boost; 3-band EQ. 17 7/8 x 5 1/2 x 6 7/8 in \$160

LUXMAN

The following are compatible with Luxman's integrated-system remote control and feature a 5-year parts-and-labor warranty, a Duo-Beta dual feedback-loop, and star circuit topology.

D-105U Tube CD Player

8x oversampling, dual 18-bit D/A converters. Features twin-triode vacuum-tube analog output stage; metal chassis and component shielding; magnetic disc clamper; 3-beam laser pickup. Fiber-optic and coaxial digital outputs. 32-track programming; random play; tape edit; auto scan/pause; timer/power-off memory; remote control. FR 5-20,000 Hz ± 1 dB; THD 0.05%; S/N 105 dB; dynamic range 92 dB; ch sep at 1,000 Hz 90 dB. 17 1/4 x 5 1/2 x 13 1/2 in.; 19 lb \$900

D-351 CD Player

8x oversampling, dual 18-bit D/A converters. Features voltage-driven amplification; gradual-slope linear-phase analog filters. Fiber-optic digital-direct output. MSB D/A-converter adjustments; 24-track programming; repeat/random play; synchro play with compatible cassette decks \$600

DZ-122 CD Player

8x oversampling, dual 18-bit D/A converters. Features 3-beam laser pickup; magnetic disc clamper; motor-driven volume control; metal chassis. Gold-plated fixed and variable analog outputs; fiber-optic output; multiroom inputs/outputs; headphone jack. 32-track programming; normal/timed fader; random play; intro scan; direct track access; FL display; repeat; auto-pause; timer play; tape edit; remote control. FR 5-20,000 Hz; THD 0.005%; S/N 106 dB; dynamic range 96 dB; ch sep 100 dB at 1,000 Hz. 17 1/4 x 3 3/8 x 12 1/4 in.; 10 lb \$400

DZ-121 CD Player

8x oversampling, dual 18-bit D/A converters. Features 3-beam laser pickup; magnetic disc clamper; metal chassis. Gold-plated analog outputs; fiber-optic output; multiroom inputs/outputs; headphone jack with volume control. 32-track programming; random play; intro scan; FL display; repeat; auto pause; timer play; time display; direct track access; skip/scan; remote control. FR 5-20,000 Hz; THD 0.008%; S/N 105 dB; dynamic range 95 dB; ch sep at 1,000 Hz 95 dB. 17 1/4 x 3 3/8 x 12 1/4 in.; 10 lb \$300

DZ-111 CD Player

4x oversampling, dual 16-bit D/A converters. Features metal chassis and component shielding; magnetic disc clamper; 3-beam laser pickup. Coaxial digital output. 32-track programming; random play; intro scan; auto pause; timer play; remote control. FR 5-20,000 Hz ± 0.5 dB; THD 0.005%; S/N 106 dB; dynamic range 96 dB; ch sep 100 dB at 1,000 Hz. 17 1/4 x 3 3/8 x 12 1/4 in \$250

CD Changers

DC-114 7-Disc CD Changer

8x oversampling, dual 18-bit D/A converters, 6-disc magazine, single-disc tray. Features 3-beam laser; magnetic disc changer; all-metal housing and chassis. 24-track programming; random play; timer play;

remote control. FR 5-20,000 Hz ± 0.5 dB; S/N 104 dBA; THD 0.005%; ch sep 95 dB at 1,000 Hz. 17 $\frac{1}{4}$ x 4 $\frac{7}{8}$ x 13 $\frac{1}{2}$ in; 15 lb \$800

MAGNAVOX

Portable CD Systems

AZ-8705 Portable CD System

CD player with 20-track programming, Intro scan; double cassette with autoreverse; 4-band EQ, tuner. Features dynamic bass boost; remote control; recharging system \$329

AZ-8400. As above, with 3-band EQ and turbo bass generator. No digital tuning or dynamic bass boost \$299

AZ-8300. As AZ-8400, without remote \$279

AZ-8390. As AZ-8705, without recharging system \$249

AZ-9020 Portable CD System

CD player with 20-track programming, intro scan, random/repeat play; LCD track/time display, track skip; detachable bass-reflex speakers; cassette deck. Features dynamic bass boost; recharging system \$250

Portable CD Players

AZ-6815 Portable CD Player

1-bit Bitstream D/A conversion. Features backlit LCD display; dynamic compression; antishock mechanism. Includes AC/DC adaptor, cable, car cassette adaptor, DC power supply \$250

AZ-6813 Portable CD Player

4x oversampling, 16-bit D/A converter. Features 20-track programming; dynamic bass boost. Includes rechargeable battery, headphones, stereo connection cable, carrying case, 6 V AC DC adaptor \$200

AZ-6812. As above, with car cassette adaptor and power supply. No rechargeable battery \$200

AZ-6811. As AZ-6812, no car accessories \$170

MARANTZ

CDR-1 CD Recorder

1-bit Bitstream A/D converter, four 1-bit Bitstream D/A converters. Features conformity to Philips Orange Book Part II CD-R standards; playback compatibility with any CD player; 3rd-order noise shaping; linear tracking mechanism; 3-beam laser pickup, microphone preamp. Coaxial and fiber-optic digital inputs and outputs; balanced XLR input and output; unbalanced analog output; stereo mic input; headphone jack with level control. Track skip and block delete; auto/manual track numbering; random play; repeat; digital peak display. Sampling frequency 44,100 Hz; FR 2-20,000 Hz; S/N 100 dB; THD + noise 0.004% record, 0.002% playback; dynamic range 96 dB; ch sep 92 dB. Rack mountable \$7,000

CDR-63Q. 63-min blank recordable disc \$50

CD-11 MkII CD Player

1-bit Bitstream PDM D/A conversion. Features fully floating die-cast-alloy Radialinear mechanism with single-beam laser mounted on magnetically actuated swing arm; 3rd-order noise shaping; toroidal power supply; die-cast chassis with copper plating. Balanced XLR outputs; direct-coupled outputs; coaxial and fiber-optic digital outputs. Favorite-track memory for 195 discs. FR 20-20,000 Hz ± 0.1 dB; dynamic range 96 dB; S/N 108 dB; ch sep 100 dB; THD 0.00135% at 1,000 Hz. Gold finish. 18 $\frac{7}{8}$ x 4 $\frac{3}{4}$ x 13 $\frac{1}{2}$ in; 36.7 lb \$2,500

LV-500 Combi-Player

1-bit Bitstream D/A conversion. Plays CD's and video-discs. Features 20-bit digital filter; digital luminance/chrominance separator; dual-side videodisc play. 2 audio outputs; fiber-optic output; 1 video output; 1 S-video output; 2 RCA audio outputs; 2 RCA video outputs; headphone jack with volume control; RC-5 interface for remote-control compatibility with other Marantz components. Synchro play with compatible

cassette decks; CD-direct mode; absolute CD time search; tape edit; random tape edit; highlight scan; 7 CD repeat modes. Dual-mode color-locked scan for CAV/CLV videodiscs via shuttle control; switchable luminance-detail reduction for S-video output to reduce video noise; 9 CAV playback speeds; 8 videodisc repeat modes; on-screen display. Defeatable FL display; single track/chapter play; last-position memory; intro scan; random track/chapter play; 24-chapter/track programming; remote digital volume control; remote control with shuttle. Gold finish. 16 $\frac{7}{8}$ x 4 $\frac{3}{4}$ x 16 $\frac{1}{2}$ in \$849

Black finish \$799

CD-72 CD Player

1-bit Bitstream D/A conversion. Features 20-bit digital filter; 3rd-order noise shaping; fully floating die-cast alloy Radialinear single-beam laser mechanism; motor-driven volume control. Fixed and variable analog outputs; fiber-optic and coaxial digital outputs; RC-5 interface for remote-control compatibility with other Marantz components. Synchro play with compatible cassette decks; non-volatile favorite-track memory for 127 discs; normal/delete programming and random play; variable intro scan; remote control. FR 20-20,000 Hz ± 0.05 dB fixed, 20-20,000 Hz ± 0.1 dB variable; dynamic range 96 dB; S/N 105 dB; ch sep 100 dB and THD 0.0015% at 1,000 Hz. Gold finish \$699

Black finish \$599

CC-52 5-Disc CD Changer

1-bit Bitstream D/A conversion, 5-disc carousel. Features 18-bit digital filter; 3rd-order noise shaping; 3-beam laser pickup; ability to change 2 discs during playback; 3-in-CD compatibility. Fiber-optic digital output; RC-5 interface for remote-control compatibility with other Marantz components. Synchro play with compatible cassette decks; tape edit; 32-track programming; 2-speed audible search; random play; repeat; time, track, and index displays; remote control. FR 20-20,000 Hz ± 0.05 dB; dynamic range 96 dB; S/N 100 dB; ch sep 100 dB and THD 0.003% at 1,000 Hz. Gold finish. 16 $\frac{1}{2}$ x 4 $\frac{3}{8}$ x 15 $\frac{1}{2}$ in; 14 lb \$399

Black finish \$349

CD-52 CD Player

1-bit Bitstream D/A conversion. Features 20-bit digital filter; 3rd-order noise shaping; fully floating Radialinear single-beam laser mechanism; 3-in-CD compatibility. Coaxial digital output; headphone jack with volume control. Non-volatile favorite-track memory to store 2 programs per disc; synchro play with compatible cassette decks; tape edit; 20-track programming; random play; A/B repeat; track search; elapsed-time and track displays; remote control. FR 20-20,000 Hz ± 0.05 dB; dynamic range 96 dB; S/N 105 dB; ch sep 100 dB; THD 0.0015%. Black. 16 $\frac{1}{2}$ x 4 $\frac{3}{4}$ x 11 $\frac{3}{4}$ in; 10 lb \$299

MARK LEVINSON

Model 30 Reference D/A Converter

20-bit D/A converter. Features 2 vertical towers; separate analog and digital circuitry; microprocessor-based user interface; self-test mode; separate power supply; 3 PLL's for incoming signals. 6 XLR inputs; 2 fiber-optic inputs; 2 digital outputs; analog, XLR outputs; single-ended RCA output \$13,950

McINTOSH

MCD-7007 CD Player

4x oversampling, dual 16-bit D/A converters. One-piece cast platform; linear torque disc motor; low-inertia laser assembly. Coaxial output. 20-track programming; scan and repeat; remote control capability. FR 20-20,000 Hz ± 0 , -0.3 dB; ch sep 102 dB and THD 0.0012% at 1,000 Hz; S/N 107 dBA; dynamic range 96 dB. 16 $\frac{1}{8}$ x 5 $\frac{3}{8}$ x 13 in; 18 lb \$1,995

MCD-7008 7-Disc CD Changer

8x oversampling, dual 20-bit D/A converters. Magnet-ic disc clamp. Coaxial output; remote control inputs. Time data memory; 50-track programming; random

and repeat play; remote control. FR 5-20,000 Hz -3 dB; S/N 107 dBA; dynamic range 100 dB; ch sep 100 dB and THD 0.002% at 1,000 Hz. 17 $\frac{1}{2}$ x 5 $\frac{3}{8}$ x 17 in; 25 lb \$1,995

MELOS

MAX-1 Tube D/A Converter

1-bit D/A converter. 3 inputs including fiber-optic. 2-chassis design; balanced circuitry and outputs; switchable phase; volume control; muting; bypass switch. FR 20-20,000 ± 0.3 dB; S/N 85 dB; THD 0.09%; max output 8 V. 30 lb \$2,795

MAX-2. As above, single chassis with no balanced outputs or volume control. Max output 4 V. 17 lb \$1,995

CD-T Bitstream Tube CD Player

1-bit D/A converter. Features 2-chassis design; toroidal transformer; regulated power supplies. Gold-plated Tiffany connectors. 20-track programming; remote control. FR 20-20,000 Hz ± 0.3 dB; THD 0.07%; S/N 90 dB; output 3 V rms \$1,795

MEMOREX

MX-6000 Portable CD System

Features programmable CD player; double cassette deck with high-speed dubbing; 4-band graphic EQ; detachable 2-way speakers. Bass boost. 4 W x 2. 22 $\frac{1}{4}$ x 14 $\frac{1}{2}$ x 16 $\frac{3}{4}$ in; 20 lb \$250

MX-5300 Portable CD System

Features programmable CD player; double cassette deck with autoreverse; 3-band graphic EQ. Bass boost. 25 $\frac{1}{4}$ x 10 x 9 $\frac{1}{4}$ in; 8.5 lb \$180

MX-5100 Portable CD System

Features CD player; cassette deck; AM/FM tuner. 18 $\frac{1}{4}$ x 8 x 10 $\frac{1}{4}$ in; 8.3 lb \$150

MERIDIAN

Model 208 CD Player/Preamplifier

Dual 1-bit D/A converters. Passive differential analog filters; high-stability master clock; high-speed tracking servo; circuit built on computer-grade 4-layer PC boards; two-box construction separates transport and electronics. Analog preamp with 3 inputs and 64-step volume control. 2 fiber-optic and coaxial digital outputs; line-level analog input convertible to phono with optional MC MM board. LED display; lighted control keys; remote control. FR 20-20,000 Hz; S/N 106 dBA; THD 0.004%. 12 $\frac{3}{4}$ x 4 x 12 $\frac{3}{4}$ in \$2,950

Model 602 CD Transport

Features proprietary microprocessor to regulate control and tracking functions; high-speed servos; two-box chassis design; user-adjustable track-select settling time; LED indicators; Fiber-optic Comms communication system for compatibility with 600 Series. Compatible with Meridian 200 Series components. 12 $\frac{3}{4}$ x 4 x 12 $\frac{3}{4}$ in \$2,750

Model 606 D/A Converter

Dual 1-bit PDM D/A converters. Features passive differential analog filtering; PLL detection circuit; auto sampling-rate selection; computer-grade, 4-layer PC board construction with ground plane design. Coaxial and fiber-optic digital inputs \$2,250

Model 206B CD Player

4x oversampling, dual 16-bit D/A converters. Features 2-piece design; physical and electrical isolation between transport, power supply, and digital and analog electronics; passive analog filter. Fiber-optic and coaxial digital outputs. Track/index search; last position memory. 12 $\frac{1}{2}$ x 4 x 12 in; 20 lb \$1,990

Model 203 D/A Converter

Dual 1-bit D/A converters. Passive differential analog filtering; PLL detection circuit; auto sampling-rate selection; computer-grade, 4-layer PC board construction with ground-plane design; separate transport and audio sections. Coaxial and fiber-optic digital

inputs. LED indicators. s/N 106 dBA. Matte-black finish with glass front. 6¼ x 4 x 12¼ in \$990

META RESEARCH

Meta-Laser CD Transport

Features metacrylate, gold-plated brass top-loading mechanism; independent regulated power supply. 75-ohm coaxial and Toslink fiber-optic digital outputs. Remote control. 13 x 2½ x 13 in \$3,750

Meta-Convert D/A Converter

18-bit digital filter. Employs Goldmund conversion technology. Coaxial RCA and Toslink fiber-optic inputs; optional internal digital-switching module for 6 additional inputs, including digital tape loop. Output imp 100 ohms. 13 x 2 x 13 in \$3,200

MIRROR IMAGE AUDIO

Model .4D D/A Converter

8x oversampling, 20-bit D/A converter. Features fixed, variable, and balanced analog line-level outputs; 3 digital and 2 fiber-optic outputs. FR 20-20,000 Hz ± 0.1 dB; s/N 110 dB; THD -96 dB. 0.6 lb \$5,135

Model .3D D/A Converter

8x oversampling, 20-bit D/A converter. Features fixed line-level output; 3 coaxial and 2 fiber-optic digital outputs. FR 20-20,000 Hz ± 0.1 dB; s/N 110 dB; THD -96 dB. 6.8 lb \$3,990

Model .2D D/A Converter

8x oversampling, 20-bit D/A converter. Designed for .2P preamplifier. Features coaxial digital and fiber-optic digital outputs. FR 20-20,000 dB ± 0.1 dB; s/N 110 dB; THD -96 dB. 6.8 lb \$1,985

MISSION

Mission DAD5 CD Player

1-bit D/A converter. Features steel reinforced chassis with aluminum front panel. THD 0.005%; s/N 98 dB and dynamic range 92 dB from 20-20,000 Hz; ch sep 90 dB; linearity at -90 dB ± 1 dB. Black. 14¼ x 4 x 11½ in; 7.7 lb \$699

Mission DAC5 D/A Converter

1-bit D/A converter. Features 1st-order noise shaper; single-stage multi-loop 3rd-order noise shaper; toroidal transformer with six separate power supplies. THD 0.001%; s/N 112 dB and dynamic range 100 dB from 20-20,000 Hz; ch sep 100 dB; linearity at -90 dB ± 0.5 dB. Black. 2¼ x 4 x 11½ in; 3.3 lb \$699

MITSUBISHI

M-C6010 5-Disc CD Changer

8x oversampling, dual 18-bit D/A converters, 5-disc magazine. Video input for CD+G decoder; video output; fiber-optic, coaxial digital, and headphone outputs. 20-track programming per magazine for 50 magazines; on-screen display; tape edit; track and Intro scan; index search; random play; 3-in-CD compatibility; remote control \$849

M-C4030 5-Disc CD Changer

4x oversampling, dual 18-bit D/A converters, 5-disc magazine. Headphone jack. 20-track programming; track and intro scan; index search; random play; 3-in-CD compatibility; remote control \$499

M-C2050 CD Player

Dual 1-bit D/A converters. Coaxial, fiber-optic digital, and headphone outputs. 20-track programming; music calendar; track and intro scan; intro scan; random play; remote control; 3-in-CD compatibility \$349

MOBILE FIDELITY

UltraAmp D/A Converter

4x oversampling, 16-bit D/A converter. Features Philips TDA 1541 chip; separate transformers for digital and analog sections; RF filtering; absolute phase inversion; jitter-reduction circuitry; discrete 2-stage

post filter; DC coupling. Coaxial and fiber-optic digital inputs. THD 0.02%; s/N 96 dB. 18 x 3½ x 10 in; 6.5 lb \$1,695

MOD SQUAD

Signature CD Player

4x oversampling, dual 16-bit D/A converters. Features fast-settling, current-summing amplifier stage; proprietary zero-feedback voltage regulation for analog section and D/A converter voltage reference; all direct-coupled circuitry; DC-servo amplifier; absolute phase inversion from front panel or remote. Coaxial and fiber-optic digital outputs; fixed and variable line outputs. Programmable remote; motor-driven volume; 20-track programming; index search; track scan. FR 0.1-20,000 Hz ± 0.5 dB; s/N -100 dB; THD 0.005%; output level 4 V rms \$2,995

McCormack CD Transport

Features damping felt and spike; aluminum and copper-plated steel chassis; absolute phase inversion from front panel. 1 fiber-optic and 2 coaxial digital outputs. Remote control; random play; auto music scan; indexing \$1,995

Prism II CD Player

4x oversampling and Philips 16-bit digital processing. Features digital-data/clock-line timing for current synchronization and minimal jitter; fast-settling, current-summing amplifier stage; proprietary zero-feedback regulators for analog section and for D/A-converter voltage reference; direct-coupled circuitry; DC servo amplifier. Fixed and variable line-level outputs; output level 4 V rms; coaxial digital outputs. Remote control; 20-track programming; 4 repeat modes; digital-time-domain alignment. FR 0.1-20,000 Hz ± 0.05 dB; s/N -110 dB; THD 0.02%. 11 lb \$1,895

MONARCHY AUDIO

Model 22 D/A Converter

8x oversampling, dual 20-bit D/A converters. Features GIC analog low-pass filter; separate power supplies. Coaxial fiber-optic inputs; unity-gain buffered output; balanced outputs. Phase-reverse switch. 32-, 44.1-, and 48-kHz sampling rates; s/N 116 dBA; THD 0.0015%; output imp 100 ohms \$1,130
Without balanced outputs \$930

MSB TECHNOLOGY

MSB D/A Converter

Packaged in 50-lb patented Isolation Plate which doubles as platform for transport. Low-imp power supply; line dampener and Cardas phono output jacks; non-inductive metal-film resistors; soldered connections. 2,000 V/μs slew rate; 100 nanosecond settling time to 0.01%; jitter rate 100 picoseconds \$2,995

MSB CD Player

Low-imp power supply; Cardas phono output jacks, line cord, and shielding; REL capacitors, 1% resistors; soldered connections. 30-track programming; solid brass panels; alphanumeric display and keyboard; custom track/disc naming; auto disc identification and recognition for 144 discs. Slew rate 2,000 V/μs \$2,795

MUSEATEX

CD-D1 CD Transport

Features jitter-reduction circuitry; Philips swing-arm laser servo; aluminum drive. Fiber-optic and coaxial digital outputs. Museatex software provides programming. 5-yr warranty (1 year on drive). 16 lb \$1,749

Melior D/A Converter

8x oversampling, 18-bit D/A converter. Features jitter-reduction circuitry; Philips SAA 7350 chip; auto sampling-rate selection from fiber-optic and coaxial inputs. FR 5-20,000 Hz; THD 0.03%; s/N 95 dB. 5-yr warranty. 7 lb \$899

MUSICAL CONCEPTS

Eden CD Player

1-bit D/A converter. Fixed, variable, and balanced line-level outputs; fiber-optic and coaxial outputs; headphone jack with level control. Elapsed-time display; 24-track programming; 4 repeat modes; remote control. FR 2-20,000 Hz; s/N 96 dBA; THD 0.0025%. Gold-matte finish. 37 lb \$3,795

Epoch III CD Player

1-bit D/A converter. Outboard power supply for analog circuits. Fixed line-level output; coaxial output; headphone jack with level control. Elapsed-time display; 30-track programming; 4 repeat modes; remote control. s/N 100 dBA; THD 0.0025% \$1,295

Era III. As above, separate transformer/power supply analog circuits \$895

Enigma III. As above, regular power supply \$595

NAD

Model 5000 CD Player

1-bit MASH D/A converter. Separate regulated power supplies for analog and digital sections; dynamic-range circuit. Low-imp fixed and variable inputs; serial digital output. 20-track programming; remote control. FR 5-20,000 Hz; THD 0.002%; s/N 106 dBA; dynamic range 98 dB; ch sep 100 dB at 1,000 Hz. 17½ x 3¾ x 11½ in \$499

Model 5440 CD Player

1-bit MASH D/A converter. Separate power supplies for analog and digital sections; controlled dynamic-range circuit. Low-imp fixed and variable outputs; serial digital output. 20-track programming; remote control. FR 5-20,000 Hz ± 0.2 dB; THD 0.002%; s/N 106 dBA; dynamic range 98 dB; ch sep 100 dB at 1,000 Hz. 16½ x 3¾ x 11½ in; 9 lb \$429

Model 505 5-Disc CD Changer

1-bit MASH D/A converter, 5-disc carousel. Individually filtered and regulated DC power supplies; controlled dynamic range circuit; ability to replace 2 discs during playback. Coaxial digital output; NAD-Link multiroom input/output jacks. 32-track programming; random play; remote control. FR 20-20,000 Hz -1 dB; THD 0.0025%; s/N 106 dBA; dynamic range 98 dB; ch sep 90 dB at 1,000 Hz. 16½ x 5¼ x 14½ in \$399

Model 5425 CD Player

1-bit MASH D/A converter. Low-imp outputs. Features 16-track programming; remote control. FR 5-20,000 Hz ± 0.5 dB; THD 0.0025%; s/N 106 dBA; dynamic range 98 dB; ch sep 100 dB at 1,000 Hz. 16½ x 3¾ x 10¼ in; 9 lb \$299

NAIM

NA CDS CD Player

4x oversampling, Philips 16-bit D/A converter. Top-loading design with separate power supply; precision-suspended mounting for custom high-torque transport; low-mass magnetic clamp. Remote control. FR 10-18,000 Hz ± 0.1 dB; output level 2 V rms at 1 kHz; output imp 100 ohms. DC offset-sensing protection circuits with fail-safe relay muting \$7,395

NA CDI CD Player

4x oversampling, 16-bit D/A converter. Features top-loading design; internal suspended subchassis for transport and D/A board; low-mass magnetic clamp. FR 10-18,000 Hz ± 0.1 dB; THD 0.01% from 10-18,000 Hz; output imp 10 ohms \$3,995

NAKAMICHI

Except for CDPlayer4, the following feature Nakamichi's Music Bank System, which employs a fixed internal mechanism that accepts 6 discs and a single-disc tray.

Model 1000mb 7-Disc CD Transport

Acoustic Isolation design; acoustic shield multi-compartment construction; dual-suspension die-cast

C D C O M P O N E N T S

chassis; disc stabilizer; die-cast zinc pickup base; push-pull digital interface. Coaxial and fiber-optic digital outputs; optional glass fiber-optic output. Synchro play with compatible cassette decks . . . \$6,000

CDPlayer1 7-Disc CD Changer

20-bit D/A converter. Features hand-selected converter IC; discrete 3rd-order Bessel analog low-pass filter; rigid 2-layer steel chassis. Coaxial digital outputs. FR 5-20,000 Hz \pm 0.5 dB; THD + noise 0.003%; SN 105 dBA . . . \$2,000

CDPlayer2 7-Disc CD Changer

8x oversampling, 20-bit D/A converter. Features disc stabilizer; 3rd-order Bessel-type analog filtering; regulated power supply; isolated ground topology; floating disc drive. Digital outputs; system remote terminals; headphone jack with volume control. Variable output level; random play; synchro rec; disc scan; repeat; music calendar; 3-in-CD compatibility; remote control. FR 5-20,000 Hz \pm 0.5 dB; THD 0.0025%; SN 105 dBA; ch sep 98 dB . . . \$799

CDPlayer3 7-Disc CD Changer

8x oversampling, 18-bit D/A converter. Features disc stabilizer; 3rd-order Bessel-type analog filtering; regulated power supply; isolated ground topology; floating disc-drive mechanism. System remote terminals. Random play; disc scan; repeat; music calendar; 3-in-CD compatibility; headphone jack with volume control; remote control. FR 5-20,000 Hz \pm 0.5 dB; THD 0.0035%; SN 103 dBA; ch sep 97 dB. 17 x 4 x 14 $\frac{1}{4}$ in; 12 lb . . . \$599

CDPlayer4 CD Player

8x oversampling, 18-bit D/A converter. Features 3rd-order Bessel-type analog filtering; regulated power supply; isolated ground topology; floating disc-drive mechanism. Digital outputs; system remote terminals. Headphone jack with volume control. Repeat; 3-in-CD compatibility; remote control. FR 5-20,000 Hz \pm 0.5 dB; THD 0.0035%; SN 100 dBA; ch sep 95 dB. 17 x 4 x 12 $\frac{1}{2}$ in; 11 lb . . . \$349

NIKKO

NCD 950R CD Player

1-bit D/A converter. 20-track programming; remote control; random play; 3 repeat modes; intro scan; LCD display . . . \$160

NCD 760 CD Player

4x oversampling, 20-track programming; 3 repeat modes; random play; intro scan; LCD display . . . \$140

NCD 150 CD Player

4x oversampling, 18-bit D/A converter. Fixed line-level outputs; headphone jack. Features 20-track programming; random play; 3 repeat modes; skip/scan. FR 20-25,000 \pm 1.5 dB; SN 95 dB; IM 0.07%; output imp 2,200 ohms. 16 $\frac{1}{2}$ x 3 $\frac{1}{4}$ x 10 $\frac{1}{8}$ in; 9.3 lb . . . \$139

CD Changers

NCD 2600R 5-Disc CD Changer

1-bit D/A converter, 5-disc carousel. Remote control; random play; 3 repeat modes; program/intro scan; LCD display . . . \$260

NCD 2500R 5-Disc CD Changer

8x oversampling, dual 20-bit D/A converters, 5-disc carousel. Fixed line-level outputs; headphone jack. 32-track programming; remote control; random play; 3 repeat modes; program/intro scan. FR 4-20,000 Hz; SN 100 dB; IM 0.01%. 18 $\frac{1}{2}$ x 19 $\frac{1}{8}$ x 10 $\frac{1}{8}$ in; 13.3 lb . . . \$259

NIKKODO

LV-2000 Karaoke Combi-Player

Plays CD's and videodiscs. Headphone jack. Digital echo processor; vocal changer to eliminate vocals on MPX software; MPX sound switch. 20-track programming; repeat; tape edit; videodisc dual-side play; remote control. SN 103 dB . . . \$850

NSM

NSM CD 3101 100-Disc CD Changer System

1-bit D/A converter, two 50-disc magazines. Features Philips CDM-4 laser system; controller with single-disc tray. Keyboard controller; LED display; random, repeat and advance play of any track in changer; 99-program memory. FR 20-20,000 Hz \pm 0.15 dB, -0.02 dB; THD 0.035% from 20-20,000; ch sep 89 dB at 1,000 Hz; SN 94 dBA. Changer: 18 $\frac{1}{2}$ x 13 $\frac{3}{8}$ x 8 $\frac{1}{4}$ in; 33 lb. Controller: 16 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x 11 in; 9 lb . . . \$4,000

ONKYO

Models featuring the next-selection function allow the user to select the next track without interrupting track playing. All models, except DX-V801 and DX-F5, are compatible with Onkyo's RI-system control.

DX-V801 Combi-Player

8x oversampling, dual 20-bit D/A converters. Plays CD's and videodiscs. Features center-mounted tray; aluminum front panel. Two sets of A/V outputs. Intro scan; 24-track programming; 7 repeat modes; A-B repeat; random play; direct track access; two 20-track music calendars; on-screen display; remote control. FR 4-20,000 Hz \pm 0.5 dB; audio SN 107 dB. Hor res 425 lines; video SN 49 dB . . . \$1,100

DX-F5 Portable CD Player

Dual 16-bit D/A converters. Features 18-bit digital filter; dynamic bass expander. 24-track programming; backlit LCD; wireless remote control. Includes rechargeable batteries and AC adaptor. 11.8 oz with batteries . . . \$300

CD Players

Grand Integra DX-G10 CD Player

8x oversampling, dual 18-bit D/A converters. Features 4-msb calibration for D/A converters; 5-element optical coupling; cast-steel antivibration chassis; high-speed linear-motor laser transport; 3rd-order GIC-type analog output filters; separate transformers for digital and analog stages. Coaxial and fiber-optic digital outputs; fixed and variable analog outputs. Variable-speed scan and cue; 4 repeat modes; 16-track programming; direct track access; time-search function; phase-reverse switch; remote control . . . \$2,500

Integra DX-708 CD Player

Dual 1-bit D/A converters. Features optical coupling; linear motor drive; transformer designed to prohibit electromagnetic interference; copper-plated chassis; complementary distortion canceler; center-mounted aluminum die-cast disc tray. Fiber-optic output. Program reverse; auto spacing; peak search; auto fade; 2-mode random play; 5 repeat modes; 2-mode high-speed scan; switchable display dimmer; RI-system cassette-deck compatibility; remote control . . . \$750

Integra DX-706 CD Player

Dual 1-bit D/A converters. Features linear-motor drive; complementary distortion canceler; center-mounted aluminum die-cast disc tray. Fiber-optic output. Program reverse; auto spacing; peak search; auto fade; 2-mode random play; 4 repeat modes; 2-mode high-speed scan; switchable display dimmer; RI-system cassette-deck compatibility; remote control . . . \$550

DX-705 CD Player

Dual 1-bit D/A converters. Features 3-in-CD compatibility. Fiber-optic output; headphone jack with volume control. Program memory for 204 discs; program reverse; next-selection function; synchro play with compatible cassette decks; auto play; peak search; 5 repeat modes; random play; 36-track programming; 20-track music calendar; direct track access; switchable display dimmer; remote control . . . \$330

DX-703 CD Player

Dual 1-bit D/A converters. Fiber-optic output; headphone jack with volume control. Next-selection function; synchro play with compatible cassette decks;

peak search; 4 repeat modes; random play; 36-track programming; 20-track music calendar; direct track access; 3-mode display; RI-system cassette-deck compatibility; remote control . . . \$230

DX-701 CD Player

Dual 1-bit D/A converters. Headphone jack with volume control. Synchro play with compatible cassette decks; 20-track programming; 3 repeat modes; 20-track music calendar; 3-mode display . . . \$200

CD Changers

Integra DX-C909 6-Disc CD Changer

Dual 1-bit D/A converters, 6-disc carousel. Features transformer designed to prohibit electromagnetic interference; copper-plated chassis; motor-driven volume control. Fixed and variable analog outputs; fiber-optic output; headphone jack with volume control. Program reverse; synchro play with compatible cassette decks; peak search; 40-track programming; random play; 6 repeat modes; next-selection function; direct track/disc access; 20-track music calendar; 3-mode display; RI-system cassette-deck compatibility; remote control . . . \$650

Integra DX-C606 6-Disc CD Changer

Dual 1-bit D/A converters, 6-disc carousel. Fiber-optic output; headphone jack with volume control. Program reverse; synchro play with compatible cassette decks; peak search; 40-track programming; random play; 6 repeat modes; next-selection function; direct track/disc access; 20-track music calendar; 3-mode display; RI-system cassette-deck compatibility; remote control . . . \$470

DX-M505 6-Disc CD Changer

Dual 1-bit D/A converters, 6-disc magazine. Program memory for 341 discs; peak search; synchro play with compatible cassette decks; 36-track programming; next-selection function; 6 repeat modes; random play; 6-key direct track/disc access; 3-mode display; remote control . . . \$430

DX-C310 6-Disc CD Changer

8x oversampling, dual 18-bit D/A converters, 6-disc magazine. Features MSB D/A-converter calibration; 3-beam laser pickup. Random play; 40-track programming; 4 repeat modes; FL display; remote control . . . \$360

DX-C206 6-Disc CD Changer

Dual 1-bit D/A converters, 6-disc carousel. Headphone jack. Synchro play with compatible cassette decks; 40-track programming; random play; 6 repeat modes; next-selection function; 20-track music calendar; 3-mode display; RI-system cassette-deck compatibility; remote control . . . \$340

OPTIMUS BY RADIO SHACK

CD-6220 5-Disc CD Changer

8x oversampling, dual 18-bit D/A converters, 5-disc carousel. Features floating disc tray; 3-in-CD compatibility. 32-track programming; 5 repeat modes; random play; track skip/scan; elapsed- and remaining-time displays; remote control. FR 20-20,000 Hz \pm 1 dB; SN 105 dBA; THD 0.003% at 1,000 Hz; ch sep 93 dB; dynamic range 95 dB . . . \$230

CD-6130 5-Disc CD Changer

8x oversampling, dual 18-bit D/A converters, 5-disc carousel. Features 3-in-CD compatibility. 32-track programming; random play; 3 repeat modes; intro scan; track skip/scan; elapsed-time display; remote control. FR 20-20,000 Hz \pm 1, -2 dB; dynamic range 95 dB; SN 105 dB; ch sep 85 dB at 1,000 Hz. 14 $\frac{1}{4}$ x 4 $\frac{3}{4}$ x 10 $\frac{1}{8}$ in; 8.4 lb . . . \$220

CD-1760 CD Player

8x oversampling, dual 18-bit D/A converters. Features 3-in-CD compatibility. Headphone jack with volume control. 32-track programming; remote control. FR 20-20,000 Hz \pm 0.5 dB; SN 105 dB; THD 0.008% at 1,000 Hz. 13 $\frac{3}{4}$ x 3 $\frac{1}{4}$ x 11 in . . . \$180



The only CD changers that take 3 ads to explain.

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If you believe an orderly CD library is the sign of an orderly mind, Pioneer® makes a full line of CD changers just for you. Pioneer invented the six-CD magazine to be as ingenious at storing CDs as it is at playing them.



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compatible, including those in our contemporary component systems.

Besides, the Pioneer six-CD magazine makes a handy, protective carrying case to take six hours of music with you wherever you go.

Which means, no matter how much you have to move around in a



day, or how many times the scene changes, at least you can count on one thing. The music will be great.

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For example, just press the CD Synchro button,



and the Pioneer PD-M901 six-CD changer automatically works in concert with our CT-WM70R six-cassette changer. A remarkable feat of coordination that lets you dub six CDs onto six cassettes, parts of CDs onto parts of cassettes, or any variation in between. Whichever variation you choose, our exclusive Automatic



Digital Level Controller eliminates jumps or drops in volume for a consistent sound from CD to CD.

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CD-1660 CD Player

8x oversampling, dual 18-bit D/A converters. Features 3-in-CD compatibility. Headphone jack with volume control. 20-track programming; remote control. FR 20-20,000 Hz ± 0.5 dB; S/N 100 dB; THD 0.005% at 1,000 Hz. 17 $\frac{1}{4}$ x 3 $\frac{3}{4}$ x 9 $\frac{3}{4}$ in \$180

CD-2470 CD Player

8x oversampling. Features floating disc tray; 3-beam laser pickup; 3-in-CD compatibility. 16-track programming; 3 repeat modes; random play; track skip/scan; elapsed- and remaining-time displays; remote control. FR 20-20,000 Hz ± 1 dB; S/N 93 dB; THD 0.035% at 1,000 Hz; ch sep 95 dB; dynamic range 92 dB. 13 $\frac{3}{4}$ x 2 $\frac{3}{4}$ x 11 in; 7.7 lb \$160

Portable CD Players

CD-3370 Portable CD Player

8x oversampling, dual 16-bit D/A converters. Features 3-in-CD compatibility; 4-hr play time with alkaline batteries; AC, DC, or car-battery operation. Line-level output; headphone jack. 3-position bass boost; auto power on/off; resume play; 22-track programming; 4 repeat modes; intro scan; program search; track skip/scan; pause/cue button; remote control. Operates on 2 AA batteries. Includes Y cable and carrying case. FR 20-20,000 Hz ± 0.5 , -2 dB; dynamic range 95 dB; S/N 99 dB; ch sep 70 dB \$180

CD-3260 Portable CD Player

8x oversampling, dual 16-bit D/A converters. Features 3-beam laser pickup; 3-in-CD compatibility; bass boost; 4-hr play time with alkaline batteries; AC, DC, or car-battery operation. Headphone jack; line-level output. 20-track programming; 3 repeat modes; intro scan; track skip scan. Operates on 6 AA batteries. Includes Y-connector and carrying strap. Headphones and AC adaptor optional. FR 20-20,000 Hz; dynamic range 92 dB; S/N 100 dBA; ch sep 75 dB at 1,000 Hz. 5 $\frac{1}{2}$ x 1 $\frac{1}{2}$ x 6 $\frac{3}{4}$ in; 12.1 oz \$160

PANASONIC

LD-101 Combi-Player

1-bit MASH D/A converter. Plays 3-in CD's and video-discs. One-spindle brushless direct-drive motor and magnetic clamping; aspherical glass pickup lens. 2 pairs of A/V outputs; S-video output; headphone jack with volume control. On-screen displays; remote control; track skip/scan; random play; 6 repeat modes; 20-track programming; tape edit; intro scan. Time-base corrector; digital S-video separation; shuttle control; picture recall. 16 $\frac{1}{8}$ x 4 $\frac{3}{8}$ x 15 $\frac{1}{8}$ in \$600

SL-PD446 5-Disc CD Changer

1-bit MASH D/A converter, 5-disc carousel. Ability to change 4 discs while one is playing; 2-way platter rotation; 3-in-CD compatibility. 32-track programming; repeat; random play; remote control. FR 20-20,000 ± 1 dB; THD 0.009%; S/N 100 dB; dynamic range 92 dB. 14 $\frac{1}{4}$ x 5 $\frac{1}{8}$ x 16 $\frac{1}{8}$ in; 10 lb \$239
SL-PD346. As above, without remote control. \$219

Portable CD Systems

RX-DT707 Portable CD System

1-bit MASH D/A converter. CD player with 36-track programming and CD-to-tape dubbing; digital-synthesis tuner with 10 AM/10 FM presets; double cassette deck with double autoreverse, rec in one deck, Dolby B NR, full-logic controls, program search, synchro high-speed dubbing, auto tape-bias selector, and auto rec-level setting; biamped 2-way speakers. Motorized top panel with LCD display, 5 EQ presets; remote control; CD output; 2 aux jacks. Runs on 10 D batteries. 28 x 8 $\frac{1}{2}$ x 10 $\frac{3}{8}$ in; 18 lb \$489

RX-DT505 Portable CD System

Four 1-bit MASH D/A converters. CD player with 36-track programming and CD-to-tape dubbing; PLL quartz digital-synthesis tuner with 10 AM/10 FM presets; double cassette deck with double autoreverse, rec in one deck, full-logic controls, program search,



Panasonic RX-DT707

high-speed and synchro-start dubbing, auto tape-bias selector and tape-level setting; biamped 2-way speakers. Remote control; CD output. Runs on 10 D batteries. 26 $\frac{7}{8}$ x 6 $\frac{7}{8}$ x 10 $\frac{3}{8}$ in; 15 lb \$399

RX-DT680 Portable CD System

1-bit MASH D/A converter. CD player with 36-track programming and CD-to-tape dubbing; digital-synthesis tuner with 10 AM/10 FM presets; double cassette deck with double autoreverse, rec in one deck, full-logic controls, program search, high-speed and synchro-start dubbing, auto tape-bias selector, and auto rec-level setting; biamped, detachable 2-way speakers. 5-band graphic EQ; remote control; CD output, 4 external speaker jacks. Runs on 10 D batteries. 26 $\frac{1}{8}$ x 10 $\frac{1}{2}$ x 9 $\frac{1}{8}$ in; 19 lb \$390

RX-DT630 Portable CD System

Four 1-bit MASH D/A converters. CD player with 16-track programming and CD-to-tape dubbing; PLL quartz digital-synthesis tuner with 10 AM/10 FM presets; double cassette deck with autoreverse in playback deck, high-speed and synchro-start dubbing, and auto tape-level setting; biamped 2-way speakers. 4-band EQ; bass control; CD output and external speaker jacks. Runs on 10 D batteries. 25 $\frac{3}{4}$ x 10 x 8 $\frac{1}{8}$ in; 16 lb \$309
RX-DT610. As above, without autoreverse or auto tape-level setting \$279

SL-PH1 Portable CD System

4x oversampling, dual D/A converters. CD player with 18-track programming; AM/FM tuner with 7 AM/7 FM presets; two 3-in speakers. Clock/timer; auto power-off; line-level output. Runs on 6 C batteries. Includes AC adaptor. 13 x 2 $\frac{1}{8}$ x 6 in; 2.6 lb \$239

Portable CD Players

SL-S505C Portable CD Player

8x oversampling, dual D/A converters. Heat-resistant polycarbonate body; Bass boost. Line-level output. 24-track programming; random play; repeat; skip scan; memory recall; high-filter switch; auto power-off; 3-in-CD compatibility; remote control capability. Includes car cassette adaptor, cigarette lighter adaptor, AC adaptor, RCA jack adaptor. Operates on 2 AA batteries. 5 $\frac{1}{8}$ x 1 $\frac{1}{4}$ x 5 $\frac{1}{8}$ in; 11 oz \$259

RX-DS202 Portable CD Player

Four 1-bit MASH D/A converters. CD player with 16-track programming; PLL quartz digital-synthesis tuner; cassette deck with autoreverse and synchro CD-to-tape dubbing; biamped 2-way speakers. CD output. Operates on 10 D batteries. 24 x 7 $\frac{1}{4}$ x 10 $\frac{5}{8}$ in; 12 lb \$239
RX-DS101. As above, without autoreverse or CD output \$219

SL-NP500 Portable CD Player

8x oversampling, dual D/A converters. Bass boost. Line-level output. 24-track programming; random

play; repeat; skip/scan; memory recall; high-filter switch; auto power-off; 3-in-CD compatibility; remote control. Operates on 2 AA batteries. Includes headphones, rechargeable batteries, AC adaptor/recharger, RCA jack adaptor, and carrying case. 5 x 1 $\frac{1}{8}$ x 5 $\frac{1}{4}$ in; 10.4 oz \$199

SL-S330 Portable CD Player

Four 1-bit MASH D/A converters. Heat resistant polycarbonate body; Bass-boost. Line-level outputs. 24-track programming; random play; repeat; skip/scan; memory recall; high-filter switch; 3-in-CD capability. Includes AC adaptor, RCA jack adaptor, headphones. Operates on 2 AA batteries. 5 $\frac{1}{8}$ x 1 $\frac{1}{4}$ x 5 $\frac{1}{8}$ in; 10.2 oz \$179

PARAMOUNT PICTURES

SCP110 CD Controller

Controls NSM 100 CD changers. Features disc ID displays of song title, disc title, artist, and record label; database with information on 40,000 CD's; ability to access discs by artist, song, or disc title; 5 playlist modes; disc/track programming; random play; timer; remote control. Black aluminum front and rosewood side panels \$8,500

CDR-210 CD Recorder

16-bit A/D and D/A conversion. Balanced XLR and unbalanced RCA analog inputs and outputs; fiber-optic and coaxial digital inputs and outputs. vu meter; auto/manual track selection for recording; remote control. Sampling rate 44,100 Hz. THD + noise 84 dB; S/N 89 dB; ch sep 86 dB; dynamic range 90 dB. Black. 16 $\frac{1}{2}$ x 5 $\frac{3}{8}$ x 13 $\frac{1}{2}$ in; 20.9 lb \$7,000

PARASOUND

D/AC-2000 D/A Converter

18-bit D/A converter. Coaxial, fiber-optic, AT&T, and BNC inputs; 2 variable RCA outputs; 1 variable XLR-balanced output. Remote control; polarity inversion switch. FR 5-20,000 Hz ± 0.1 dB; signal-to-noise ratio 108 dB; total harmonic distortion 0.05%. 19 x 3 $\frac{1}{2}$ x 10 \$1,535

DC/AC-1000. As above, without fixed outputs or remote control. FR 5-20,000 Hz ± 0.25 dB; S/N 103 dB \$695

C/DT-1500 CD Transport

AT&T, Toslink, coaxial outputs. Remote control; infrared repeater. 19 x 3 $\frac{1}{2}$ x 10 in \$599

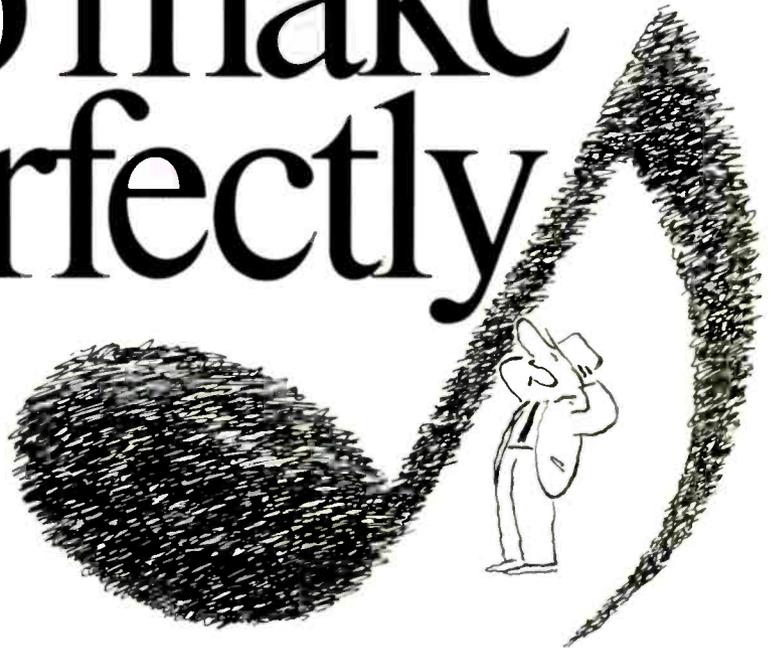
C/D-1000 5-Disc CD Changer

8x oversampling, dual 18-bit D/A converters. Features 3-beam laser; regulated power supply. Digital output; remote control. FR 5-20,000 Hz; ± 0.2 dB; S/N 110 dB; THD 0.002% \$535

C/DX-88 CD Player

8x oversampling, dual 18-bit D/A converters. Features 3-beam laser; regulated power supply. Digital output.

Adcom would like to make this perfectly clear.



Regardless of how sophisticated your stereo and video system is, it may never achieve its full performance if plugged directly into an AC outlet. Raw and unprocessed AC power can severely diminish the clarity of audio signals and reduce the resolution of your video picture.

ADCOM's ACE-515 AC Enhancer significantly improves the performance capabilities of your system by filtering and processing raw AC power, unveiling a pure, noise-free power source.

Listen To The Critics

"...the effective suppression of AC 'RF hash' by the ACE-515 improved clarity and lowered noise in all three CD players. . . .the significant improvements in instrumental and vocal harmonic retrieval and hall ambience are superb. . . . it simply appears to allow musical information to be passed through to the listener with less veil and electronic 'haze.' "

—Lewis Lipnick, *Stereophile*, Vol. 11 No. 4, April 1988.

Recommended accessory in *Stereophile*, Vol. 12 No. 4, April 1989.

Line Protection: It Pays For Itself

The ACE-515 also protects your valuable equipment from harmful high-voltage spikes and surges. And, its sequential turn-on/turn-off control circuit guards your speakers from disturbing, damaging thumps.

Again, The Critics Agree

"Electronic equipment (especially digital audio gear) is vulnerable to both annoying and catastrophic power-line problems. Your stereo gear should have line spike and surge protection, with hash filters thrown in too. Line protection—you can pay a little for it now, or you can pay a lot for it later."

—Ken Pehlman, *AUDIO*, November 1987.

For a modest investment, the ADCOM ACE-515 enhances both audio and video clarity while protecting your equipment from damaging line voltage disturbances. Once again, ADCOM lives up to its reputation of offering superior performance at a reasonable cost. For complete technical data, please visit your Adcom dealer. You'll discover the ACE-515 is more than an accessory. It's a necessity.



ADCOM®

details you can hear

20-track programming; programmable repeat; remote control. FR 5-20,000 Hz; SN 110 dB; THD 0.002% \$370

PHILIPS

CDV-600BK Combi-Player

1-bit D/A converter. Plays CD's and videodiscs. Features CX NR; digital-frame memory for freeze, strobe, and picture-recall effects. S-video output; fiber-optic digital output. 5 repeat modes; random play; 20-chapter/track programming; 2-speed scan; remote control with jog/shuttle. FR 2-20,000 Hz ± 0.5 dB; SN 100 dB; dynamic range 97 dB; THD 0.002% at 1,000 Hz. Hor res 425 lines; video SN 49 dB. 17 1/2 x 4 1/2 x 16 in \$1,100

CDI-910 CD-I Player

Plays CD's, CD-I's, CD+G's, Photo-CD, and CD-ROM XA discs. Features audio, video, and text decoder circuits; M68070 microprocessor. Audio, composite-video, and S-video outputs; headphone jack with volume control. Display of total tracks, total and elapsed time, track number, and operating status; track skip; remote control \$999
Various CD-I's \$20-\$60

CDV-400BK Combi-Player

4x oversampling, dual 16-bit D/A converters. Plays CD's and videodiscs. Features CX NR. S-video output; coaxial digital output. Favorite-track selection; 5 repeat modes; 20-chapter/track programming; 2-speed scan; random play; remote control. FR 3-20,000 Hz ± 0.5 dB; SN 98 dB; dynamic range 94 dB; THD 0.003% at 1,000 Hz. Hor res 425 lines; video SN 48 dB. 16 1/2 x 5 x 16 3/4 in \$600

CD-950 CD Player

Dual 1-bit D/A converters. 20-track programming; random play; favorite track selection; tape edit; FL front panel display; music calendar; remote control. Coaxial and fiber-optic outputs; headphone jack with volume control \$600

AZ-6819 Portable CD Player

1-bit D/A converter. 20-track programming; random play; switchable eq for jazz, pop, and classical; remote control; internally rechargeable battery. Includes wireless headphones with RF transmitter \$599

CDC-935 5-Disc CD Changer

Dual 1-bit D/A converters. 5-disc carousel. 20-track programming; random play; favorite track selection; tape edit; auto fade; FL display; music calendar; remote control; 3 discs changeable during play. Coaxial digital outputs; headphone jack with volume control \$300

CDC-925. As above, without coaxial digital outputs or favorite track memory \$250

CD-920 CD Player

Dual 1-bit D/A converters. 20-track programming; random play; tape edit; music calendar; remote control; FL display. Coaxial digital outputs; headphone jack with volume control \$180

CD-910 CD Player

Dual 1-bit D/A converters. 20-track programming; random play; tape edit; music calendar; FL display. Headphone jack with volume control \$160

PIONEER

Karaoke Components

All models, except CLD-V510, feature DSP for sound-field and vocal-effect creation. Sound fields include concert hall, stage, and arena. Vocal effects include pop, jazz, ballad, and chorus. All feature a key for replaying the last 5-seconds of a song. All models, except CLD-501, feature one-touch lead-vocal removal for CD/CDV formats.

CLD-V920 Karaoke Combi-Player System

Includes combi-player, cassette deck, amplifier, and two 2-way speakers. Plays CD's, videodiscs, and

Laser Karaoke discs. Features dual-side videodisc play, 2 mic inputs. Lead-vocal removal; lead-vocal volume control; digital echo control; 9-step digital musical-key controller; independent volume controls for all microphones; remote control \$1,900

CLD-V820 Karaoke Combi-Player

Plays CD's, videodiscs, and Laser Karaoke discs. Features dual-side videodisc play, 2 mic inputs; headphone jack. Lead-vocal removal; lead-vocal volume control; digital echo control; 9-step digital musical-key controller; independent volume controls for all microphones; remote control \$1,000
CLD-V720. As above, without dual-side play \$850
CLD-V510. As CLD-V720, without digital musical-key controller \$700

Combi-Players and Combi-Changers

Video features for the following models include last-position memory, frame-number search for CAV discs, time-number search for CLV discs, and intro chapter scan. Other features include highlight scan, 24-chapter/track programming, random play, direct chapter/track access, and SR-system remote-control compatibility.

CLD-D701 Combi-Player

Dual 1-bit PDM D/A converters. Plays CD's and videodiscs. Features dual-side play; digital time-base corrector; digital 3-line comb filter; picture-noise suppressor; 8-bit digital field memory; CX NR. 2 gold-plated AV outputs; 2 S-video outputs; fiber-optic digital output; headphone jack with volume control. CD-direct mode; track/time search; on-screen level meters. Scan modes; 9-speed forward/reverse play and still/step play on CAV/CLV discs; jog/shuttle controls. Tape edit for CD-to-cassette or videodisc-to-VCR dubbing; 8 repeat modes; digital level control via shuttle ring; remote control. FR 4-20,000 Hz digital, 20-20,000 Hz +1, -3 dB analog; SN 115 dB digital, 70 dB analog with CX NR; dynamic range 99 dB; THD 0.0018%. Hor res 425 lines; video SN 50 dB. 16 5/8 x 5 5/8 x 17 7/8 in; 20.3 lb \$1,200

CLD-D501 Combi-Player

Dual 1-bit PDM D/A converters. Plays CD's and videodiscs. Features dual-side play; digital 3-line comb filter; picture-noise suppressor; CX NR. 2 AV outputs; 1 S-video output; fiber-optic digital output; headphone jack with volume control. CD-direct mode; track/time search; on-screen level meters. 9-speed forward/reverse play and still/step play on CAV discs; shuttle controls. Tape edit for CD-to-cassette or videodisc-to-VCR dubbing; 8 repeat modes; digital level control via shuttle ring; remote control. FR 4-20,000 Hz digital, 20-20,000 Hz +1, -3 dB analog; SN 114 dB digital, 70 dB analog with CX NR; dynamic range 99 dB; THD 0.0018%. Hor res 425 lines; video SN 49 dB. 16 5/8 x 5 5/8 x 17 7/8 in; 19.8 lb \$850

CLD-M401 5-Disc Combi-Changer

1-bit D/A converter, 5-disc tray. Plays CD's and videodiscs. Features simultaneous loading of 5 CD's and one videodisc; videodisc play without removing CD's; CX NR. 2 AV outputs; fiber-optic digital output; S-video output; headphone jack with volume control. Auto digital level control; tape edit; time search. 9-speed forward/reverse play and still/step play for CAV discs. 5 repeat modes; on-screen level meters; shuttle ring; remote control. FR 4-20,000 Hz digital, 20-20,000 +1, -3 dB analog; SN 112 dB digital, 70 dB analog with CX NR; dynamic range 98 dB; THD 0.0025%. Hor res 425 lines; video SN 49 dB. 16 5/8 x 5 5/8 x 17 7/8 in; 21.2 lb \$760
CLD-M301. As above, 1 AV output. Without 9-speed forward/reverse play, fiber-optic output, S-video output, or shuttle rings. SN 102 dB; dynamic range 96 dB; THD 0.003%. 16 5/8 x 5 5/8 x 17 1/2 in; 20.9 lb \$650

CLD-S201 Combi-Player

1-bit D/A converter. Plays CD's and videodiscs. Features separate CD tray telescoped within videodisc tray; CD-direct mode; CX NR. 1 AV output. Manual digital level control; tape edit; time search. 9-speed forward/reverse play and still/step play for CAV

discs. 7 repeat modes; on-screen level meters; shuttle ring; remote control. FR 4-20,000 Hz digital, 20-20,000 Hz +1, -3 dB analog; SN 102 dB digital, 70 dB analog with CX NR; dynamic range 96 dB; THD 0.003%. Hor res 425 lines; video SN 48 dB. 16 5/8 x 4 7/8 x 15 3/8 in; 15.9 lb \$535

CD Changers

The following models feature delete play, highlight scan, tape edit, synchro play with compatible cassette decks, a digital fader, random play, and 7 repeat modes. Memory hold refers to a memory for programmed/deleted tracks that is non-volatile while magazine is in player.

PD-TM2 18-Disc CD Changer

1-bit D/A converter, three 6-disc magazines. Headphone jack with volume control. Memory hold for program and level; 48-track programming; remote digital level control; direct track access; FL display; SR-system remote control. Includes single-disc loader. FR 2-20,000 Hz; SN 102 dB; dynamic range and ch sep 96 dB. 16 5/8 x 7 x 13 in; 14.9 lb \$510

PD-M901 6-Disc CD Changer

1-bit D/A converter, 6-disc magazine. Features digital ambience processing; semi-center tray orientation. Headphone jack with volume control. Jazz, club, church, dance, hall, and stadium ambience presets with memory for each disc or magazine; program memory for 120 discs; digital level control via remote control; 40-track programming; direct track access; nonvolatile operating-status memory; SR-system remote control. Includes single-disc loader. FR 2-20,000 Hz; SN 105 dB; dynamic range 96 dB; ch sep 100 dB. 16 5/8 x 5 1/8 x 13 in; 10.8 lb \$445
PD-M801. As above, without ambience processor or single-disc loader \$380
PD-M701. As PD-M801, without 120-disc program memory. Programming for only 32 tracks. SN 102 dB. 16 5/8 x 5 1/8 x 11 1/2 in; 8.8 lb \$325

PD-M601 6-Disc CD Changer

1-bit D/A converter, 6-disc magazine. Features headphone jack with volume control. Digital level control via remote control; 32-track programming; FL display; SR-system remote control. FR 2-20,000 Hz; SN 102 dB; dynamic range 96 dB. 16 5/8 x 4 1/8 x 11 1/2 in; 8.4 lb \$305
PD-M501. As above, without headphone jack or remote control \$270

CD Players

PD-S501 CD Player

1-bit D/A converter. Features semi-center tray orientation. Headphone jack with volume control. Tape edit; highlight scan; memory for program and level; digital level control via remote control; synchro play with compatible cassette decks; peak search; 24-track programming; 5 repeat modes; random play; direct track access; timer play; SR-system remote control. FR 2-20,000 Hz; SN 104 dB; dynamic range 96 dB. 16 5/8 x 4 3/8 x 10 7/8 in; 8.4 lb \$290
PD-201. As above, without semi-center tray orientation. FR 2-20,000 Hz; SN 102 dB; dynamic range 96 dB. 16 5/8 x 4 x 10 7/8 in; 7.7 lb \$220
PD-101. As PD-201, without remote control. Memory for program only. SN 98 dB \$190

Elite Series

PD-S95 CD Transport

Features brushless motor; anti-resonance shell construction; centered tray orientation; discrete servo power supply; direct signal paths. Fiber-optic and coaxial digital outputs; BNC and RCA outputs. Track programming; track search; direct track access; random play; repeat; defeatable display; remote control. Gold finish. 17 3/8 x 6 x 17 1/8 in; 38.6 lb \$3,000

CLD-95 Combi-Player

8x oversampling, dual 20-bit D/A converters. Plays CD's and videodiscs. Features dual-side play; centered tray orientation; 20-bit digital filter; jitter-cancel-

ing circuitry; time-base corrector; separate audio and video circuitry and power transformers; brushless spingle motor; 8-bit digital picture memory; 2 AV outputs; S-video output; fiber-optic digital output. Random play; tape edit; remote control with jog/shuttle. FR 4-20,000 Hz \pm 0.2 dB; S/N 115 dB; dynamic range 99 dB; ch sep 105 dB; THD 0.0017%. Hor res 425 lines; video S/N 51 dB \$2,000

PD-75 CD Player

Dual 1-bit D/A converters. Features centered tray orientation; 2nd-order noise shaping; separate transformers for analog and digital sections; Class A FET buffer amp; brushless spindle motor. Fiber-optic digital output; balanced output; headphone jack with motor-driven volume control. Peak search; tape edit; direct track access; synchro play with compatible cassette decks; delete play; normal/delete random play; remote control. FR 2-20,000 Hz; S/N 112 dB; dynamic range 98 dB; ch sep 108 dB; THD 0.0018%. 18 1/8 x 5 1/8 x 13 in; 26.4 lb \$1,200

CLD-52 Combi-Player

Dual 1-bit D/A converters. Features dual-side play; digital 3-line comb filter; CD-direct mode. 2 AV outputs; 2 S-video outputs; fiber-optic and coaxial digital outputs; gold-plated terminals. Theater audio mode; digital level control; tape edit; intro/highlight scan; synchro play with compatible cassette decks; shuttle ring; remote control with illuminated keys. FR 4-20,000 Hz \pm 0.3 dB; S/N 115 dB; dynamic range 99 dB; ch sep 105 dB; THD 0.0017%. Hor res 425 lines; video S/N 50 dB. 17 3/8 x 5 3/8 x 17 1/8 in; 20.1 lb ... \$950

PD-M95 6-Disc CD Changer

1-bit D/A converter, 6-disc magazine. Features semi-center tray orientation; Class A FET buffer amp; separate transformers for analog and digital sections. Fiber-optic and coaxial digital outputs; headphone jack with volume control. Auto digital level control; program memory for 20 magazines/120 discs; music-type memory; tape edit; direct track access; synchro play with compatible cassette decks; delete play; normal/delete random play; remote control. FR 2-20,000 Hz; S/N 112 dB; dynamic range 98 dB; ch sep 106 dB; THD 0.0018%. 18 1/8 x 5 1/4 x 13 in; 16.8 lb \$850

PD-65 CD Player

Dual 1-bit D/A converters. Features centered tray orientation; 2nd-order noise shaping; proprietary digital processing to smooth FR; direct signal paths; separate circuit boards and transformers for analog and digital sections; Class A FET buffer amp. Fiber-optic and coaxial digital outputs. Synchro play with compatible cassette decks; random play; repeat; track search; direct track access; defeatable display; remote control. FR 2-20,000 Hz; S/N 111 dB; dynamic range 98 dB; ch sep 107 dB; THD 0.002%. 18 1/8 x 5 1/8 x 13 in; 20.9 lb \$800

PD-M51 6-Disc CD Changer

Dual 1-bit D/A converters, 6-disc magazine. Features semi-center tray orientation; 2nd-order noise shaping; separate transformers for analog and digital sections. Fiber-optic digital output; headphone jack with volume control. Auto-digital level control; synchro play with compatible cassette decks; memory for 20 magazines/120 discs; music-type memory; tape edit; delete play; normal/delete random play; direct disc track access; remote control. FR 2-20,000 Hz; S/N 110 dB; dynamic range 98 dB; ch sep 105 dB; THD 0.002%. 16 5/8 x 5 1/8 x 13 in; 13.9 lb \$550

PD-52 CD Player

1-bit D/A converter. Features semi-centered tray orientation; proprietary digital processing to smooth FR; front-panel stabilization; separate circuit boards and transformers for analog and digital sections; direct signal paths. Fiber-optic and analog outputs. Synchro play with compatible cassette decks; peak search; random tape edit; defeatable display; remote control. FR 2-20,000 Hz; S/N 110 dB; dynamic range 98 dB; ch sep 106 dB; THD 0.0021%. 17 3/8 x 5 3/8 x 10 7/8 in; 11 lb \$500

PD-32 CD Player

1-bit D/A converter. Features semi-center tray orientation; 2nd-order noise shaping; motor-driven volume control. Fixed and variable outputs; fiber-optic digital output; headphone jack with motor-driven volume control. Random tape edit; synchro play with compatible cassette decks; highlight scan; peak search; defeatable display; remote control. FR 2-20,000 Hz; S/N 108 dB; dynamic range 96 dB; ch sep 100 dB; THD 0.0026%. 17 3/8 x 5 1/8 x 10 7/8 in; 9.3 lb \$400
white, and 1 blue JD-M300 magazines \$30

PROCEED

Proceed CD Library 100-Disc Changer

8x oversampling, 18-bit D/A converter, 100-disc jukebox-like magazine. Digital output; fixed and variable line-level output, single-ended or balanced. 2 random-play modes; sequence and delete modes; track access by title, artist, or musical genre. Remote control with LCD. FR 10-20,000 Hz 0, -0.2 dB; S/N 105 dB; THD 0.004%; IM 0.009%; ch sep 120 dB. 33 1/4 x 21 3/8 x 21 1/8 in; 175 lb \$12,000

PDC 3 CD Player

8x oversampling, 20-bit D/A converter. Rigid aluminum frame with lead-filled base to reduce vibrations. FR 10-20,000 Hz -0.2 dB; THD 0.004% at 1,000 Hz; S/N 107 dB; dynamic range 104 dB; ch sep 120 dB; IM 0.008%. 8 3/8 x 9 x 13 1/4 in; 35 lb \$2,995

PDP 3 D/A Converter

8x oversampling, 20-bit D/A converter. FR 10-20,000 Hz -0.2 dB; THD 0.004% at 1,000 Hz; dynamic range 104 dB; S/N 107 dB; ch sep 120 dB; IM 0.008%. 8 3/8 x 3 3/8 x 15 5/8 in; 22 lb \$2,495

PDT 3 CD Transport

Features multiregulated power supply; rigid aluminum frame and lead-filled base for vibration reduction; machined aluminum spiked/padded feet. Single-ended RCA, AES/EBU XLR, Toslink fiber-optic, and AT&T fiber-optic digital outputs \$2,495

PROTON

AC-620 CD Player

4x oversampling, dual 16-bit D/A converters. Fixed and variable outputs; headphone jack. Direct-track access; 20-track programming; random play; intro scan; level control; repeat; index search; remote-control compatible. FR 20-20,000 Hz \pm 0.3 dB; S/N 100 dB; THD at 1,000 Hz 0.003%. 18 1/2 x 3 7/8 x 15 5/8 in; 17 lb \$650

AC-425 CD Changer

Dual 1-bit D/A converters, 5-disc carousel. Features ability to change 4 CD's while 1 plays; 3-beam laser pickup. Headphone jack. Direct track access; 40-track programming; random play; track skip; 2 repeat modes; index search; remote control. FR 20-20,000 Hz \pm 0.3 dB; dynamic range 96 dB; S/N 100 dB; THD at 1,000 Hz 0.03%; ch sep 90 dB. 17 5/8 x 4 3/8 x 15 5/8 in \$450

AC-422 CD Player

Dual 1-bit D/A converters. Features 20-track programming; random play; 4 repeat modes; index search; remote control. FR 20-20,000 \pm 0.3 dB; S/N 96 dB; THD at 1,000 Hz 0.005%. 17 1/2 x 3 1/8 x 11 7/8 in \$350

PS AUDIO

UltraLink Generation Two D/A Converter

8x oversampling, 20-bit D/A converter. Based on UltraAnalog 20-bit D/A converter. Features 3-pole modified Bessel filter; 9 individual regulation stages; 3 independent power supplies; 3 bridge rectifiers; 40,000- μ F power capacitance; low-imp, high-current, Class A output; 2 coaxial inputs; Toslink fiber-optic input; optional AT&T glass input; balanced XLR and single-ended coaxial outputs; digital tape output; gold-plated connectors. FR 20-20,000 Hz \pm 0.5 dB; THD 0.01%; 17 x 2 1/2 x 9 in; 15 lb \$1,995
With AT&T Input \$2,195

SuperLink Generation Two D/A Converter

8x oversampling, 18-bit D/A converter. Features 3rd-order phase linear analog filtering; 2 independent power supplies. Coaxial and fiber-optic connectors; low-imp high-current output; gold-plated Tiffany connectors. Touch-sensitive front-panel switching; individually adjusted D/A converter chips; auto clock-rate adjustment to accommodate digital source; phase-inversion switch; upgradable \$1,195

DigitalLink Generation Two D/A Converter

8x oversampling, 18-bit D/A converter. Features upgradable design; 1st-order phase linear analog filtering; touch-sensitive front-panel switching. Coaxial and fiber-optic outputs; low-imp high-current output; gold-plated Tiffany connectors. Auto clock-rate adjustment. 17 x 2 1/2 x 7 in; 11 lb \$499

QUAD

Quad 66 CD Player

4x oversampling, D/A converters hand-selected for linearity/low noise. RCA and coaxial outputs. Operation via Quad 66 series control panel; remote control. FR 20-20,000 Hz \pm 0.1 dB; THD 0.003%; dynamic range 96 dB; ch sep 96 dB at 1,000 Hz; S/N 96 dB. 12 3/4 x 3 1/4 x 10 in; 8 lb \$1,200

QUASAR

LD9090 Combi-Player

8x oversampling, 18-bit D/A converter. Plays CD's and videodiscs. S-video output. Features dual-side play; center-mounted tray; vibration insulators; dual magnet-clamp system; 1-spindle brushless direct-drive motor. Programmed and random play; custom indexing; CRT level indicator. Hor res 425 lines; S/N 48 dB. 17 x 5 x 16 in; 20 lb \$900

LD500 Combi-Player

1-bit MASH D/A converter. Features precision aspherical glass pickup lens; magnetic disc-clamping mechanism; brushless direct-drive motor; digital time-base corrector; digital Y/C separation circuit. 1 S-video and 2 composite-video inputs and outputs; 2 audio inputs and outputs. 20-track programming; shuttle dial; tape edit; intro scan; remote control \$650

GXD700 Portable CD System

1-bit MASH D/A converter. CD player with 16-track programming; digital AM/FM tuner with 10 AM/10 FM presets; double cassette decks with relay play and high-speed dubbing; detachable 2-way speakers. FR 20-20,000 Hz -2 dB; S/N 95 dB. 25 5/8 x 10 x 8 7/8 in; 16 lb \$300

CD850 Portable CD Player

1-bit MASH D/A converter. 18-track programming; random play; illuminated LCD display; bass boost. Includes headphones, remote control, cable, AA Ni-Cd rechargeable batteries, AC adaptor/charger, car cassette adaptor, 12-V car power adaptor, CD holder, carrying case. FR 20-20,000 Hz -1.5 dB; S/N 96 dB. 5 x 1 x 5 3/4 in; 13 oz \$290

CD892 5-Disc CD Changer

1-bit MASH D/A converter, 5-disc carousel. Features front-loading drawer; bidirectional platter rotation. 32-track programming; FL display; 3 random-play modes; repeat play; remote control. FR 2-20,000 Hz \pm 1 dB; S/N 100 dB. 17 x 5 1/8 x 15 1/4 in; 11 lb ... \$280
CD852. As above, without bidirectional carousel or remote. 14 1/4 x 5 x 15 3/4 in \$250

CD832 CD Player

1-bit MASH D/A converter. 20-track programming; FL display with music calendar; track skip, scan, and repeat play. FR 2-20,000 Hz +1 dB; S/N 100 dB. 14 1/8 x 3 3/4 x 11 in; 7 lb \$180

REALISTIC BY RADIO SHACK

MD-1000 Combi-Player

4x oversampling. Plays CD's and videodiscs. Digital audio output; RF and AV outputs; headphone jack

C D C O M P O N E N T S

with volume control. Tape edit. Non-volatile resume play; still-frame functions. 20-track/chapter programming; search; intro scan; random play; 4 repeat modes; on-screen display; digital FL display with music calendar; remote control. FR 20-20,000 Hz; dynamic range 90 dB; S/N 90 dB. S/N 47 dB; hor res 425 lines. 17 x 4⁷/₈ x 15¹/₂ in; 19 lb \$400

ROTEL

RCD965BX CD Player

Dual 1-bit D/A converters. Track programming; random/repeat play; indexing; track skip/scan; remote control. FR 20-20,000 Hz \pm 0.05 dB; S/N 100 dB; THD + noise 0.0025% at 1,000 Hz; dynamic range 96 dB; ch sep 100 dB at 1,000 Hz. 17³/₈ x 3³/₈ x 13¹/₂ in; 13 lb \$550

RCD955AX CD Player

4x oversampling, dual 16-bit D/A converters. Features track programming; random/repeat play; track skip/scan; remote control. FR 20-20,000 Hz \pm 0.05 dB; S/N 100 dB; THD + noise 0.0025% at 1,000 Hz; dynamic range 96 dB; ch sep 100 dB at 1,000 Hz. 17³/₈ x 3³/₈ x 13¹/₂ in; 13 lb \$450

SAMSUNG

Portable CD Systems

PCD-710 Portable CD System

CD player with 16-track programming, 3-in-CD compatibility, random/repeat play, intro scan, music calendar, AM/FM tuner; double cassette deck with high-speed dubbing, tape-bias selector; 3-band graphic EQ; four 2-way speakers. 5 W x 2 with 10% THD. 27 x 9⁵/₈ x 8¹/₄ in; 15 lb \$320

RCD-1300 Portable CD System

CD player with 16-track programming, 3-in-CD compatibility, 3-beam laser pick-up, random play, repeat play, intro scan, and music calendar; AM/FM tuner; double cassette deck with high-speed dubbing; two 4-in speakers. 3.5 W x 2 with 10% THD. 25³/₄ x 8¹/₂ x 7⁷/₈ in; 10 lb \$280

RCD-995 Portable CD System

CD player with 16-track programming, random/repeat play, intro scan; AM/FM tuner; cassette deck; 4-in speakers. 3.5 W x 2 with 10% THD. 21⁷/₈ x 7³/₈ x 7⁷/₈ in; 8 lb \$240

SANSUI

Audio Note A-4 Portable CD System

Dual D/A converters. CD player with 20-track programming and 3-in-CD compatibility; PLL digital-synthesis AM/FM tuner with 10 AM/20 FM presets and sleep timer; autoreverse cassette deck with synchro dubbing and one-touch record; karaoke mode with mic inputs and volume control; fold-out speakers. AC or battery power; speaker outputs. 12¹/₄ x 8³/₈ x 3¹/₈ in; 5 lb \$500

CD-X617 CD Player

Eight 1-bit MASH D/A converters. Features center-mounted tray. Headphone jack with volume control. 24-track programming; 4 repeat modes; track skip/scan; timer; remote control. FR 4-20,000 Hz; THD 0.002%; S/N 110 dB; dynamic range 98 dB. \$499

CD-X317 CD Player

Eight 1-bit MASH D/A converters. Center-mounted tray. Headphone jack with volume control. 24-track programming; 4 repeat modes; track skip/scan; timer play; remote control. FR 4-20,000 Hz; THD 0.002%; S/N 110 dB; dynamic range 98 dB \$329

CD-390M 5-Disc CD Changer

8x oversampling, dual 16-bit D/A converters, 5-disc carousel. Tape dubbing output. 30-track programming; random/repeat play; track skip/scan; synchro play with compatible tape decks; auto space; remote control. FR 5-20,000 Hz \pm 1 dB; THD 0.03%; S/N 95 dB; dynamic range 95 dB. 17 x 5 x 15 in; 12 lb. \$259

CD-117K CD Player

8x oversampling, dual D/A converters. Features 3-beam laser pickup; karaoke vocal-suppression circuitry. Mic input. Karaoke mode switch; echo switch; mic volume control; 25-track programming; random play; 5 repeat modes; track skip/scan; 3-way time display; 3-in-CD compatibility; remote control. FR 8-20,000 Hz \pm 1 dB; THD 0.08%; S/N 100 dB; dynamic range 90 dB; ch sep 85 dB. 17 x 3³/₈ x 11¹/₈ in; 7 lb \$235

CD-270 CD Player

Features 25-track programming; random play; 5 repeat modes; track skip/scan; 3-way time display; remote control. FR 4-20,000 Hz \pm 1 dB; THD 0.08%; S/N 100 dB. 17 x 3³/₈ x 11¹/₈ in; 7 lb \$199

SANYO

CPM510 CD Changer

8x oversampling, dual 16-bit D/A converters, top-loading 5-disc carousel. Features 18-bit digital filter. 32-track programming; time counter; intro scan; random play; remote control. S/N 98 dB; FR 20-20,000 Hz \pm 1 dB; ch sep 80 dB at 1,000 Hz. Charcoal-gray finish. 16¹/₂ x 4¹/₂ x 15⁵/₈ in; 9 lb \$200

CPM500 CD Changer

8x oversampling, 18-bit D/A converter, top-loading 5-disc carousel. 32-track programming; intro scan; random play. FR 20-20,000 Hz +0, -1 dB; S/N 98 dB, ch sep 80 dB at 1,000 Hz. Charcoal-gray finish with dust cover. 16¹/₂ x 4¹/₂ x 15⁵/₈ in; 8 lb \$180

CDP-30 Portable CD Player

8x oversampling, 16-bit D/A converter. 3-beam laser pickup. Headphone jack. 22-track programming; 3 repeat modes; track skip/search; LCD. Includes Y-type patch cable, AC adaptor, and headphones. FR 20-20,000 Hz \pm 3 dB; THD 0.14%; dynamic range 64 dB; ch sep 40 dB at 1,000 Hz. 5¹/₈ x 1³/₈ x 6 in; 9 lb \$130

CP791 CD Player

8x oversampling, dual 16-bit D/A converters. Features 18-bit digital filter; 3-beam laser pickup. 24-track programming; repeat play; track skip/search; LCD display; time counter. FR 20-20,000 Hz +0, -1 dB; THD 0.05% at 1,000 Hz; S/N 96 dB; dynamic range 95 dB; ch sep 80 dB at 1,000 Hz. Charcoal-gray finish. 17¹/₄ x 3³/₈ x 10³/₄ in; 7 lb \$100

Portable CD Systems

MCD-Z85 Portable CD System

CD player with 3-beam laser pickup and 20-track programming; AM/FM tuner with 10 AM/10 FM presets; double autoreverse cassette deck with 5-mode tape edit, high-speed CD-to-tape/tape-to-tape dubbing, autoreverse rec on one deck, program search, and auto tape-bias selector; 20-W x 2 max power output; 3-stage EQ; Dolby NR; CD output; 2 mic mixing jacks; headphone jack; 4-in speakers; LED display; remote control. FR 20-20,000 Hz; S/N 56 dB (tape with Dolby); dynamic range 90 dB; ch sep 70 dB at 1,000 Hz. 22¹/₄ x 6 x 9¹/₄ in; 13 lb \$400

MCD-Z65. As above, 1 mic mixing jack. 15 W x 2 max power output. S/N 46 dB tape; dynamic range 80 dB \$350

MCD-Z30 Portable CD System

CD player with 20-track programming; AM/FM tuner; double cassette deck with autoreverse play/rec for one deck, high-speed tape-to-tape or CD-to-tape synchro dubbing, and CD-to-tape back-skip edit rec; bass boost; headphone jack; remote control; AC/DC operation; operates on 8 D batteries \$250

MCD-S800 Portable CD System

CD player with 3-beam laser pickup and 16-track programming; AM/FM tuner; double cassette deck with CD-to-tape synchro dubbing, high-speed tape-to-tape dubbing, continuous play, one-touch rec; 4-band graphic EQ; detachable 2-way bass-reflex speakers. 2-stage variable bass boost; headphone

jack; LED display; AC/DC operation. FR 20-20,000 Hz; S/N 50 dB tape; dynamic range 73 dB; ch sep 70 dB at 1,000 Hz. 27¹/₂ x 9³/₄ x 8³/₄ in; 13 lb \$200

MCD-Z22 Portable CD System

CD player with 3-beam laser pickup, 16-track programming, track skip/search, and repeat play; AM/FM tuner; double cassette deck with CD-to-tape synchro dubbing, high-speed tape-to-tape dubbing, and one-touch rec; 2-way speakers; headphone jack; AC/DC operation. FR 20-20,000 Hz; S/N 46 dB tape; dynamic range 73 dB; ch sep 70 dB at 1,000 Hz. 24¹/₂ x 7 x 8 in; 9 lb \$170

MCD-Z2 Portable CD System

CD player with 3-beam laser pickup and track skip/search; AM/FM tuner; cassette deck with CD-to-tape dubbing; 4-in speakers; headphone jack; LED display. FR 20-20,000 Hz; S/N 40 dB tape; dynamic range 70 dB; ch sep 65 dB at 1,000 Hz. 21 x 6¹/₄ x 7³/₄ in; 7 lb \$130

SHARP

MVD-2000 Combi-Player

4x oversampling. Plays CD's and videodiscs. Music calendar; tape edit; repeat play; intro scan; program search; direct track access; remote control ... \$600

CD-S77 Portable CD System

4x oversampling. CD player with 20-track programming, track search, auto edit, and random play; AM/FM digital-synthesis tuner with 8 AM/8 FM presets and clock/timer; double autoreverse cassette deck with full-logic controls, auto tape-bias selector, and high-speed dubbing; 2 full-range speakers; mic mixing. 5 W x 2 cont avg into 4 ohms from 100-20,000 Hz with 10% THD. 22⁷/₈ x 7³/₄ x 9³/₈ in; 15 lb \$450

GX-CD65 Portable CD System

CD player with 20-track programming, and random/repeat play; AM/FM digital-synthesis tuner with 10 AM/20 FM presets; cassette deck; bass boost; 3-band graphic EQ; detachable 2-way speakers; motor-driven volume control; line-level output \$380

GX-CD63 Portable CD System

CD player with 3-beam laser pickup, 16-bit filter, 20-track programming; track search, and CD-to-tape synchro dubbing; AM/FM synthesis tuner with 20 FM/10 AM presets and auto scan; autoreverse cassette deck. Bass boost; 3-band graphic EQ; 2-way detachable speakers. 5 W x 2 at 1,000 Hz with 10% THD; tape w&F 0.25% \$350

GX-CD62 Portable CD System

CD player with 20-track programming, track search, random/repeat play and CD-to-tape synchro dubbing; digital-synthesis AM/FM tuner with 10 AM/20 FM presets; autoreverse cassette deck; 3-band graphic EQ; bass boost; detachable speakers; CD output \$350

GX-CD510 Portable CD System

CD player with 20-track programming, program search, random/repeat play, and CD-to-tape synchro dubbing; AM/FM tuner; double cassette deck with high-speed dubbing; 3-band graphic EQ; bass boost; detachable 2-way speakers; CD output \$290

GX-CD56 Portable CD System

CD player with 20-track programming, program search, random/repeat play, and CD-to-tape synchro dubbing; AM/FM tuner; cassette deck; 3-band graphic EQ; detachable 2-way speakers; bass boost; CD output \$250

WQ-CD220 Portable CD System

CD player with track search, high-speed dubbing, CD synchro dubbing; AM/FM tuner; double cassette deck; full-range speakers; bass boost; auto level control \$220

QT-CD5 Portable CD System

CD player with program search, CD-to-tape synchro

dubbing, and random/repeat play; AM/FM tuner; cassette deck; bass boost; 2 full-range speakers; auto level control; remote control. 2.5 W x 2 with 10% THD. 24 x 7³/₈ x 7³/₈ in; 10 lb \$180

SHERWOOD

CDC-5010R 5-Disc CD Changer

1-bit D/A converter. Front-loading 5-disc carousel. Features multi-regulated power supply; 3-beam laser pickup; double linear phase filtering; low-mass optical block. Gold-plated headphone jack with volume control; gold-plated outputs. 32-track programming; random, repeat, and timer play; disc intro; intro scan; music calendar; remote control; Sherwood Digi-Link II system remote-control compatible. FR 20-20,000 Hz ± 0.5 dB; distortion 0.008%; S/N 104 dBA; dynamic range 96 dB; ch sep 100 dB. 17³/₈ x 5 x 9⁵/₈ in; 13 lb \$225

CDC-3010R 5-Disc CD Changer

8x oversampling, dual 18-bit D/A converters, 5-disc front-loading carousel. Features multi-regulated power supply; 3-beam laser pickup. Gold-plated headphone jack with volume control. 32-track programming; disc intro; random, repeat, and timer play; ability to change discs while one is playing; music calendar; remote control; Sherwood Digi-Link II system remote-control compatible. Frequency response 20-20,000 Hz ± 0.5 dB; signal-to-noise 103 dB; dynamic range 95 dB; channel separation 100 dB. 17¹/₄ x 3³/₄ x 15 in; 9 lb \$225

CD-3010R CD Player

8x oversampling, dual 18-bit D/A converters. Features multi-regulated power supply; 3-beam laser pickup. Gold-plated headphone jack with volume control. 20-track programming; random repeat play; intro scan; auto space; music calendar; remote control; Sherwood Digi-Link II system remote-control compatible. FR 20-20,000 Hz ± 0.5 dB; S/N 103 dB; dynamic range 95 dB; ch sep 100 dB. 17¹/₄ x 3³/₈ x 9¹/₂ in; 7 lb \$180

SIMPLY PHYSICS

Digitmaster RR-1 CD Transport

Features 3-chassis design with constrained-layer damped-alloy construction; internal acoustic and mechanical damping; outboard power supply and filter; disc-clamping mechanism. Digital output \$3,950

Mediamaster LD52 LD/CD Transport

Plays CD's and videodiscs. Features isolated chassis; internal acoustic and mechanical damping; 2-side playback. Digital output; RCA coaxial and/or optional XLR outputs; S-video and BNC outputs \$2,500

Bitmaker RR52 CD Transport

Features isolated chassis; internal acoustic and mechanical damping; optional disc-clamping mechanism. Digital output; RCA coaxial and/or optional XLR outputs \$1,250

SINGER

CDP-200A Portable CD Player

8x oversampling, 16-bit digital-to-analog converters. 3-beam laser pick-up. Headphone jack. 16-track programming; track skip/scan; LCD display; bass boost. Includes carrying case, headphones, and AC-power adaptor. 12 lb \$200

CDP-150A Portable CD Player

4x oversampling. Headphone jack. 20-track programming; repeat play; track skip/scan; LCD display; bass boost. Includes carrying case, headphones, and AC adaptor \$160

CDP-100A Portable CD Player

Features 3-beam laser pickup. Line-level output. Random/repeat play; track skip/scan; LCD display; bass boost. Includes carrying case, headphones, AC adaptor. 12 lb \$99

Portable CD Systems

CDP-A1 Portable CD System

16-bit D/A converter. Detachable CD player with 3-beam laser pick-up; analog AM/FM tuner; 6 W x 2 amp; echo control; LCD display; line-level output; mic jack with mixer for Karaoke; headphone jack. 17 lb \$300

CDR-600A Portable CD System

CD player with random play and track skip/scan; AM/FM tuner; double cassette deck with high-speed dubbing; 4-way speakers; bass boost; 3-digit LCD display; headphone jack. 11 lb \$280

CDR-650A Portable CD System

CD player with random play and track skip/scan; AM/FM tuner; double cassette deck with autoreverse and high speed dubbing; 4-way speakers; bass boost; 3-digit LCD display; headphone jack. 22 lb \$230

CDR-400A Portable CD System

CD player with track skip/scan; AM/FM tuner; cassette deck; 3-band EQ; 4-way speaker system; headphone jack \$180

SONOGRAPHE by CONRAD-JOHNSON

SD22 CD Player

1-bit D/A converter. Discrete FET audio circuits and power supplies. Track scan and repeat; track/index cueing; elapsed time display; remote control. 18 x 3³/₄ x 12 in; 9 lb \$895

SONY

CD Changers

The following feature a 45-bit digital filter, proprietary anti-jitter circuitry, digital servo control, 32-track programming, tape edit, peak-level search, random play, 7 repeat modes, intro scan, a fader, a 20-track music calendar, and a headphone jack with volume control.

CDP-C910 10-Disc CD Changer

1-bit D/A conversion, 10-disc magazine. Features magazine compatibility with Sony car CD changers. Fiber-optic digital output; remote-controllable variable line-level output. Program and level memory for 184 CD's; direct track access; timer play; dot-matrix display; remote control. S/N 110 dB; FR 20-20,000 Hz ± 0.3 dB; dynamic range 100 dB; ch sep 105 dB. 17 x 4⁷/₈ x 13 in; 15 lb \$450

CDP-C725 5-Disc CD Changer

1-bit D/A conversion, 5-disc carousel. Features DSP. Fiber-optic digital output; remote-controllable variable line-level output; headphone jack. Hall, church, jazz, stadium, disco, live, and background-music ambience presets; sound-field, program, and level memory for 184 discs; digital reverb, EQ, and level controls; direct track access; timer play; dot-matrix display; remote control. FR 20-20,000 Hz ± 0.3 dB; S/N 115 dB; dynamic range 100 dB; ch sep 110 dB. 17 x 5 x 15 in; 14 lb \$450

CDP-C625 5-Disc CD Changer

1-bit D/A conversion, 5-disc carousel. Features DSP. Fiber-optic digital output; remote-controllable variable line-level output. Hall, church, jazz, stadium, disco, live, and background-music ambience presets; digital reverb and EQ controls; direct track access; FL display; remote control. S/N 110 dB; FR 20-20,000 Hz ± 0.3 dB; dynamic range 98 dB; ch sep 102 dB. 17 x 5 x 15 in; 14 lb \$380

CDP-C525 5-Disc CD Changer

1-bit D/A conversion, 5-disc carousel. Features DSP. Remote-controllable variable line-level output. Hall, church, jazz, stadium, and disco ambience presets; FL display; remote control. S/N 105 dB; FR 20-20,000 Hz ± 0.5 dB; dynamic range 98 dB; ch sep 100 dB. 17 x 5 x 15 in; 13 lb \$350

CDP-C425 5-Disc CD Changer

1-bit D/A conversion, 5-disc carousel. Direct track access on front panel and remote control; FL display;

remote control. FR 20-20,000 Hz ± 0.5 dB; S/N 100 dB; dynamic range 98 dB; ch sep 100 dB. 17 x 5 x 15 in; 12 lb \$300
CDP-C325. As above, direct access on remote control only \$280
CDP-C225. As CDP-C325, no remote control. Features remote-control compatibility with most Sony receivers \$225

CD Players

The following feature digital servo control, 24-track programming, tape edit, peak-level search, delete play, random play, 20-track music calendar, a fader, and a headphone jack with volume control. All models, except CDP-K1A, feature a 45-bit digital filter and proprietary anti-jitter circuitry.

CDP-997 CD Player

1-bit D/A conversion. Features DSP. Fiber-optic digital output; remote-controllable variable line-level output. Hall, church, jazz, stadium, disco, live, and background-music ambience presets; digital reverb and EQ control; sound-field, reverb, EQ, and level memory for 184 discs; 8 repeat modes; direct track access; remote-controllable auto space/cue; dot-matrix display with dimmer. FR 2-20,000 Hz ± 0.3 dB; S/N 115 dB; dynamic range 100 dB; ch sep 110 dB. 17 x 4¹/₂ x 14 in; 10 lb \$400

CDP-K1A Karaoke CD Player

8x oversampling, dual 16-bit D/A converters. Features 18-bit digital filter; vocal-eliminator and digital-echo circuits. 2 stereo mic inputs. ± 12-dB pitch control in 0.1% increments; 5 repeat modes; FL display; remote control. FR 2-20,000 Hz ± 0.5 dB; S/N 98 dB; dynamic range 92 dB; ch sep 95 dB. 14 x 3³/₄ x 12¹/₄ in; 7 lb \$340

CDP-497 CD Player

1-bit D/A conversion. Features tape edit; 6 repeat modes; intro scan; direct track access; auto space/cue; FL display; remote control. FR 2-20,000 Hz ± 0.5 dB; S/N 100 dB; dynamic range 98 dB; ch sep 100 dB. 17 x 4 x 11¹/₂ in; 8 lb \$240

CDP-397 CD Player

1-bit D/A conversion. Features 6 repeat modes; auto space/cue; FL display; remote control. FR 2-20,000 Hz ± 0.5 dB; S/N 97 dB; dynamic range 98 dB; ch sep 93 dB. 17 x 4 x 11¹/₂ in; 8 lb \$190

CDP-297. As above, without auto space/cue or remote control. Features remote-control compatibility with most Sony receivers \$165

ES Series

The following feature a 45-bit digital filter, proprietary anti-jitter circuitry, digital servo control, a fiber-optic digital output, a remote-controllable variable line-level output, and peak-level search. All CD changers, except CDP-C90ES, feature gold-plated line-level outputs, a headphone jack with volume control, 7 repeat modes, direct track access, 32-track programming, and a fader.

CDP-X779ES CD Player

1-bit D/A conversion. Features 16 converter outputs summed in complementary push-pull configuration; digital servo control; noise shaping; separate power transformers for analog and digital sections; Class A FET analog output stage; linear motor with sapphire bearings. Coaxial digital output; gold-plated line-level outputs; balanced analog outputs with XLR connectors; headphone jack with volume control. Program memory for 184 discs; 7 repeat modes; direct track access; 24-track programming; random play; delete play; fader; music calendar; remote control. FR 2-20,000 Hz ± 0.3 dB; S/N 119 dB; dynamic range 100 dB; ch sep 110 dB. 18¹/₂ x 5 x 14³/₄ in; 33 lb \$1,900

CDP-C89ES 5-Disc CD Changer

1-bit D/A conversion, 5-disc carousel. Features DSP; noise shaping; balanced die-cast aluminum platter; copper-shielded chassis. Hall, church, jazz, stadium, disco, live, and background-music ambience presets; EQ and reverb controls; sound-field and pro-

C D C O M P O N E N T S

gram memory for 184 discs; random play with delete; timer play; dot-matrix display; remote control. FR 2-20,000 Hz \pm 0.3 dB; SN 115 dB; dynamic range 100 dB; ch sep 110 dB. 18 1/2 x 5 x 15 in; 21 lb. . . . \$700

CDP-C79ES. As above, without balanced die-cast aluminum platter and copper chassis shielding. 20 lb. . . . \$500

CDP-C69ES. As CDP-C79ES, without 184-disc memory, timer play, dot-matrix display, or wood side panels. Features FL display; 3-yr limited warranty. 17 x 5 x 15 in; 15 lb. . . . \$400

CDP-X339ES CD Player

1-bit D/A conversion. Features noise shaping; zinc insulator feet; aluminum front panel; multiregulated power supply. Gold-plated line-level outputs; headphone jack with volume control. Program memory for 184 discs; 7 repeat modes; direct track access; 24-track programming; random play; delete play; fader; music calendar; remote control. FR 2-20,000 Hz \pm 0.3 dB; SN 116 dB; dynamic range 100 dB; ch sep 110 dB. 18 1/2 x 5 x 14 3/4 in; 26 lb. . . . \$700

CDP-X229ES. As above, without zinc insulator feet. 17 x 4 3/8 x 13 3/8 in; 14 lb. . . . \$400

CDP-C90ES 10-Disc CD Changer

1-bit D/A conversion, 10-disc magazine. Features magazine compatibility with Sony car CD changers. Noise shaping; Independent regulated power supplies; monocoque chassis. Program memory for 184 discs; remote control. FR 2-20,000 Hz \pm 0.3 dB; SN 110 dB; dynamic range 100 dB; ch sep 105 dB. 18 1/2 x 5 x 13 in; 16 lb. . . . \$500

CDP-X111ES CD Player

1-bit D/A conversion. Features noise shaping; multiregulated power supply; monocoque chassis. Headphone jack with volume control. 7 repeat modes; direct track access; 24-track programming; random play; delete play; fader; auto space/cue; music calendar; remote control. FR 2-20,000 Hz \pm 0.5 dB; SN 108 dB; dynamic range 98 dB; ch sep 100 dB. 17 x 4 3/8 x 13 3/8 in; 10 lb. . . . \$300

Portable CD Systems

The following feature a mini-jack mixing mic input, a headphone mini jack, and an AC power cord. All models, except CFD-20, are black. All models, except CFD-454 and CFD-50, feature bass-boost circuitry.

CFD-703 Portable CD System

1-bit D/A converter. CD player with front-loading tray, tape edit, 17-track programming, intro scan, 4 repeat modes; digital-synthesis tuner with 12 AM/12 FM presets; double cassette deck with autoreverse rec/play in one deck, autoreverse play-only in other, normal/high-speed dubbing, and synchro high-speed CD-to-tape dubbing; two 3 1/2-in speakers. Pop, rock, jazz, blues, and vocal EQ modes; backlit LCD with music calendar and clock/timer; remote control. Operates on 8 D and 4 AA batteries. 7.5 W x 2; FR 20-20,000 Hz \pm 1, -3 dB CD. 20 7/8 x 7 7/8 x 9 1/8 in; 13 lb without batteries. . . . \$450

CFD-767 Portable CD System

1-bit D/A converter. CD player with front-loading tray, tape edit, 17-track programming, 4 repeat modes, intro scan; digital-synthesis tuner with 12 AM/12 FM presets; double cassette deck with autoreverse rec/play in one deck, play-only in other, and normal/high-speed dubbing; two detachable 2-way speakers. Pop, rock, jazz, blues, and vocal EQ modes; synchro CD-to-tape dubbing; backlit LCD with clock/timer; remote control. Operates on 10 D and 4 AA batteries. 10 W x 2; FR 20-20,000 Hz \pm 1 dB CD. 25 x 8 1/4 x 9 1/2 in; 21 without batteries. . . . \$400

CFD-757. As above, without autoreverse. 20 lb without batteries. . . . \$400

CFD-475 Portable CD System

8x oversampling. CD player with 20-track programming, tape edit, intro scan, 4 repeat modes; digital-synthesis tuner with 20 AM/FM presets; double cassette deck with autoreverse rec/play in one deck,

play-only in other, and synchro normal/high-speed dubbing; 3-band EQ; detachable 2-way speakers. Concert-hall ambience mode; backlit LCD with music calendar and clock/timer; 2 speaker outputs; remote control. Operates on 10 D batteries and 3 AA batteries. 6 W x 2 amp; FR 20-20,000 Hz \pm 1 dB CD. 27 1/2 x 10 x 9 5/8 in; 19 lb without batteries. . . . \$380

CFD-470 Portable CD System

2x oversampling. CD player with 20-track programming, tape edit, intro scan, 4 repeat modes; digital-synthesis tuner with 20 AM/FM presets; double cassette deck with rec/play in one deck, play-only in other, and normal/high-speed dubbing; 3-band graphic EQ; detachable 2-way bass-reflex speakers. LCD with music calendar and clock/timer; 2 speaker outputs. Operate on 8 D batteries and 4 AA batteries. 6 W x 2 amp; FR 20-20,000 Hz \pm 1 dB CD. 27 1/2 x 9 7/8 x 9 1/2 in; 19 lb. . . . \$350

CFD-260 Portable CD System

1-bit D/A converter. CD player with front-loading tray, tape edit, 17-track programming, intro scan, and 4 repeat modes; digital-synthesis tuner with 12 AM/12 FM presets; double cassette deck with autoreverse rec/play in one deck, play-only in other, normal/high-speed dubbing, and synchro CD-to-tape dubbing; two 3 1/2-in speakers. Pop, rock, jazz, blues, and vocal EQ modes; LCD with music calendar and clock/timer; remote control. Operates on 8 D batteries and 4 AA batteries. 4.5 W x 2 amp; FR 20-20,000 Hz \pm 1 dB CD. 9 3/8 x 7 1/4 x 22 1/2 in; 13 lb without batteries. \$330

CFD-250. As above, without autoreverse. . . . \$315

CFD-120 Portable CD System

2x oversampling, dual D/A converters. CD player with 16-track programming, intro scan, random play, 4 repeat modes; digital-synthesis AM/FM tuner with 20 AM/FM presets; double cassette deck with rec/play in one deck, play-only in other, synchro normal/high-speed dubbing, and synchro CD-to-tape dubbing; tone control; 4-in speakers. Operates on 6 D batteries. 2.3 W x 2 amp; FR 20-20,000 Hz \pm 1, -3 dB CD. 25 1/4 x 8 1/8 x 8 1/8 in; 12 lb with batteries. . . . \$270

CFD-460 Portable CD System

2x oversampling, dual D/A converters. CD player with 16-track programming, random play, intro scan, and 4 repeat modes; AM/FM tuner; double cassette deck with synchro normal/high-speed dubbing and synchro CD-to-tape dubbing; 4-band graphic EQ; detachable 2-way speakers. Operates on 8 D batteries. 4.3 W x 2 amp; FR 20-20,000 Hz \pm 1, -2 dB CD. 26 3/4 x 11 1/2 x 7 3/4 in; 17 lb. . . . \$270

CFD-454 Portable CD System

2x oversampling. CD player with random play and repeat; AM/FM tuner; cassette deck with synchro CD-to-tape dubbing; 5-band graphic EQ; detachable 2-way speakers. Operates on 8 D batteries. 4.5 W x 2 amp; FR 20-20,000 Hz \pm 1 dB CD. 26 3/8 x 11 3/8 x 7 3/8 in; 17 lb. . . . \$250

CFD-440 Portable CD System

8x oversampling, dual D/A converters. CD player with 34-track programming, intro scan, random/repeat play; AM/FM tuner; cassette deck with synchro CD-to-tape dubbing; 3-band EQ; detachable 2-way bass-reflex speakers. Operates on 6 D batteries. 2.3 W x 2 amp; FR 20-20,000 Hz \pm 1, -3 dB CD. 23 1/8 x 9 1/8 x 8 1/8 in; 11 lb. . . . \$240

CFD-100 Portable CD System

2x oversampling, dual D/A converters. CD player with 16-track programming, intro scan, random play, and 4 repeat modes; AM/FM tuner; double cassette deck with rec/play in one deck, play-only in other, synchro normal/high-speed dubbing, and synchro CD-to-tape dubbing; tone control; 4-in speakers. Operates on 6 D batteries. 2.3 W x 2 amp; FR 20-20,000 Hz \pm 1, -3 dB CD. 25 1/4 x 8 1/8 x 8 1/8 in; 12 lb with batteries. \$240

CFD-58 Portable CD System

8x oversampling, dual D/A converters. CD player with 34-track programming, intro scan, random play, and

4 repeat modes; AM/FM tuner; autoreverse cassette deck with synchro CD-to-tape dubbing; two 4-in speakers. Operates on 6 D batteries. 2.3 W x 2 amp; FR 20-20,000 Hz \pm 1, -1.5 dB CD. 23 1/2 x 6 1/8 x 8 1/4 in; 9 lb without batteries. . . . \$220

CFD-55. As above, without autoreverse. Features tone control. FR 20-20,000 Hz \pm 1, -3 dB CD. 23 1/4 x 6 1/8 x 8 in; 9 lb without batteries. . . . \$200

CFD-30 Portable CD System

2x oversampling, dual D/A converters. CD player with 16-track programming, intro scan, random play, and 4 repeat modes; AM/FM tuner; autoreverse cassette deck with synchro CD-to-tape dubbing; two 4-in speakers. Operates on 6 D batteries. 2.3 W x 2 amp; FR 20-20,000 Hz \pm 2 dB CD. 16 1/8 x 6 3/4 x 9 1/4 in; 8 lb without batteries. . . . \$200

CFD-50 Portable CD System

2x oversampling. CD player with 16-track programming, intro scan, random play, and 4 repeat modes; AM/FM tuner; cassette deck; two 4-in speakers. Operates on 6 D batteries. 2.3 W x 2 amp; FR 20-20,000 Hz \pm 1 dB CD. 23 1/4 x 6 7/8 x 7 7/8 in; 10 lb with batteries. . . . \$190

CFD-20 Portable CD System

2x oversampling, dual D/A converters. CD player with 16-track programming, intro scan, and 4 repeat modes; AM/FM tuner; cassette deck with synchro CD-to-tape dubbing; two 4-in speakers. Operates on 6 D batteries. 2.3 W x 2 amp; FR 20-20,000 Hz \pm 2 dB CD. 16 1/8 x 6 3/4 x 9 1/4 in; 8 lb without batteries. . . . \$180

Portable CD Players

The following feature a line-level output and a headphone mini jack. All include an AC adaptor and a connecting cord. All models, except D-515, feature a FR of 20-20,000 Hz \pm 1, -3 dB. All weights are without batteries.

D-515 Portable CD Player

1-bit D/A converter. Features selectable 3-second music buffer; dsp for 3 selectable bass-boost and dynamic-range levels. 22-track programming; random/repeat play; last-position memory; intro scan; backlit LCD. Operates on 2 AA batteries for 2 hrs or on rechargeable battery for 1.5 hrs on 3-hr charge. Includes headphones with wired LCD remote control, rechargeable battery, car mounting plate, and carrying case. FR 20-20,000 Hz \pm 0.5, -1 dB. 4 1/2 x 1 x 5 1/8 in; 14 oz. . . . \$500

D-311 Portable CD Player

1-bit D/A converter. DSP for 3 selectable bass-boost and dynamic-range levels. 22-track programming; random/repeat play; last-position memory; intro scan; LCD. Operates on 4 AA batteries or rechargeable battery for 5.5 hrs. Includes headphones with wired LCD remote control and rechargeable battery. 5 x 1 1/4 x 5 3/8 in; 16 oz. . . . \$370

D-T66 Portable CD Player

8x oversampling, dual 16-bit D/A converters. Features digital-synthesis AM/FM tuner; dual-damper anti-shock suspension. 3 selectable bass-boost levels; 20 AM/FM presets; direct station/track access; 22-track programming; last-position memory; random play; 5 repeat modes; backlit LCD. Operates on 2 AA batteries for 4 hrs or rechargeable battery for 2 hrs on 2-hr charge. Includes headphones, rechargeable battery, and hand strap. 5 x 1 3/8 x 5 3/4 in; 14 oz. . . . \$350

D-808K Portable CD Player

1-bit D/A converter. DSP for 3 selectable bass-boost and dynamic-range levels. 22-track programming; random play; 3 repeat modes; last-position memory; selectable amber/green control and LCD illumination. Operates on 2 AA batteries for 3.5 hrs. Includes car-battery cord, car-mounting plate, and cassette adaptor. 4 3/4 x 1 1/8 x 5 1/2 in; 13 oz. . . . \$330

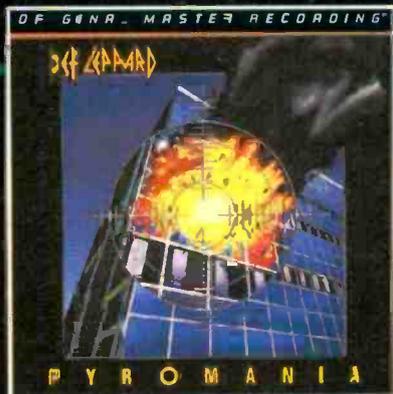
D-T115 Portable CD Player

1-bit D/A converter. Digital-synthesis AM/FM tuner. 10 AM/10 FM presets; 22-track programming; random/

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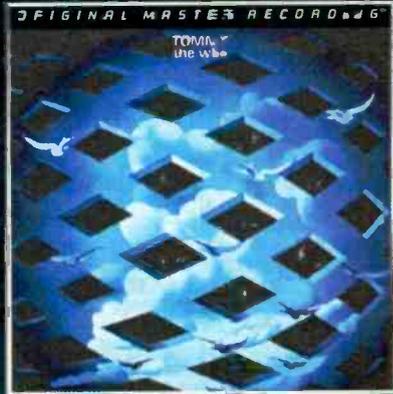
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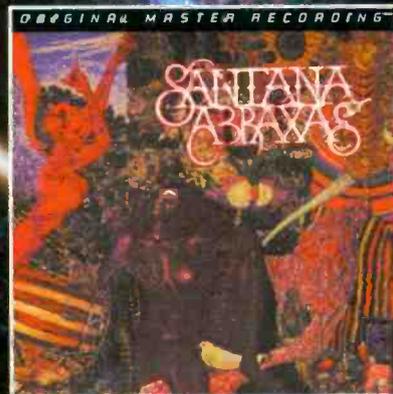
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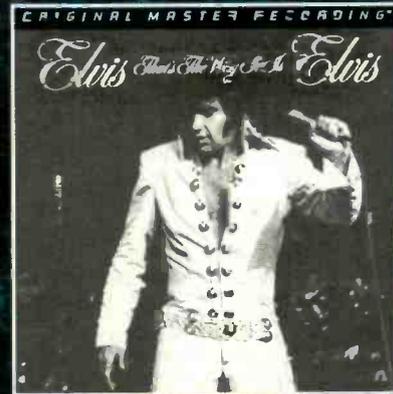
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UDCD 533



UDCD 352



UDCD 560



UDCD 566

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C D C O M P O N E N T S



Teac PD-555

repeat play; intro scan; last-position memory; 3 selectable bass-boost levels; liquid-crystal display. Operates on 2 AA batteries for 3.5 hours or on rechargeable battery for 2 hours on 3-hour charge. Includes headphones and rechargeable battery. 5 x 1 1/4 x 5 3/8 in.; 16 oz \$300

D-802K Portable CD Player

8x oversampling, dual 16-bit D/A converters. Dual-damper anti-shock mechanism. 3 selectable bass-boost levels; audible high-speed search; random play; 3 repeat modes; last-position memory; auto-dimming illuminated disc window; LCD. Operates on 4 AA batteries for 8 hrs. Includes car-battery cord and cassette adaptor. 5 1/2 x 1 3/4 x 6 3/8 in.; 17 oz. \$270

D-T24 Portable CD Player

2x oversampling, dual 16-bit D/A converters. 16-track programming; bass boost; auto shutoff; last-position memory. Operates on 4 AA batteries for 8 hrs. Includes folding headphones and carrying strap. 5 1/2 x 1 3/4 x 6 in.; 18 oz \$250

D-211 Portable CD Player

Dual 1-bit D/A converters. DSP for 3-level digital bass boost and dynamic-range expansion. 22-track programming; random/repeat play; last-position memory; intro scan; backlit LCD. Operates on 2 AA batteries for 3.5 hrs or rechargeable battery for 2 hrs. Includes headphones with wired remote control and rechargeable battery. 5 x 1 1/4 x 5 3/8 in.; 16 oz \$250

D-113CR Portable CD Player

1-bit D/A converter. 22-track programming; 3 selectable bass-boost levels; random/repeat play; last-position memory; intro scan; LCD; wireless remote control. Operates on 2 AA batteries for 3.5 hrs or on rechargeable battery for 2 hrs on 3-hr charge. Includes headphones and rechargeable battery. 5 x 1 1/4 x 5 3/8 in.; 16 oz \$230

D-11 Portable CD Player

2x oversampling, dual 16-bit D/A converters. Bass boost; last-position memory; random play; 3 repeat modes; LCD. Operates on 4 AA batteries for 8 hrs. Includes headphones and carrying belt. 5 1/2 x 1 1/2 x 5 3/8 in.; 16 oz \$200

D-34 Portable CD Player

Dual 1-bit D/A converters. 20-track programming; random play; 3 repeat modes; bass boost; LCD. Operates on 4 AA batteries for 8 hrs. Includes headphones. 5 x 1 1/4 x 5 3/8 in.; 16 oz \$155

D-36. As above, features headphones with larger drivers \$160

SOTA

Vanguard CD Player

Dual 1-bit D/A converters. Features dual-mono circuit design; C-MOS technology; separate power supplies for digital and analog sections; toroidal power transformer; DC-coupled output stage. Fiber-optic and coaxial outputs; headphone jack with volume control. Random/repeat play; track skip/scan; remote control. FR 20-20,000 Hz \pm 0.2 dB; THD 0.002%; S/N 100 dB; dynamic range 92 dB; ch sep 110 dB at 1,000 Hz. 19 x 3 3/4 x 12 in.; 22 lb \$2,495

SOUNDSTREAM

DAC-1 D/A Converter

Features 2-step hybrid design; discrete Class-A analog section; auto de-emphasis and mute circuits; outboard high-current regulated power supply; 3 separate isolated and regulated secondary supplies for digital, analog, and control sections; auto sampling-rate selection. 1 fiber-optic and 2 coaxial digital inputs \$695

STAX KOGYO

DAC-X11 D/A Converter

8x oversampling, dual 20-bit hybrid-IC D/A converters. Features vacuum-tube output stage; balanced output without phase-inverting amp stage; 3 power supplies, transformers, and power cords. 3 coaxial inputs; 3 fiber-optic inputs; balanced outputs. Digital phase-reversal switch. FR 4-20,000 Hz \pm 0.5 dB; S/N 118 dB; dynamic range 104 dB; ch sep 140 dB. 19 1/4 x 6 x 17 in.; 42 lb \$12,000

DAC-Talent D/A Converter

8x oversampling, dual 20-bit D/A converters. Features double-PLL circuitry; optical isolation between digital and analog sections; single-pole low-pass filter with 6-dB/oct slope. Analog and fiber-optic inputs. Digital phase-reversal switch; de-emphasis indicator; muting switch. THD plus noise 0.0015% at 1,000 Hz. 0 dB; S/N 118 dB; dynamic range 104 dB; ch sep 120 dB. 5 1/4 x 1 1/2 x 14 in.; 3 lb \$2,700

TEAC

PD-D650 5-Disc CD Changer

8x oversampling, dual 16-bit D/A converters, 5-disc carousel. Features 3-beam laser pickup; 18-bit digital filter; center-mounted tray. 32-track programming; random play; FL display; CD's changeable during playback; remote control. FR 5-20,000 Hz \pm 1 dB; S/N 100 dB; THD 0.03% at 1,000 Hz; ch sep 85 dB. 17 1/8 x 4 x 13 1/4 in.; 12 lb \$300

PD-D700 5-Disc CD Changer

8x oversampling, dual 16-bit D/A converters, 5-disc carousel. Features 3-beam laser pickup; center-mounted tray. 32-track programming; remote control; CD's changeable during playback. FR 20-20,000 Hz \pm 2 dB; S/N 100 dB; THD 0.05% at 1,000 Hz \$300

PD-P8 Portable CD Player

8x oversampling, 16-bit D/A converters. Features 3-beam laser pickup; memory skip recovery; disc protection mechanism. 20-track programming; bass boost; track disc repeat; track skip/scan; intro scan. FR 10-20,000 Hz \pm 1 dB; S/N 96 dB; THD 0.07% at 1,000 Hz; ch sep 60 dB at 1,000 Hz. 7 1/2 x 1 3/8 x 6 3/8 in.; 13 oz \$199

PD-555 CD Player

8x oversampling, dual 16-bit D/A converters. Features 3-beam laser pickup; 18-bit digital filter; center-mounted tray. 32-track programming; 2 repeat modes; 4-digit LED; remote control. FR 5-20,000 Hz \pm 1 dB; S/N 100 dB at 1,000 Hz; THD 0.005% at 1,000 Hz; ch sep 85 dB. 17 1/4 x 3 3/8 x 1 11/8 in.; 8 lb. \$190

PD-495 CD Player

8x oversampling, dual 16-bit D/A converters. Features 3-beam laser pickup; 18-bit digital filter. 20-track

programming; 2 repeat modes; 4-digit LED; remote control. FR 5-20,000 Hz \pm 1 dB; S/N 100 dB at 1,000 Hz; THD 0.005% at 1,000 Hz; ch sep 85 dB \$189

TECHNICS

SL-P1300 CD Player

8x oversampling, 4 1-bit MASH D/A converters. Separate digital and analog power supplies; high-speed linear-motor access system. Fiber-optical and coaxial digital outputs; balanced outputs; headphone jack with volume control. \pm 8% pitch control; rocker switch for mixing; auto cue; cueing by CD time code; cue search; 2-speed audible search; 3 repeat modes; remote control. 16 7/8 x 6 3/4 x 14 7/8 in. \$1,900

SL-P1200 CD Player

2x oversampling, dual D/A converters. 9th-order low-pass analog filter. Headphone jack with volume control; rear-panel remote jack for mixer. High-speed rocker control for momentary advance or retard; \pm 8% quartz-locked pitch control; 2-speed cueing; auto cue; track skip/scan; fast scan; 3 repeat modes; 20-track programming; track, time, and program displays; remote control. 17 x 7 x 15 in.; 22 lb. \$1,600

SL-PS900 CD Player

8 1-bit MASH D/A converters. Features digital servo system; Class AA analog audio stages; independent power-supply transformers for analog and digital sections. Fiber-optic outputs; remote-controllable variable line-level output. Function-management system for assigning functions to special keys; peak-level search; time fade; auto space; random play; auto cue; tape edit; remote control. FR 2-20,000 Hz \pm 0.3 dB; THD 0.0022% at 1,000 Hz; S/N 118 dB; dynamic range 98 dB. 17 x 5 1/8 x 13 1/8 in.; 14 lb. \$500

SL-PS700. As above, without Class AA analog stages, independent transformers, and remote-controllable variable line-level output. 4 MASH 1-bit D/A converters. THD 0.0028%; S/N 114 dB. 12 lb. \$340

SL-PG300. As above, without fiber-optic outputs, function-management system, and auto space. FR 2-20,000 Hz \pm 1 dB; THD 0.007% at 1,000 Hz; S/N 100 dB; dynamic range 92 dB. 17 x 4 x 11 1/4 in.; 8 lb. \$190

SL-PG100. As above, without remote control. \$170

Portable CD Players

SL-XPS900 Portable CD Player

Four 1-bit MASH D/A converters. Features high-cut filter; extra bass system. Fiber-optic outputs. 24-track programming; resume/random/repeat play; auto power-off; live-sound switch; remote control. Includes earphones, rechargeable batteries, AC adaptor/recharger, battery case, RCA jack adaptor, and carrying case. FR 20-20,000 Hz; S/N 100 dB; dynamic range 96 dB. 5 x 3/4 x 5 7/8 in.; 13 oz with batteries \$399

SL-XP300 Portable CD Player

8x oversampling, dual D/A converters. High-cut filter; bass boost. 24-track programming; resume/random play; auto power-off; remote control. Includes earphones, Ni-Cd rechargeable batteries, AC adaptor/recharger, RCA jack adaptor, and carrying case. FR 20-20,000 Hz; S/N 96 dB; dynamic range 94 dB. 5 x 1 1/8 x 5 3/4 in.; 13 oz with batteries \$250

CD Changers

SL-PD927 5-Disc CD Changer

Four 1-bit MASH D/A converter, 5-disc front-loading carousel. Features digital servo system; linear motor transport; bidirectional platter; anti-resonance construction. Ability to change 4 discs while playing; 32-track programming; 2-mode random play; 4-mode repeat play; direct disc access; delete programming; tape edit. FR 2-20,000 Hz \pm 1 dB; THD 0.007% at 1,000 Hz; S/N 102 dB; dynamic range 92 dB. 17 x 5 1/2 x 15 7/8 in.; 12 lb \$329

SL-PD827. As above, without antiresonance construction. 17 x 5 1/8 x 15 7/8 in. \$249

SL-PD627. As above, without remote control, delete programming, or tape edit. THD 0.009%; S/N 100 dB \$219

THETA DIGITAL

DS Pro Generation III D/A Converter

8x oversampling, dual 20-bit D/A converters. Micro-processor ROM-based design with software-driven parameters. Features balanced design; 3 internal shielded steel/copper/zinc trilaminate chassis; Teflon circuit board. 4 RCA coaxial inputs; optional AT&T or TosLink input; digital, RCA, and balanced Cannon outputs. Source/monitor and phase switches. S/N 120 dB; THD 0.002%; output imp 2 ohms. 19 x 3 1/2 x 15 3/8 in; 36 lb. \$5,000

Unbalanced design version \$4,000

DS Pre Generation III D/A Converter. As above, without balanced design. Features volume, balance and input switching controls \$4,000

Data Universal Transport II

Plays CD's and videodiscs. AT&T fiber-optic outputs; coaxial output; S-video, composite video, and RF video inputs. Includes remote control \$2,900

Without AT&T fiber-optic output \$2,500

DS Pro Basic II D/A Converter

8x oversampling, dual 18-bit converters. Outboard software-variable converter with proprietary algorithms and circuitry. Balanced design. 3 RCA coaxial inputs; optional AT&T or TosLink input; digital, RCA, and balanced Cannon outputs. Source/monitor and phase switches. S/N 108 dB; THD 0.002%. 10 x 2 1/4 x 12 7/8 in; 16 lb. \$2,395

Unbalanced design version \$1,995

DS Pre Basic II D/A Converter. As above, without balanced design. Features volume, balance, and input switching controls \$1,995

DS Pro Prime D/A Converter

1-bit D/A converter. Outboard software-variable converter with proprietary algorithms and circuitry. RCA coaxial input; TosLink input; RCA digital and analog outputs. S/N 108 dB; THD 0.002%. 19 x 2 1/4 x 10 1/4 in; 12 lb. \$1,250

THRESHOLD

DAC 1/e D/A Converter

1-bit D/A conversion. Features dual parallel-balanced differential configuration; discrete FET/bipolar buffer circuitry; passive filtration to maintain phase linearity to 80,000 Hz; master clocking lithium tantalate crystal synchronizing PLL reference oscillator; external power supply with 12 separate regulated circuits; plug-in upgradable processing/software module. 1 fiber-optic and 2 coaxial inputs; balanced or unbalanced fiber-optic output; phase-inverted analog output. Input source selector; standby mode. Frequency response 0-20,000 Hz \pm 0.15 dB at 44.1-kHz sampling; jitter 40 picoseconds; total harmonic distortion 0.002% from 20-20,000 Hz. Dimensions: 19 x 2 x 11 1/2 in; 18 lb. \$2,990

VAC

VAC DAC Tube D/A Converter

1-bit D/A converter. Features Class A tube analog stage; separate power supply. Two coaxial and one AT&T glass fiber-optic input; 2 RCA and XLR single-ended outputs. 32 kHz, 44.1 kHz, and 48 kHz sampling rates. Status indicator. 50 lb. \$4,990

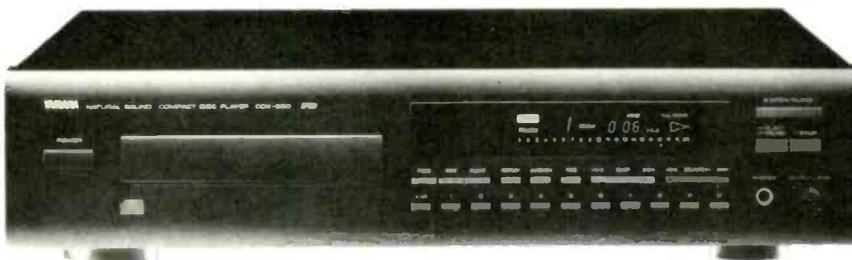
WADIA DIGITAL

Digimaster 2000 D/A Converter

64x oversampling, 18-bit D/A converter. Features shielded and buffered power supply; programmable computer chips. Glass-fiber-optic, two coaxial, and plastic-fiber-optic inputs. Includes outboard DigiLink 40 4-channel glass-fiber-optic connection box. 39 lb. \$7,500

Digimaster X-64.4 D/A Converter

64x oversampling, 18-bit D/A converter. Features shielded and buffered power supply; programmable computer chips. Glass-fiber-optic, two coaxial, and plastic-fiber-optic input. 27 lb. \$5,000



Yamaha CDX-660

Wadia 6 CD Player

32x oversampling, 20-bit D/A converter. Features 3-beam laser pickup; linear motor drive; toroidal transformer. Single ended and balanced outputs; Glass optical, BNC coaxial, and XLR AES/EBU outputs. Programmable track play; repeat/index play; track skip/scan; LED display/indicators on front panel; remote control. FR 0-20,000 Hz; ch sep 100 dB at 1,000 Hz. 13 3/4 x 5 1/2 x 16 in; 35 lb. \$3,700

Wadia 8. As above, transport only \$2,800

WOODSIDE/RADFORD

WS2 CD Player

4x oversampling, 16-bit D/A converter. Features die-cast aluminum transport; proprietary vibration isolation. 20-track programming; 4 repeat modes; passive volume control with isolation facility; standby switch; defeatable display; remote control. FR 10-20,000 Hz; S/N 105 dB; dynamic range 104 dB; ch sep 100 dB. 16 3/4 x 3 1/8 x 13 1/4 in; 13 lb. \$2,295

DAC1 D/A Converter

4x oversampling, 16-bit D/A converter. Isolated regulated power supplies. Standby switch. FR 10-20,000 Hz; S/N 105 dB; dynamic range 104 dB; ch sep 100 dB. \$1,875

YAMAHA

CDV-1700 Combi-Player

8x oversampling, dual 18-bit D/A converters. Plays CD's and videodiscs. RF converter. Fiber-optic output; S-video output; headphone jack with volume control. Freeze-frame and single-frame advance; 10 forward and reverse speeds; index search; chapter, track, and skip search; RS-system-compatible remote control. S/N 110 dB; dynamic range 95 dB. Hor res 440 lines; video S/N 48 dB. 17 1/8 x 5 3/8 x 16 1/4 in. \$699

CDV-1700TI. As above, with titanium finish ... \$699

CD Players

CDX-2020 CD Player

8x oversampling, 22-bit MSB-adjusted D/A converters. Features digital de-emphasis circuitry; current isolation system; shunt-regulated power supplies and independent transformers; heavy-duty chassis with pinpoint damping system; high-speed linear motor; floating suspension system. Fiber-optic and coaxial outputs; gold-plated terminals. 24-track programming; 5 repeat modes; random play; direct-track access; 20-bit digital volume control; 3-mode track search; index search; 3-In-CD compatibility; RS-system remote control. 39 lb. \$1,499

CDX-1060 CD Player

Four 1-bit D/A converters. Features Class A amps; 2nd-order noise shaping; time-base corrector; independent power transformers for analog and digital sections; large damping anti-vibration feet. Fiber-optic and coaxial outputs; fixed and variable analog output; gold-plated jacks; headphone jack with volume control. 10-track program memory for 100 discs; 25-track programming; 5 repeat modes; random play; index search; 3-mode track search and tape edit; RS-system remote control. S/N 120 dB; dynamic range 100 dB. 17 1/8 x 4 7/8 x 13 7/8 in. \$799

CDX-860 CD Player

Four 1-bit D/A converters. Features 2nd-order noise shaping; time-base corrector; anti-vibration base; large anti-vibration feet; microcomputer-controlled 2-way tracking servo system. Fiber-optic and coaxial outputs; fixed and variable analog outputs; gold-plated terminals. 25-track programming; 4-mode repeat play; random play; index search; 3-mode track search and tape edit; space insert; RS-system remote control. S/N 118 dB; dynamic range 100 dB. 17 1/8 x 4 1/4 x 10 7/8 in. \$499

CDX-660 CD Player

Four 1-bit D/A converters. Features 2nd-order noise shaping; time-base corrector; anti-vibration base; large anti-vibration feet; microcomputer-controlled 2-way tracking servo system. Coaxial output; fixed and variable analog outputs; gold-plated terminals; headphone jack with volume control. 25-track programming; 3-mode track search and tape edit; 4-mode repeat play; random play; index search; RS-system remote control. S/N 116 dB; dynamic range 100 dB. 17 1/8 x 4 1/4 x 10 7/8 in. \$399

CDX-560 CD Player

8x oversampling, two 1-bit D/A converters for 8 least-significant bits and two 10-bit ladder-type D/A converters for 8 most-significant bits. Features microcomputer-controlled 2-way tracking servo system; anti-vibration base; large anti-vibration feet. Variable analog output; headphone jack with level control. 25-track programming; 4-mode repeat play; random play; 3-mode track search and tape edit; index search; RS-system remote control. S/N 110 dB; dynamic range 98 dB. 17 1/8 x 4 1/4 x 10 7/8 in. \$249

CD Changers

CDC-835 5-Disc CD Changer

Four 1-bit D/A converters, 5-disc carousel. Features ability to change 4 discs while playing; 2nd-order noise shaping; time-base corrector; Class A analog amps; 3-beam laser-pickup floating mechanism; digital 2-way tracking servo system; large anti-vibration feet. Coaxial output; variable analog output; gold-plated terminals; headphone jack with volume control. 5-mode digital EQ; program and EQ file for 100 discs; table-of-contents memory for high-speed access; 40-track programming; random and repeat play; disc skip; track/index search; direct track/disc access; 5-disc tape edit; relay play for 2 CJC-835 changers; RS-system remote control. S/N 115 dB; dynamic range 100 dB. 17 1/8 x 4 1/4 x 15 1/4 in. \$549

CDC-735. As above, without digital EQ, Class A analog amps, relay play capability, and gold-plated terminals \$429

CDC-625 5-Disc CD Changer

Two 1-bit D/A converters for 8 least-significant bits and two 10-bit ladder-type D/A converters for 8 most-significant bits, five-disc carousel. Features ability to change 4 discs while playing; 3-beam laser pickup with floating mechanism; digital 2-way tracking servo system; large anti-vibration feet. 20-track programming; bidirectional platter rotation; direct disc access; 3-mode track and index search; last-position memory; RS-system remote control. Signal-to-noise ratio 108 dB; dynamic range 98 dB. 17 1/8 x 4 1/4 x 14 1/4 inches. \$299

AIWA

XK-S9000 3-Head Cassette Deck

Dolby S, B, C, NR and HX Pro. Features 8x oversampling, dual 18-bit D/A converters; full-logic controls; sendust erase head and amorphous rec/playback heads with 6N stress-free copper coils; 4-motor transport; dual-capstan mechanism; tape-stabilizing mechanism; bias shield head block; twin-transformer power supply; mic amp with gain selector. Digital inputs; mic input. Mic volume control; auto/manual rec-level and bias controls; auto tape-bias selector; auto rewind play; repeat; 3 display modes; linear tape counter with tape-end signal; L/R FL peak-level meters; remote control. FR 20-15,000 Hz \pm 3 dB high bias; S/N (metal) 68 dB Dolby B, 80 dB Dolby C above 5,000 Hz; w&F 0.018% wrms. 18 $\frac{3}{4}$ x 6 $\frac{1}{8}$ x 20 $\frac{5}{8}$ in; 31 lb \$1,150

AD-F810 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Double-gap sendust erase head and rec/play head with PC.OCC coils; dual-capstan configuration; bias shield head block; IC-logic controls. Direct-in inputs; headphone jack with volume control. Auto tape-bias selector; auto rec-mute; memory rewind and repeat; L/R peak-level meters; rec/play timer standby; manual bias and rec sens. FR 20-13,000 Hz \pm 3 dB high bias; S/N (metal) 65 dB Dolby B, 78 dB Dolby C above 5,000 Hz; w&F 0.035% wrms. 17 x 5 x 11 $\frac{1}{8}$ in; 11 lb \$400

DAT Decks

XD-S260 DAT Deck

1-bit D/A and A/D converters. Features 3-motor drive mechanism; SCMS copy-protection system. Fiber-optic/coaxial digital inputs; fiber-optic outputs. 30-track programming; remote-control compatibility and synchro record with NSX CD players; remote control. FR 2-22,000 Hz \pm 0.5 dB; S/N 93 dB; THD 0.005%; dynamic range 93 dB \$1,100

HD-S100 Portable DAT Deck

1-bit D/A and A/D converter. Digital inputs and outputs. LCD; 3-position mic attenuator; independent L/R rec-level controls; remote control capability. Includes rechargeable battery and AC adaptor. Car adaptor optional. FR 10-22,000 Hz \pm 1 dB; S/N 90 dB; THD 0.009%; dynamic range 90 dB. 3 $\frac{3}{4}$ x 1 $\frac{3}{4}$ x 6 $\frac{1}{4}$ in; 1 lb \$950

ARCAM

Delta 100 3-Head Cassette Deck

Dolby S, B, and C NR. Features amorphous rec/play heads; cam-driven 3-motor transport; closed-loop dual-capstan drive; toroidal transformer; nonmagnetic alloy chassis; aluminum front panel. Auto tape-bias selector; bias and rec level controls with dual tone calibration oscillator; peak-level meters; optional remote control. FR 20-20,000 Hz \pm 3 dB high bias; S/N (high bias) 66 dB no NR, 88 dB Dolby S; w&F 0.04%. 17 $\frac{1}{4}$ x 5 x 13 $\frac{3}{8}$ in; 18 lb \$2,000

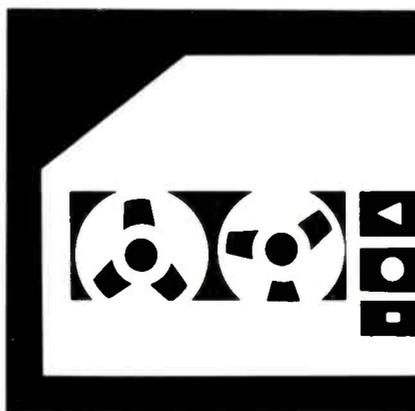
BANG & OLUFSEN

Beocord 7000 Cassette Deck

Dolby B, C NR and HX Pro. Integrates with Beosystem 7000. Features autoreverse; front-loading drawer; computer-controlled rec-level setting. Direct track access; auto playback NR selection; track programming; program search; auto tape-bias selector; auto space; timer record/playback. w&F 0.09%; FR 30-18,000 Hz \pm 3 dB high bias; S/N (high bias) 65 dB Dolby B, 74 dB Dolby C. Polished-aluminum or white finish. 16 $\frac{1}{2}$ x 3 x 12 $\frac{3}{4}$ in; 19 lb \$1,250

Beocord 4500 Cassette Deck

Dolby B NR and HX Pro. Integrates with Beosystem 4500. Features autoreverse. Program search; auto tape-bias selector; auto space; timer record/playback with optional Beolink 5000 remote control. w&F 0.09%; FR 30-18,000 Hz \pm 3 dB high bias; S/N (high bias) 66 dB Dolby B. Polished-aluminum finish with white trim. 16 $\frac{1}{2}$ x 2 $\frac{3}{4}$ x 9 $\frac{5}{8}$ in; 15 lb \$900



CAMBRIDGE AUDIO

CT50 Cassette Deck

Dolby B, C NR and HX Pro. Laminar-alloy head; 2 motors; full-logic controls; trim control. S/N (high bias) 55 dB no NR, 65 dB Dolby B, 75 dB Dolby C; w&F 0.07%. 17 x 5 x 11 $\frac{1}{8}$; 10 lb \$500

CARVER

TD-1770 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features full-logic controls; metal alloy record and playback heads; MPX filter. Headphone jack. Adjustable bias; auto tape-bias selector; record-balance control; blank skip; rec mute; program play and search; memory rewind; repeat; two FL peak-level meters; digital real-time counter; timer; remote control. FR 20-19,000 Hz \pm 2, -3 dB; S/N 75 dB Dolby C; w&F 0.05%. 19 x 5 $\frac{1}{4}$ x 12 $\frac{1}{2}$ in; 15 lb \$600

TDR-2400 Double Cassette Deck

Dolby B, C NR and HX Pro. Features two autoreverse record/playback transports; full-logic controls; MPX filter. Mic input; headphone jack. Relay play; high-speed dubbing; auto tape-bias selector; program search; memory rewind; repeat; two peak-level meters; rec mute; timer; remote control. FR 30-19,000 Hz \pm 3 dB; S/N 74 dB Dolby C; w&F 0.08%. 19 x 5 $\frac{1}{2}$ x 11 $\frac{1}{2}$ in; 16 lb \$500

TDR-1550 Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse with end-of-tape detector; full-logic controls; oxygen-free record/playback-head core; MPX filter. Headphone jack with volume control. Adjustable bias; auto tape-bias selector; program search; memory rewind; repeat; two FL meters; digital real-time counter; record mute; timer; peak hold display; remote control. FR 20-18,000 Hz \pm 3 dB; S/N 75 dB Dolby C; w&F 0.05%. 19 x 5 $\frac{1}{4}$ x 12 $\frac{1}{2}$ in; 15 lb \$460

TD-1440 Cassette Deck

Dolby B, C NR and HX Pro. Features full-logic controls; MPX filter. Headphone jack. Adjustable bias; auto tape-bias selector; high-frequency trim control; two analog level meters; LED peak indicator; record mute; remote control. FR 30-18,000 \pm 3 dB; S/N 73 dB Dolby C; w&F 0.05%. 19 x 5 x 12 $\frac{1}{2}$ in; 14 lb \$380
TD-1200. As above, with dual FL meters. No remote control \$400

DENON

The following analog cassette decks feature Dolby B and C NR, Dolby HX Pro, fine bias control, auto space, a headphone jack, and compatibility with Denon's IS-system remote control.

DTR-80P Portable DAT Deck

8x oversampling, dual 18-bit AI hybrid multi/1-bit D/A converters. Features 20-bit digital filter; dual Sigma-Delta type A/D converters; 48, 44.1, and 32 kHz

record/playback sampling rates; ID-code editing; 100x fast-wind and search speeds; 3-10x cue/review speed. Fiber-optic/coaxial digital inputs; coaxial digital output; analog mini-jack line-level inputs/outputs; stereo mini-jack mic input with switchable 20-dB attenuation; headphone mini jack. Backlit LCD display with status, time, and level information; peak-hold meters. 3 $\frac{1}{2}$ -hr record or 4-hr playback time with 4 alkaline batteries. Includes AC adaptor. FR 20-22,000 Hz \pm 0.5 dB; S/N 90 dB; THD 0.008%; dynamic range 90 dB \$900
RC-423. Wired remote control \$40
DME-50. Stereo microphone kit \$100

DTR-2000 DAT Deck

8x oversampling, 20-bit Lambda ladder-type D/A converters. Features 20-bit digital filter; Sigma-Delta type A/D converters; amorphous alloy heads; 48, 44.1, and 32 kHz playback sampling rates. Fiber-optic and coaxial digital inputs/outputs. Fade-in and fade-out; ID-code editing with $\frac{1}{2}$ -speed line-cueing; 250x/400x high-speed search; display of time and level information; peak-hold meters. FR 2-22,000 Hz \pm 0.5 dB; S/N 92 dB; dynamic range 90 dB \$800

DRS-810 3-Head Cassette Deck

Features horizontal-loading tape drawer; Super-Permalloy combination head in die-cast aluminum base; dual-capstan 3-motor transport; ceramic-composite cassette stabilizer; dual power supplies. 50-dB-range peak-hold FL meters; auto tape-bias selector; auto tape-monitor function; program search; rec-balance control; rec-return mode; FL linear time counter with remaining-time display. FR 20-20,000 Hz \pm 3 dB metal; S/N 75 dB Dolby C; w&F 0.038%. \$500

DRM-710 3-Head Cassette Deck

Features Super-Permalloy combination head in die-cast aluminum base; dual-capstan 3-motor transport; dual power supplies. 50-dB-range peak-hold FL meters; auto tape-bias selector; program search; rec-balance control; rec-return mode; linear real-time counter. FR 20-20,000 Hz \pm 3 dB metal; S/N 76 dB Dolby C; w&F 0.038% \$400

DRW-850 Double Cassette Deck

Features autoreverse in both decks. Revolving amorphous-alloy heads; 2-motor transports with nonslip reel drive; dual power supplies. Peak-reading FL meters; high-speed dubbing; auto tape-bias selector; program search; rec-balance control; simultaneous rec; continuous relay rec and play; linear real-time FL counter; remote control. FR 20-19,000 Hz \pm 3 dB metal; S/N 74 dB Dolby C; w&F 0.06% \$500
DRW-840. As above, features synchro rec with compatible CD players. FR 20-18,000 Hz \pm 3 dB metal; w&F 0.06%; S/N 74 dB Dolby C \$400

DRR-780 Cassette Deck

Autoreverse; revolving rec/play head; ceramic-composite cassette stabilizer; dual power supplies. Auto tape-bias selector; program search; rec-balance control; rec-return mode; FL linear time counter with remaining-time display; remote. FR 25-18,000 Hz \pm 3 dB metal; S/N 74 dB Dolby C \$400

DRW-660 Double Cassette Deck

Features autoreverse; computer-controlled transports; high-speed dubbing; relay play; dual power supplies. Synchro rec with compatible CD players. Auto tape-bias selector; program search; auto space; FL counter; level meters. FR 20-18,000 Hz \pm 3 dB metal; w&F 0.07%; S/N 74 dB Dolby C \$300

DRR-730 Cassette Deck

Autoreverse; computer-controlled 2-motor transport with non-slip reel drive; dual power supplies; revolving rec/play head. Synchro rec with compatible CD players; auto tape-bias selector; program search; auto space; FL counter; level meters. FR 20-19,000 Hz \pm 3 dB metal; w&F 0.06%; S/N 74 dB Dolby C \$300

DRS-610 Cassette Deck

Features horizontal-loading tape drawer; computer-controlled 2-motor transport; ceramic-composite

T A P E D E C K S

cassette stabilizer; dual power supplies. 50-dB-range peak-hold FL meters; auto tape-bias selector; program search; rec-balance control; rec-return mode; FL linear time counter with remaining-time display. FR 25-18,000 Hz ± 3 dB metal. \$300

DRM-510 Cassette Deck

Features Super-Permalloy head; computer-controlled 2-motor transport; dual power supplies. LED peak meters; auto tape-bias selector; program search; rec-balance control; rec-return mode; linear real-time counter. FR 25-18,000 Hz ± 3 dB metal; SN 74 dB Dolby C; W&F 0.055%. \$250

DUAL

CC-5850RC Cassette Deck

Dolby B, C NR and HX Pro. Features amorphous rec/play head; computer-controlled 2-motor drive. Headphone jack. Bias control; auto tape-bias selector; program search; electronic counter with memory; level display with peak hold; rec mute; balance control; repeat play; remote-control capability with CR-5950RC receiver. SN (metal) 68 dB Dolby B, 76 dB Dolby C; FR 25-18,000 Hz high bias; W&F 0.05% wrms. \$505

CC-8065RC Cassette Deck

Dolby B, C NR and HX Pro. Features computer-controlled 2-motor drive. Headphone and mic jacks. Bias control; auto tape-bias selector; program search; rec mute; timer; 4-digit counter with memory. SN (metal) 67 dB Dolby B, 74 dB Dolby C; FR 25-17,000 Hz high-bias; W&F 0.06% wrms. \$440

FISHER

CR-9070 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features switchable MPX filter; full-logic controls; 2 motors; metal-tape compatibility; blank skip. Headphone jack. Input and rec level controls; linear time/turns counter; remote control. FR 15-20,000 Hz ± 3 dB high bias; SN 52 dB no NR, 62 dB Dolby B, 72 dB Dolby C; W&F 0.05% wrms. 17 1/4 x 5 1/4 x 10 3/4 in; 12 lb. \$400

CR-W905B Double Cassette Deck

Dolby B, C NR. Features autoreverse in both decks; switchable MPX filter; full-logic controls; metal-bias compatibility; relay play. High-speed 1-touch dubbing; Intro scan; blank skip; digital tape counter; remote control. FR 40-15,000 Hz ± 3 dB high bias; SN 62 dB Dolby B; W&F 0.06% wrms. 17 1/4 x 5 1/4 x 10 3/4 in; 12 lb. \$350

CR-W981 Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse in both decks; one rec/play deck, one play only; switchable MPX filter; full-logic controls; metal-bias compatibility. Headphone jack. Relay play; auto tape-bias selector; timer standby; high-speed synchro dubbing; 5-LED rec meters. FR 35-16,000 Hz (high bias); SN 52 dB no NR, 62 dB Dolby B, 72 dB Dolby C; W&F 0.12% wrms. 17 1/4 x 5 3/8 x 11 in; 10 lb. \$300

CR-W781 Double Cassette Deck

Dolby B, C NR. Features high-speed synchro dubbing; metal-bias compatibility. Headphone jack. Auto tape-bias selector; timer standby; relay play; 5-LED rec meters. FR 35-15,000 Hz (high bias); SN 52 dB no NR, 62 dB Dolby B, 72 dB Dolby C; W&F 0.12% wrms. 17 1/4 x 5 3/8 x 11 in; 10 lb. \$250

CR-W681 Double Cassette Deck

Dolby B NR. Metal-bias compatibility. Headphone jack. High-speed synchro dubbing; relay play; auto/manual tape-bias selector; 5-LED rec meters. Frequency response 50-14,000 Hz (high bias); SN 51 dB no noise reduction, 61 dB Dolby B; wow-and-flutter 0.13% wrms. \$150

HARMAN KARDON

The following have rear-panel jacks for Harman Kardon's system remote.

TD Series

The following feature discrete record/play circuitry and dual LED peak meters.

TD4800 3-Head Cassette Deck

Dolby S, B, and C NR, and HX Pro. Features 3 isotropic heads; solenoid transport; closed-loop dual-capstans; bias tone-generator and trim control. Headphone jack. Rec and bias controls; MPX filter switch; auto tape-bias selector; program search; intro scan; rec mute; linear time counter; remote control. SN (high bias) 58 dB no NR, 66 dB Dolby B, 74 dB Dolby C, 75 dB Dolby S; FR 20-22,000 Hz ± 3 dB high bias; W&F 0.045% wrms. \$1,199

TD4600. 2-head version of above with separate motors for capstan and reels. SN (high bias) 57 dB no NR, 65 dB Dolby B, 73 dB Dolby C, 74 dB Dolby S; FR 20-20,000 Hz ± 3 dB. \$749

TD4500. As TD4600, without Dolby S. \$549

TD4400 Cassette Deck

Dolby B, C NR and HX Pro. Features 2 isotropic heads; separate motors for capstan and reels. Switchable MPX filter; auto tape-bias selector; program search; intro scan; bias-trim control; linear time counter. SN (high bias) 57 dB no NR, 65 dB Dolby B, 73 dB Dolby C; FR 20-20,000 Hz ± 3 dB high bias; W&F 0.05% wrms. 17 3/8 x 4 7/8 x 13 1/2 in; 12 lb. \$419

TD4200. As above, without Dolby HX Pro, program search, or intro scan. Features 2 hard Permalloy heads. \$299

DC Series

DC5700 Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse play/rec in both decks; isotropic heads; separate motors for capstan and reels; discrete play circuitry. Cross Dolby rec; 1-touch high-speed and standard-speed copying; synchro autoreverse copying; linear time counter; program search; Intro scan; 2 bias-trim controls; remote control. SN (high bias) 57 dB no NR, 65 dB Dolby B, 73 dB Dolby C; FR 20-18,000 Hz ± 3 dB high bias; W&F 0.06% wrms. \$799

DC5500. As above, with autoreverse rec on one deck, and single bias-trim control. No cross Dolby rec. \$649

DC5300. As DC5500, without Dolby HX Pro, remote, music search, intro scan. Features hard Permalloy heads. \$529

JVC

TD-V541TN 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features full-logic controls; closed-loop dual-capstan design with direct-drive motor; PC-occ coil and lead wiring in heads; cassette-shell stabilizer; powered cassette lid; auto rec-level adjustment when connected to compatible CD player. Headphone jack; CD-direct input; gold-plated terminals. Adjustable bias; switchable MPX filter; peak search; FL peak-display/level meters; auto rec mute; rec/play timer start; auto tape-bias selector; auto monitor; balance control; Compu Link system compatibility. FR 15-17,000 Hz ± 3 dB high bias; W&F 0.023%; crosstalk 60 dB and ch sep 40 dB at 1,000 Hz. 17 1/4 x 5 1/4 x 13 1/8 in; 12 lb. \$380

TD-R441TN Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse; full-logic controls; cassette-shell stabilizer; powered cassette lid; auto rec-level adjustment when connected to compatible CD player. Headphone jack; CD-direct input. Adjustable bias; FL peak-display/level meters; auto rec mute; rec/play timer start; auto tape-bias selector; balance control; Compu Link system compatibility. FR 30-15,000 Hz ± 3 dB high bias; W&F 0.08%; crosstalk 60 dB and ch sep 40 dB at 1,000 Hz. 17 1/4 x 5 1/4 x 13 1/8 in; 10 lb. \$260

Double Cassette Decks

TD-W805TN Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse rec/play in both decks; computer-controlled full-logic

controls; cassette-shell stabilizers; powered cassette lids; auto rec-level adjustment when connected to compatible CD player. Headphone jack. High-speed dubbing; adjustable bias for one deck; FL peak-display/level meters; auto/synchro rec mute; rec/play timer start; auto tape-bias selector; balance control; Compu Link system compatibility. FR 30-15,000 Hz ± 3 dB high bias; W&F 0.08%; crosstalk 60 dB and ch sep 40 dB at 1,000 Hz. 17 1/4 x 5 1/4 x 12 7/8 in; 12 lb. \$380

TD-W707TN Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse rec/play in both decks; computer-controlled full-logic controls; cassette-shell stabilizers; auto rec-level adjust when connected to compatible CD player. Mic input for mic mixing; headphone jack. High-speed dubbing; switchable FL peak-display/level meters; auto/synchro rec mute; auto tape-bias selector; balance and pitch controls; Compu Link system compatibility. FR 30-15,000 Hz ± 3 dB high bias; W&F 0.08%; crosstalk 60 dB and ch sep 40 dB at 1,000 Hz. 17 1/4 x 5 1/4 x 12 7/8 in; 11 lb. \$330

TD-W307TN Double Cassette Deck

Dolby B, C NR and HX Pro. Features one autoreverse rec/play deck, one play-only; full-logic controls; auto rec-level adjust when connected to compatible CD player. Mic input for mic mixing; headphone jack. High-speed dubbing; switchable FL peak-display/level meters; auto/synchro rec mute; auto tape-bias selector; pitch control; Compu Link system compatibility. FR 30-15,000 Hz ± 3 dB high bias; W&F 0.08%; crosstalk 60 dB and ch sep 40 dB at 1,000 Hz. 17 1/4 x 5 1/4 x 12 7/8 in; 11 lb. \$260

TD-W207TN Double Cassette Deck

Dolby B, C NR and 1 deck with HX Pro. Features autoreverse rec/play and play-only decks; computer-controlled full-logic controls; auto rec-level adjust when connected to compatible CD player. Headphone jack. High-speed dubbing; switchable FL peak-display/level meters; auto/synchro rec mute; auto tape-bias selector; Compu Link system compatibility. FR 30-15,000 Hz ± 3 dB high bias; W&F 0.08%; crosstalk 60 dB and ch sep 40 dB at 1,000 Hz. 17 1/4 x 5 1/4 x 12 7/8 in; 11 lb. \$215

Super Digifine Series

TD-V1050TN 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features high-density base, precision-finished aluminum die-cast tape-drive base, airtight cassette-lid sealing, and cassette-shell stabilizer; dual-capstan drive with direct-drive motor; PC-occ head coils; regulated, low-imp power supply. Headphone jack with volume control; CD-direct input. Adjustable bias and level calibration; FL display with auto shutoff during rec/playback, peak display, and level meters; time-remaining and elapsed-time displays; auto location of highest-rec-level; gold-plated terminals; balance control; remote control; Compu Link system compatibility. FR 15-19,000 Hz ± 3 dB high bias; W&F 0.022%. 17 7/8 x 5 3/4 x 13 1/4 in; 17 lb. \$700

DAT Decks

XD-Z1010TN DAT Deck

1-bit A/D converter with 4th-order noise shaping; four 18-bit D/A converters with 8x oversampling. Features long standard-play modes; independent power supplies for analog and digital sections; SCMS copy-protection system; K2 interface to reduce ripple and jitter. Analog RCA input; fixed- and variable-level analog RCA outputs; coaxial/fiber-optic digital inputs and outputs; headphone jack. Auto ID edit, source mixing with line or mic input; 48, 44.1, and 32-kHz sampling frequencies; digital level meters; digital fade-in/out; 2 repeat modes; Compu Link system compatibility; remote control. Frequency response 2-22,000 Hz ± 0.5 dB standard play, 2-14,500 Hz ± 0.5 dB long play; signal-to-noise 93 dB; total harmonic distortion 0.003% at 1,000 Hz (standard play). 17 1/4 x 5 3/4 x 14 3/8 in; 25 lb. \$1,700

T A P E D E C K S

XD-Z507TN DAT Deck

1-bit A/D converter with 4th-order noise shaping; PEM 1-bit D/A converter with 4th-order noise shaping. Features long standard-play mode; SCMS copy-protection system. Analog, fiber-optic, and coaxial inputs and outputs; headphone jack. Auto ID edit; 2 repeat modes; remote control. FR 2-22,000 Hz \pm 0.5 dB standard play, 2-14,500 Hz \pm 0.5 dB long play; S/N 91 dB standard play; THD 0.004% at 1,000 Hz standard play. 17 $\frac{1}{4}$ x 5 $\frac{3}{8}$ x 13 $\frac{1}{4}$ in; 16 lb \$1,000

KENWOOD

The following feature full-logic controls and separate UR record balance/level controls.

KX-7030 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features closed-loop dual-capstan drive; individual reel, capstan, and take-up motors; tape-path stabilizer; MPX filter. Auto bias adjustment; 3 bias presets; A/B repeat; CD peak search; timer rec/playback; program search; system remote-control compatibility. FR 20-19,999 Hz \pm 3 dB high bias; S/N (metal) 59 dB no NR, 67 dB Dolby B, 75 dB Dolby C; w&F 0.045% wrms. 17 $\frac{3}{8}$ x 5 x 12 $\frac{3}{4}$ in; 11 lb \$380

KX-5530 Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse; tape-path stabilizer; MPX filter. Auto bias adjustment; bias preset memory; synchro record with compatible cassette decks; A/B repeat; timer record/playback; program search; FL level meters; system remote-control compatibility \$300

Double Cassette Decks

The following feature synchro normal/high-speed record with compatible CD players and measure 17 $\frac{3}{8}$ x 5 $\frac{3}{8}$ x 10 $\frac{3}{8}$ in. Common specs: S/N 57 dB no NR, 65 dB Dolby B, and 72 dB Dolby C.

KX-W8040 Double Cassette Deck

Dolby B, C NR and HX Pro in both decks. Features two autoreverse rec/play decks; switchable MPX filter. Headphone jack. Simultaneous/sequential rec; relay play; auto bias adjustment for both decks; index scan for one deck; program search; blank skip; repeat; high-speed dubbing; auto tape-bias selector; FL rec-level meters; system remote-control compatibility. FR 20-19,000 Hz \pm 3 dB high bias; w&F 0.06% wrms. 11 lb \$380

KX-W6040. As above with Dolby HX Pro in one deck, single tape counter, auto MPX-filter switching. No auto bias adjustment, simultaneous rec, or blank skip. FR 20-18,000 Hz \pm 3 dB high bias; w&F 0.08% wrms. 10 lb \$300

KX-W5040 Double Cassette Deck

Dolby B and C NR in both decks. Features two autoreverse rec/play decks; auto MPX filter switching. Headphone jack. Relay play; LED rec-level meters; program search; repeat; index scan for one deck; high-speed tape dubbing; auto tape-bias selector; system remote-control compatibility. FR 20-18,000 Hz \pm 3 dB high bias; w&F 0.08% wrms. 10 lb \$280

KX-W4040 Double Cassette Deck

Dolby B and C NR in one deck. Features autoreverse in both decks; one rec/play deck, one play-only; switchable MPX filter. Headphone jack. Relay play; index scan for one deck; high-speed tape dubbing; auto tape-bias selector; system remote-control compatibility. FR 20-18,000 Hz \pm 3 dB high bias; w&F 0.08% wrms. 10 lb \$230

LUXMAN

The following cassette decks carry a 5-year parts-and-labor warranty.

K-331W Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse rec/play and play-only decks; 1 servo motor per deck; hexalamin play and rec/play heads; double-gap ferrite erase head; voltage-driven amplification; low-velocity

cam for head engagement; full-logic controls; Duo-Beta feedback circuitry; star topology. 1 input; independent outputs; headphone jack with volume control; DIN connector for remote control compatibility. Adjustable bias; built-in demagnetizer; rec-level and rec-balance controls; timer play; dual-deck simultaneous play; relay play; high-speed dubbing; switchable MPX filter; auto tape-bias selector. FR 40-16,000 Hz \pm 3 dB high bias; w&F 0.08% wrms. 17 $\frac{1}{4}$ x 5 x 13 $\frac{3}{8}$ in; 18 lb \$600

K-351 Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse; 2 motors; system bus connector; hexalamin rec/play head, double-gap ferrite erase head; voltage-driven amplification; Duo-Beta feedback circuitry. Music and blank search; auto mute; switchable MPX filter; auto tape-bias selector; one-touch rec with compatible CD players. 17 $\frac{1}{4}$ x 5 x 13 $\frac{3}{8}$ in \$600

K-110 Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse; 1 motor; hexalamin rec/play head; voltage-driven amplification; Duo-Beta feedback circuitry; double gap ferrite erase head; logic controls. 17 $\frac{1}{4}$ x 5 x 10 $\frac{3}{4}$ in \$480

K-321 Cassette Deck

Dolby B, C NR and HX Pro. Features servo motor; full-logic controls; hexalamin rec/play head; double-gap ferrite erase head; voltage-driven amplification; Duo-Beta feedback circuitry; star topology; low-velocity cam for head engagement. 2 mic inputs; headphone jack with volume control; DIN connector for remote control compatibility. Adjustable bias; built-in demagnetizer; timer play; auto tape-bias selector; rec-level and rec-balance controls; switchable MPX filter. FR 40-16,000 Hz \pm 3 dB high bias; w&F 0.08% wrms. 17 $\frac{1}{4}$ x 5 x 13 $\frac{3}{8}$ in; 15 lb \$420

MARANTZ

DD-92 DCC Deck

1-bit PDM D/A conversion; dual 64x-oversampling 18-bit A/D converters. Features analog-cassette playback compatibility with Dolby B and C NR; PASC digital coding; thin-film head technology; motor-driven volume control. Variable and fixed line-level outputs; RC-5 interface for remote-control compatibility with other Marantz components. DCC text-information display including track and timing for home recordings; real-time counter with absolute-, track-, and remaining-time displays; 5 switchable rec markers; 3 repeat modes; blank skip; program search; synchro record with compatible CD players; remote control. 32, 44.1, and 48 kHz sampling rates. Gold finish with die-cast alloy side panels \$1,199
Black finish \$1,099

SD-72 3-Head Cassette Deck

Dolby B, C NR and switchable HX Pro. Features dual-capstan closed-loop metal-alloy transport; one linear and two rotary motors; PC-OCC record and playback heads; dual-gap ferrite erase head; cassette stabilizer; switchable MPX filter. CD-direct input. Synchro rec with compatible CD players; manual bias adjustment; rec-calibration control of Dolby levels; rec-out selector; fluorescent peak-level display; peak hold; remote control. Frequency response 15-20,000 Hz \pm 3 dB high bias, no NR; signal-to-noise ratio 62 dBA high bias, no NR; ch sep 57 dB at 1,000 Hz; w&F 0.03% wrms. Gold finish with die-cast alloy side panels. 17 $\frac{3}{8}$ x 5 $\frac{3}{8}$ x 13 $\frac{3}{8}$ in; 23 lb \$599

SD-725 Double Cassette Deck

Dolby B, C NR and HX Pro in both decks. Features autoreverse rec/play in both decks; full-logic controls; end-of-tape detector; switchable MPX filter. Simultaneous and sequential rec; intro scan, program search, and blank skip for both decks; FL peak-level displays with peak hold; remote control. FR 20-18,000 Hz \pm 3 dB high bias; S/N 59 dB high bias, no NR; ch sep 56 dB at 1,000 Hz; w&F 0.06% wrms. Gold finish with die-cast alloy side panels. 17 $\frac{3}{8}$ x 4 $\frac{7}{8}$ x 11 $\frac{1}{4}$ in; 21 lb \$599

SD-525 Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse rec/play and play-only decks; full-logic controls; metal-alloy heads; dual-gap ferrite erase head; dc-servo-controlled capstans and reels; end-of-tape detector. Mic input; RC-5 interface for remote-control compatibility with other Marantz components. Synchro rec with compatible CD players; mic mixing capability; repeat for both decks; Intro scan; program search; blank skip; high-speed dubbing; switchable reverse mode; FL peak-level display with peak hold; remote control. S/N 60 dBA high bias, no NR; FR 20-17,000 Hz \pm 3 dB high bias, no NR; w&F 0.06% wrms. 16 $\frac{1}{2}$ x 4 $\frac{7}{8}$ x 11 in; 12 lb \$399

SD-62 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features PC-OCC heads; cassette stabilizer; dual-gap ferrite erase head. Synchro rec with compatible CD players; auto tape/source selector; bias adjustor; FL peak-level display with peak hold. FR 20-19,000 Hz \pm 3 dB high bias, no NR; S/N 61 dBA high bias, no NR; ch sep 56 dB at 1,000 Hz; w&F 0.04% wrms. 16 $\frac{1}{2}$ x 4 $\frac{7}{8}$ x 11 in; 11 lb \$399

SD-52R Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse; full-logic controls; dual-gap ferrite erase head; dc servo-controlled tape-drive motor and separate dc motor for fast winds; dynamically balanced flywheel; dual-azimuth head adjustment; switchable MPX filter. RC-5 interface for remote-control compatibility with other Marantz components. Synchro rec with compatible CD players; peak-level display with peak hold. FR 30-18,000 Hz \pm 3 dB high bias, no NR; S/N 59 dBA high bias, no NR; ch sep 56 dB at 1,000 Hz; THD 0.06% wrms. 16 $\frac{1}{2}$ x 4 $\frac{7}{8}$ x 11 in; 11 lb \$349
SD-52. As above, without autoreverse. Features bias adjustor. FR 30-20,000 Hz \pm 3 dB high bias, no NR \$299

MITSUBISHI

M-T5010 Double Cassette Deck

Dolby B, C NR and HX Pro. Autoreverse in both decks; twin amorphous heads. High-speed synchro dubbing; auto tape-bias selector; variable intro scan; program search; counter search; rec mute and menu repeat; blank skip; on-screen programming for A/V systems; remote control \$699

NAD

All models feature a Play Trim control, which is designed to optimize the high frequency characteristics of Dolby-encoded recordings.

Model 6100 Monitor Series Cassette Deck

Dolby B, C NR and HX Pro. Features Dyneq range expansion; full-logic controls. Car-stereo eq; fine bias adjustment; switchable MPX filter; remote control. Rack mountable. FR 30-19,000 Hz \pm 3 dB; S/N 57 dB no NR, 67 dB Dolby B, 77 dB Dolby C; w&F 0.06%. 17 $\frac{1}{8}$ x 4 $\frac{3}{4}$ x 10 $\frac{3}{4}$ in; 10 lb \$499

Model 6340. As above, without remote control. Not rack mountable. 16 $\frac{1}{2}$ x 4 $\frac{7}{8}$ x 10 $\frac{3}{8}$ in \$399

Model 6325 Cassette Deck

Dolby B and C NR. Features full-logic controls. Car-stereo eq. FR 35-16,000 Hz \pm 3 dB; S/N 56 dB no NR, 66 dB Dolby B, 76 dB Dolby C; w&F 0.06%. 16 $\frac{1}{2}$ x 4 $\frac{7}{8}$ x 10 $\frac{3}{8}$ in; 10 lb \$279

NAKAMICHI

Model 1000 DAT Deck

Features 4-head design for off-tape monitoring; microprocessor-controlled direct-drive reel motors. Indexing; high-speed program search; digital fader; remote control. Sampling frequencies: 48 kHz (rec/play), 44.1 kHz (play), 32 kHz (rec/play); 75-ohm coaxial/fiber-optic digital input/output. Coaxial and fiber-optic cable included. 17 $\frac{1}{8}$ x 5 $\frac{1}{4}$ x 14 $\frac{1}{8}$ in \$5,900
Model 1000p. Digital signal processor designed for above. 8x oversampling, 20-bit calibrated D/A con-

verters; 16-bit auto-calibrated A/D converter with 2x-oversampling digital filter. Digital glitch cancellation circuitry; 2-speed twin-PLL digital audio interface. Muting circuitry; phono loudness control; headphone jack; 32-segment level meter; cables. D/A converter: sampling frequencies 48, 44.1, 32 kHz; FR 5-20,000 Hz \pm 0.5 dB; THD 0.0005% at 1,000 Hz; S/N 106 dB; dynamic range 100 dB; ch sep 106 dB. A/D converter: sampling frequency 48 kHz; FR 5-22,000 Hz \pm 0.5 dB; S/N 95 dB; THD 0.001% at 1,000 Hz; dynamic range 95 dB; ch sep 85 dB. 17 $\frac{1}{8}$ x 5 $\frac{1}{4}$ x 14 $\frac{5}{8}$ in.; 38.5 lb\$6,000

Dragon 3-Head Cassette Deck

Dolby B, C NR. Features autoreverse; microprocessor control; auto azimuth-correction system; dual-gap ferrite/sandust erase head; asymmetrical transport; direct-drive motors; auto-retracting slot guides; tape-pad lifter; auto tape-slack-reducing mechanism. Headphone jack. Rec-level and bias-calibration controls with 2-tone oscillator; separate tape and EO switches; direct-coupled rec and play amps; 2-speed cueing; 2-speed master fader; auto rec pause; left, right, master input-level controls; output-level control; rec mute; defeatable infrasonic filter; electronic counter with memory stop and repeat. FR 20-22,000 Hz \pm 3 dB; S/N 66 dBA Dolby B, 72 dBA Dolby C; w&F 0.019%. 17 $\frac{3}{4}$ x 5 $\frac{1}{2}$ x 11 $\frac{3}{4}$ in.; 21 lb\$2,499
RM-20. Remote control for above\$50

CR 7A 3-Head Cassette Deck

Dolby B, C NR. Features asymmetrical dual-capstan transport; 3 motors; auto bias EQ; manual azimuth adjust. Headphone jack. Output-level control; memory stop/play; soft-touch controls; rec mute; auto and manual tape-bias/EO selection; auto fade; auto repeat; LED meters; elapsed-time counter; remaining-time counter; remote control. FR 18-21,000 Hz \pm 3 dB high bias; S/N (metal) 66 dB Dolby B, 72 dB Dolby C; w&F 0.027% wrms. 17 $\frac{1}{8}$ x 5 $\frac{1}{2}$ x 12 in.; 20 lb.\$1,849

RX-505 3-Head Cassette Deck

Dolby B, C NR. Features unidirectional autoreverse to eliminate bidirectional azimuth error; mechanism turns cassette over at end of side during recording or playback; asymmetrical dual-capstan closed-loop transport; auto fade; dc servo motors; soft-touch controls. Auto rec pause; LED peak-level meters; dual-speed master fader; punch-in rec; memory stop/play. FR 20-20,000 Hz \pm 3 dB; S/N (metal) 70 dB Dolby C; w&F 0.04%. 17 $\frac{3}{4}$ x 5 $\frac{3}{4}$ x 11 $\frac{3}{4}$ in.; 22 lb\$1,549
RX-202. 2-head version of above. w&F 0.06%. 17 $\frac{3}{4}$ x 5 $\frac{3}{4}$ x 10 in.; 20 lb\$879
RM-15. Remote control for above\$50

CassetteDeck1 Cassette Deck

Dolby B, C NR. Features multiregulated power supply; azimuth fine-tuning control; asymmetrical dual-capstan transport; dc servo capstan motor; defeatable MPX filter; silent mechanism; pressure-pad lifter; auto slack takeup; integrated construction of head and playback amp. Gold-plated input and output jacks. Bidirectional auto search; bias adjuster; auto repeat; timer rec/play; rec mute; output-level control; tape-bias selector with interlocked EO selection; system remote compatibility. FR 20-20,000 Hz \pm 3 dB; S/N (metal) 66 dBA Dolby B, 72 dBA Dolby C; w&F 0.035%; THD 0.9%. 17 x 4 x 12 $\frac{1}{2}$ in.; 13 lb\$879

CassetteDeck1.5 3-Head Cassette Deck

Dolby B, C NR. Features asymmetrical dual capstan, diffused-resonance transport; Crystalloy play and rec heads; pressure pad lifter. Bias adjuster. FR 20-21,000 Hz \pm 3 dB; S/N (metal) 72 dBA Dolby C; w&F 0.035%\$699

CassetteDeck2 Cassette Deck

Dolby B, C NR. Features dc servo capstan motor; multiregulated power supply; silent mechanism; defeatable MPX filter; pressure-pad lifter; auto slack take-up. Bidirectional auto-search; bias adjuster; auto repeat; timer rec/play; rec mute; tape-bias selector with interlocked EO selection; system remote compatibility. FR 20-20,000 Hz \pm 3 dB; S/N (metal) 64

dBA Dolby B, 70 dBA Dolby C; w&F 0.06%. 17 x 4 x 12 $\frac{1}{2}$ in.; 12 lb\$399

NIKKO

ND 150W Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse in both decks; full-logic controls. Relay play; high-speed dubbing; program search; auto tape-bias selector; rec level control; LED peak level meters. S/N 56 dB no NR; FR 27-17,000 Hz \pm 5 dB high bias; w&F 0.07% wrms. 16 $\frac{7}{8}$ x 5 x 10 in.; 11 lb\$229

ND 60W Double Cassette Deck

Dolby B NR. Autoreverse in one deck. Mic jack. Relay play; high-speed dubbing; auto tape-bias selector; rec-level control; LED peak-level meters. FR 20-15,000 Hz; S/N 54 dB no NR; w&F 0.12% wrms. 16 $\frac{7}{8}$ x 4 $\frac{7}{8}$ x 10 in.; 9 lb\$129

ND 55W Double Cassette Deck

Dolby B NR. Mic jack. Relay play; mic mixing; high-speed dubbing; auto tape-bias selector for one deck; rec-level control; LED peak-level meters. S/N 54 dB no NR; FR 40-14,000 Hz \pm 3 dB high bias; w&F 0.12% wrms. 16 $\frac{7}{8}$ x 4 $\frac{7}{8}$ x 10 in.; 9 lb\$139

ONKYO

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

Integra DT-901 DAT Deck

1-bit D/A converter. Features SCMS copy-protection system; centered cassette tray; aluminum die-cast chassis; direct drive head cylinder and capstans; amorphous heads; computerized servo processor. 400x fast wind and search; one-touch fade in/out; intro scan; direct track access; program search; remote control. Sampling frequencies 48, 44.1, and 32 kHz; FR 2-22,000 Hz; dynamic range 90 dB; S/N 90 dB; THD 0.0084%\$1,100

Integra TA-2800 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features 3-motor micro-computer-controlled transport; dual-capstan design; isolated transformer; low-imp linear power supply. Variable outputs. Forward/reverse program search; rec calibration; auto tape-bias selector; full-block repeat; switchable MPX filter; timer rec/play; FL peak-hold level indicators; remote control. Side panels optional. S/N 58 dB metal, no NR; FR 20-21,000 Hz metal; w&F 0.035% wrms\$650

Integra TA-207 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features 3-motor micro-computer-controlled transport; closed-loop dual-capstan drive; isolated transformer; low-imp linear switching power supply; discrete low-noise, low-imp power-supply regulators. Synchro rec with compatible CD players; repeat; program search; auto tape-bias selector; switchable MPX filter; FL display with peak-level meter; auto spacing; peak hold; remote control. FR 20-20,000 Hz metal; S/N 60 dB metal, no NR; w&F 0.04% wrms\$530

Integra TA-R500 Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse; 3-motor transport; full-logic controls; 3 independent power supplies; low-imp linear-switching power supply for audio path. Auto tape-bias selector; switchable MPX filter; FL peak-hold level indicators; auto spacing; mute; program search; block repeat; remote control\$450

TA-R401 Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse; 2-motor transport; full-logic controls. Auto tape-bias selector; synchro rec with compatible CD players; program search; auto spacing; switchable MPX filter, timer, and reverse mode; single-block repeat; master and balance input controls; FL display; 4-digit electronic counter; peak-level indicator; remote control. FR 20-19,000 Hz metal; S/N 58 dB metal, no NR; w&F 0.07% wrms. 17 $\frac{1}{8}$ x 4 $\frac{3}{4}$ x 12 $\frac{1}{8}$ in.; 11 lb\$380

TA-203 Cassette Deck

Dolby B, C NR and HX Pro. Features 2-motor transport; full-logic controls. Headphone jack. Synchro rec with compatible CD players; auto tape-bias selector; full/block repeat; switchable auto spacing and MPX filter; master and balance input-level controls; FL display with peak-level indicator; peak hold. FR 20-19,000 Hz metal; S/N 58 dB metal, no NR; w&F 0.07% wrms. 17 $\frac{1}{8}$ x 4 $\frac{3}{4}$ x 12 $\frac{1}{8}$ in.; 12 lb\$320

TA-R301 Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse; 2-motor transport; full-logic controls. Headphone jack. Synchro rec with compatible CD players; auto tape-bias selector; block repeat; switchable auto spacing, reverse mode, and MPX filter; master and balance input-level controls; peak hold; FL display with peak-level indicator. FR 20-19,000 Hz metal; S/N 58 dB metal, no NR; w&F 0.07% wrms. 17 $\frac{1}{8}$ x 4 $\frac{3}{4}$ x 12 $\frac{1}{8}$ in.; 11 lb\$280

TA-201 Cassette Deck

Dolby B, C NR and HX Pro. Features 2-motor transport; full-logic controls. Headphone jack. Synchro rec with compatible CD players; auto tape-bias selector; full/block repeat; switchable auto spacing and MPX filter; input level and balance controls; FL display with peak-level indicator; peak hold; remote control. FR 20-19,000 Hz; S/N 58 dB metal, no NR; w&F 0.07% wrms. 17 $\frac{1}{8}$ x 4 $\frac{3}{4}$ x 12 $\frac{1}{8}$ in.; 11 lb\$230

Double Cassette Decks

Integra TA-RW909 Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse play/record for both decks; full-logic controls; 3 motors per transport; copper-plated chassis; powered cassette loading. Headphone jack with volume control. Random play; repeat; simultaneous recording; relay play; synchro rec with compatible CD players; blank skip; programmable program search; high-speed dubbing; switchable auto spacing; auto tape-bias selector; input level and balance controls; switchable reverse mode; FL display; LED peak meter; remote control\$700

TA-RW5#5 Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse play/rec in both decks; full-logic controls; 2 motors per transport. Headphone jack. Simultaneous rec; synchro rec with compatible CD players; switchable auto spacing and reverse mode; auto tape-bias selector; continuous play; high-speed dubbing; input level and balance controls; program search; repeat\$400

TA-RW404 Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse in both decks; 2 motors per transport; full-logic controls. Headphone jack. Continuous play; synchro rec with compatible CD players; switchable auto spacing; input-level control; high-speed dubbing; switchable reverse mode; auto tape-bias selector; LED peak meter\$300

TA-W202 Double Cassette Deck

Dolby B, C NR and HX Pro. Features 2 motors per transport; full-logic controls. Headphone jack. Synchro rec with compatible CD players; auto tape-bias selector; relay play; high-speed dubbing; full/block repeat; input-level control; peak hold; switchable auto spacing and MPX filter; LED peak meter. FR 20-17,000 Hz; S/N 58 dB metal, no NR; w&F 0.07% wrms. 17 $\frac{1}{8}$ x 4 $\frac{3}{4}$ x 12 $\frac{1}{8}$ in.; 12 lb\$240

OPTIMUS BY RADIO SHACK

DCT-2000 DCC Deck

54x oversampling, dual A/D and D/A converters. Features analog-cassette playback compatibility with Dolby B and C NR; 90-minute rec time with DCC. Fiber-optic and coaxial digital inputs and outputs; analog inputs. Program search; 12-character text display; total/selection elapsed- and remaining-time displays. DCC: FR 5-20,000 Hz \pm 0.5 dB; THD

T A P E D E C K S

0.003%; s/n 105 dBa; ch sep 85 dB Analog; FR 20-17,000 Hz \pm 3 dB; s/n 63 dB Dolby B, 71 dB Dolby C. w&F 0.07% wrms \$NA

SCT-37 Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse. Mic input; headphone jack. Relay play; synchro high-speed dubbing; auto tape-bias selector; rec-mute button; rec level meter. w&F 0.06%; s/n 78 dB Dolby C. 4 1/2 x 17 x 10 in \$251

SCT-36. As above, without Dolby HX Pro \$200

SCT-39 Double Cassette Deck

Dolby B, C NR and HX Pro. Features metal-bias compatibility. Mic input; headphone jack. Relay play; high-speed dubbing; dual rec-level meters. FR 60-13,000 Hz high bias; s/n (high bias) 52 dB no NR, 62 dB Dolby B, 70 dB Dolby C; w&F 0.15% wrms. 17 x 4 1/2 x 8 1/2 in; 9 lb \$170

SCT-38 Double Cassette Deck

Dolby B NR. Features metal-bias compatibility. Line-level input and output; mic input; headphone jack. Relay play; high-speed synchro-start dubbing; dual rec-level meters. Frequency response 60-13,000 Hz \pm 3 dB high bias; signal-to-noise ratio 54 dB no NR, 62 dB Dolby B, wow-and-flutter 0.12% wrms. 16 1/2 x 4 7/8 x 8 in; 7 lb \$140

SCT-32 Cassette Deck

Dolby B NR. Autoreverse; metal/high-bias selector. 3 3/8 x 8 1/4 x 5 5/8 in \$100

SCP-31. As above, without Dolby B or autoreverse \$50

PARASOUND

D/HX-550 Cassette Deck

Dolby B, C NR and HX Pro. Features play trim; hard-alloy head; polystyrene capacitors. FR 20-19,000 Hz; s/n 67 dB Dolby B, 78 dB Dolby C; input imp 30 kilohms, output imp 600 ohms. 17 1/4 x 4 3/8 x 10 in; 12 lb \$265

PHILIPS

The following feature Philips' Enhanced System Intelligence bus that enables communication among 900 Series components.

DCC900 DCC Deck

1-bit Bitstream A/D and D/A conversion. Features analog-cassette playback compatibility with Dolby B and C NR; autoreverse; PASC digital coding; motor-driven tray loading. Headphone jack with volume control. 12-character FL text-information display; synchro record with compatible CD players; record balance and level controls; timer record/playback; level meters; remote control \$799

FC-950 3-Head Cassette Deck

Dolby B, C, NR and HX Pro. Features full-logic controls. Headphone jack with level control. Switchable MPX; adjustable bias control; synchro rec with compatible CD players; electronic counter; FL display \$420

FC-930 Double Cassette Deck

Dolby B, C NR and HX Pro. Features full-logic controls; autoreverse in both decks. Headphone jack, synchro record with compatible CD players; electronic counter; FL display \$280

FC-910. As above, with autoreverse in one deck; without Dolby C \$230

PIONEER

Auto BLE refers to Pioneer's computer-controlled automatic bias, level, and equalization optimization. Super Auto BLE is an upgraded version. All models, including the Elite Series, feature synchro record with compatible CD players, an auto tape-bias selector, auto space recording, program search, timer record/playback, and SR-system remote-control compatibility.

CT-S410 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features cassette stabilizer; switchable MPX filter. Headphone jack. Super Auto BLE; switchable rec-eo boosts for bass, treble, or both; repeat; FL level meters with peak hold. w&F 0.05% wrms; FR 20-19,000 Hz high bias; s/n 59 dB no NR. 16 5/8 x 5 x 10 3/4 in; 10 lb \$390

CT-S601R Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse; MPX filter. Headphone jack. Auto BLE; FL level meters with peak hold. w&F 0.055% wrms; FR 25-18,000 Hz high bias; s/n 57 dB no NR. 16 5/8 x 5 x 10 3/4 in; 9 lb \$320

Double Cassette Decks

CT-W901R Double Cassette Deck

Dolby B, C NR and HX Pro for both decks. Features autoreverse rec/play in both decks; cassette stabilizer; switchable MPX filter. Headphone jack. Independent NR selection for each deck; Auto BLE for both decks; synchro high-speed dubbing; simultaneous rec; relay rec/play; blank skip; FL level meters with peak hold. w&F 0.055% wrms; FR 20-19,000 Hz high bias; s/n 57 dB no NR. 16 5/8 x 5 3/8 x 12 5/8 in; 13 lb \$520

CT-W801R Double Cassette Deck

Dolby B, C NR and HX Pro for in decks. Features autoreverse rec/play for both decks; MPX filter. L/R mic inputs; headphone jack. Super Auto BLE for both decks; switchable EQ-rec settings for portables and car stereos; synchro high-speed dubbing; simultaneous rec; relay rec/play; blank skip; FL level meters with peak hold. w&F 0.09% wrms; FR 25-19,000 Hz high bias; s/n 57 dB no NR. 16 5/8 x 5 3/8 x 10 1/2 in; 10 lb \$390

CT-701R. As above, without simultaneous rec or mic inputs. 16 5/8 x 5 1/8 x 10 1/2 in; 10 lb \$365

CT-W601R Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse in both decks; one rec/play deck, one play-only; MPX filter. Headphone jack. Auto BLE; switchable EQ-rec settings for portables and car stereos; synchro high-speed dubbing; relay play; blank skip; FL level meters with peak hold. w&F 0.09% wrms; FR 25-16,000 Hz high bias; s/n 57 dB no NR \$330

CT-W501R. As above, without BLE, switchable EQ-rec settings, FL level meters, and peak hold. Features 3-digit mechanical counter; LED level meters. 16 5/8 x 4 3/4 x 10 1/2 in; 9 lb \$265

CT-W451R Double Cassette Deck

Dolby B, C NR and HX Pro. Features one autoreverse rec/play deck, one play-only; MPX filter. High-speed tape dubbing; relay play; blank skip; repeat for one deck; LED level meters. w&F 0.1% wrms; FR 30-16,000 Hz high bias; s/n 56 dB no NR. 16 5/8 x 4 3/4 x 10 1/2 in; 9 lb \$240

CT-W401R. As above, with autoreverse in both decks. No Dolby HX Pro \$240

CT-W351R Double Cassette Deck

Dolby B, C NR. Features one autoreverse rec/play deck, one play-only; MPX filter. Relay play; high-speed dubbing; blank skip; repeat play for both decks; LED level meters. w&F 0.1% wrms; FR 30-16,000 Hz high bias; s/n 56 dB no NR. 16 5/8 x 4 3/4 x 10 1/2 in; 9 lb \$215

CT-301. As above, without autoreverse. Features Dolby HX Pro \$215

Multicassette Decks

CT-WM70R 7-Cassette Changer

Dolby B, C NR and HX Pro. Features 6-cassette internal magazine plus single-cassette transport; autoreverse; MPX filter. Headphone jack. NR memory for each cassette; ability to dub programmed songs from changer to single-cassette transport; relay rec from changer to single-cassette transport with auto spacing; high-speed synchro dubbing; continuous 6-cassette relay play/rec; intro scan; random play; blank skip; 6-cassette simultaneous rewind; FL level

meter with peak hold; SR-system remote control. w&F 0.09% wrms; FR 20-18,000 Hz high bias; s/n 58 dB no NR. 16 5/8 x 5 3/8 x 14 3/8 in; 16 lb \$510

CT-WM60R. As above, without programmed sequence dubbing. 6-cassette relay rec, headphone jack, or remote control \$450

CT-M50R 6-Cassette Changer

Dolby B, C NR. Features 6-cassette internal magazine; autoreverse; MPX filter. Continuous 6-cassette relay rec play; 6-cassette simultaneous rewind; intro scan; random play; blank skip; rec-level balance control; FL level meter with peak hold. w&F 0.055% wrms; FR 20-18,000 Hz high bias; s/n 58 dB no NR. 16 5/8 x 5 3/8 x 14 3/8 in; 16 lb \$380

Elite Series

CT-93 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features bias oscillator; closed-loop dual-capstan drive; 3 motors; cassette stabilizer; powered loading and eject; digital tape-tension servo. Headphone jack with volume control. Super Auto BLE; peak-level calibration system; manual bias control; FL level meters with peak hold and meter range. w&F 0.022%; FR 15-21,000 Hz high bias; s/n 61 dB no NR. 18 x 5 3/8 x 14 3/8 in; 24 lb \$1,200

CT-42 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features dual-capstan design; 3 motors; front-panel-centered cassette well; digital tension control; cassette and panel stabilizers; isolated door; powered load/eject; MPX filter. Headphone jack with volume control. Super Auto BLE; adjustable bias; repeat play; FL level meters with peak hold and selectable meter range; SR-system remote control. w&F 0.023%; FR 15-21,000 Hz high bias; s/n 60 dB no NR. 17 3/8 x 5 3/4 x 14 3/4 in \$850

CT-W51 Double Cassette Deck

Dolby B, C NR and HX Pro in both decks. Features autoreverse rec/play in both decks. Headphone jack. Independent Auto BLE for each deck; simultaneous rec; relay rec/play; blank skip; high-speed dubbing; FL level meters with peak hold. w&F 0.055%; s/n 57 dB no NR. 16 5/8 x 5 3/8 x 12 5/8 in; 13 lb \$570

PROTON

AD-630 Cassette Deck

Dolby B, C NR, HX Pro, and dbx. Features autoreverse; 3-motor ic-logic mechanism; horizontal-loading tape drawer; switchable MPX filter; auto bias optimization; real-time counter. Headphone jack; mic inputs. AB repeat; program search, output-level control, bias selector; rec mute; rec-level meter. Compatible with AH-681 remote control. w&F 0.05%; s/n (high-bias) 54 dB no NR, 65 dB Dolby B, 75 dB Dolby C. FR 30-18,000 Hz \pm 3 dB high bias \$800

AD-431 Cassette Deck

Dolby B, C NR and HX Pro. Features Permalloy heads; autoreverse. Headphone jack. Digital counter; auto program search; switchable MPX filter. Remote compatible with AV-445 receiver. w&F 0.06%; s/n (high bias) 56 dB no NR, 66 dB Dolby B, 70 dB Dolby C. FR 30-17,000 Hz \pm 3 dB high bias \$300

REALISTIC BY RADIO SHACK

SCT-86 Cassette Deck

Dolby B NR. Features L/R rec-level controls; tape-bias selector. FR 60-12,500 Hz \pm 6 dB; s/n 52 dB Dolby B; w&F 0.15%. 9 x 4 5/8 x 5 3/4 in; 4 lb \$90

REVOX

B77 MkII Open-Reel Tape Deck

Features 2 speeds (3.75 ips and 7.5 ips); 10 1/2-in reel capacity; logic controls; built-in tape cutter; provision for remote control of all functions and electric-timer operation; connectors for remote control of variable tape speed and slide projector or cross-fade unit. Front-panel variable speed control \pm 10%; dual vu

meters with peak-level indicators; separate L/R record and input controls; tape-monitor switch. FR 30-16,000 Hz \pm 2, -3 dB at 3.75 ips, 30-20,000 Hz at 7.5 ips; w&F 0.1% at 3.75 ips, 0.08% at 7.5 ips; s/N 64 dB at 3.75 ips, 67 dB at 7.5 ips. Available in high-speed, low-speed, super low-speed, 2 and 4-track versions. 1 1/4 x 1 7/8 x 8 1/2 in; 8 lb \$2,995

ROTEL

RD965BX Cassette Deck

Dolby B, C NR and HX Pro. Features soft-touch full-logic controls; 2-motor transport. Rec mute; switchable MPX filter; bias adjustor; L/R rec level meters. Wow-and-flutter 0.035% wrms; signal-to-noise ratio (high bias) 55 dB no NR, 65 dB Dolby B, 75 dB Dolby C; frequency response 30-18,000 Hz \pm 3 dB metal. 1 7/8 x 4 7/8 x 13 in; 11 lb \$400

RD955AX Cassette Deck

Dolby B, C NR and HX Pro. Features soft-touch full-logic controls; 2-motor transport. Switchable MPX filter, level meters, rec balance. w&F 0.035% wrms; s/N (high bias) 55 dB no NR, 64 dB Dolby B, 73 dB Dolby C; FR 30-18,000 Hz \pm 3 dB metal. 1 7/8 x 4 7/8 x 11 1/4 in; 10 lb \$350

SANSUI

D-X317WR Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse in both decks, rec in 1 deck; full-logic controls. Gold-plated headphone jack; CD-direct input. 16-song program search; auto rec mute; auto tape-bias selector; bias fine tuning; switchable MPX filter; blank skip; high-speed dubbing; relay play; auto or manual rec-level control; rec/play timer; FL peak-level indicator; remote-control compatibility. FR 20-19,000 Hz \pm 3 dB metal; s/N (metal) 58 dB no NR, 75 dB Dolby C. 17 x 5 x 10 7/8 in; 11 lb \$349

D-X117WR Cassette Deck

Dolby B, C NR and HX Pro. Autoreverse. Switchable MPX filter; program search; auto rec mute; peak-level indicator; synchro high-speed dubbing. FR 20-20,000 Hz metal; s/N (metal) 58 dB no NR, 65 dB Dolby B, 75 dB Dolby C; w&F 0.09% wrms. 17 x 5 x 10 1/4 in; 11 lb \$270

D-X117HX Cassette Deck

Dolby B, C NR and HX Pro. Full-logic controls. Headphone jack; CD-direct input. Auto tape-bias selector; bias adjustor; switchable MPX filter; high-speed dubbing; rec-level control; rec/play timer; LED meter; remote control compatibility. FR 20-20,000 Hz \pm 3 dB metal; s/N (metal) 58 dB no NR, 75 dB Dolby C. 17 x 5 x 10 1/4 in; 8 lb \$229

D-790WR Double Cassette Deck

Dolby B NR. Features autoreverse rec/play in one deck; full-logic controls. Program search; auto tape-bias selector; high-speed dubbing; LED peak-level meters; auto rec mute; program search; repeat; rec/play timer; LED peak-level meters. Frequency response 20-18,000 Hz \pm 3 dB metal; signal-to-noise ratio (metal) 58 dB no noise reduction, 65 dB Dolby B. 17 x 5 3/8 x 9 1/8 in; 9 lb \$215
D-590W. As above, no program search or full-logic controls. Features rec-level control \$139

SHARP

RX-P1 Portable DAT Deck

1-bit A/D converter, dual 1-bit D/A converters. Features 5 rechargeable batteries for A/D converter; subcode recording system; selectable 32, 44.1, and 48 kHz sampling frequencies. Coaxial digital output/input; analog output/input. Cue review; repeat play; program search; timer record/playback; wired remote control. Includes carrying case, AC adaptor, and stalk-mount for car use. FR 5-22,000 Hz; dynamic range 90 dB; ch sep 80 dB and s/N 90 dB at 1,000 Hz, 0 dB; distortion 0.009% at 1,000 Hz, 0 dB. Main unit: 3 3/8 x 1 1/2 x 4 7/8 in; 15 oz. Main unit with A/D converter: 3 3/8 x 1 1/2 x 6 7/8 in; 1.5 lb \$1,500

SHERWOOD

DD-4010C Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse rec/play in one deck; 2-motor design for each deck. Headphone jack. Relay play; blank skip; high-speed dubbing; auto program search; synchro rec and dub; timer rec/play; mic input with mixing control; auto tape-bias selector; Sherwood Digi-Link II system remote-control compatibility. FR 25-16,000 Hz \pm 3 dB high bias; s/N: 65 dB Dolby B, 74 dB Dolby C. 17 1/4 x 5 x 9 5/8 in; 12 lb \$250

DD-3010C Double Cassette Deck

Dolby B, C, NR and HX Pro. Features autoreverse rec/play in one deck; 2-motor design for each deck; full-logic controls. Headphone jack; mic input. Program search; blank skip; relay play; synchro rec and dub; timer rec/play; auto tape-bias selector; Sherwood Digi-Link II system remote-control compatibility. FR 35-16,000 Hz \pm 3 dB high bias; s/N 64 dB Dolby B, 73 dB Dolby C; w&F 0.07% \$225

DD-2010C Double Cassette Deck

Dolby B, C NR. Headphone jack. Relay play; high-speed dubbing; synchro rec and dub; auto tape-bias selector; rec-level meter. FR 35-15,500 Hz \pm 3 dB high-bias; s/N 63 dB Dolby B, 72 dB Dolby C; w&F 0.08%. 17 1/4 x 5 x 9 5/8 in; 9 lb \$140
DD-1010C. As above, without Dolby C \$120

SONY

DTC-670 DAT Deck

Pulse-type A/D conversion. Features 3-motor transport; SCMS copy-protection system; powered cassette loading; 30-mm stainless-steel head; auto sampling-rate selection; multiregulated power supply. Fiber-optic and coaxial digital inputs and outputs; RCA inputs and outputs. User subcoding; 60-track programming; auto renumber; 2 repeat modes; long/standard-play modes; 200/400x fast winds; auto rewind; direct track access; monitoring capability; timer record/playback; FL display with level meter and absolute-, program-, and remaining-time displays; remote control. 32-, 44.1-, and 48-kHz sampling frequencies; FR 2-22,000 Hz \pm 0.5 dB standard play, 2-14,500 Hz \pm 0.05 dB long play; s/N 90 dB; dynamic range 90 dB; THD 0.005% standard play, 0.08% long play. 17 x 4 7/8 x 13 3/4 in; 16 lb \$750

TC-C5 5-Cassette Changer

Dolby B, C NR and HX Pro. Features 5-cassette internal magazine; autoreverse rec/play; laser amorphous heads; 5 motors. Programmable playback sequence; relay rec/play; 5-cassette rewind; synchro record with compatible CD players; program search, variable rec level; direct tape access from front-panel or remote control; random play; blank skip; program search; rec mute; timer record/play; remote control. FR 20-19,000 Hz metal; w&F 0.06% wrms; s/N (metal) 59 dB no NR, 74 dB Dolby C. 17 x 5 3/8 x 3 7/8 in; 15 lb \$NA

Double Cassette Decks

The following feature full-logic controls, high-density Permalloy heads, an MPX filter, normal/high-speed dubbing, relay play, and rec mute.

TC-WR875 Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse rec/play for both decks; 3 motors per transport; powered cassette loading; cassette stabilizer. Headphone jack with volume control. Manual bias control for one deck; simultaneous/relay rec; program search; auto tape-bias selector; rec-level and balance controls; FL display with level meters; blank skip; auto pause; timer rec/play; remote-control compatibility with most Sony receivers. FR 30-18,000 Hz metal; w&F 0.06% wrms; s/N (metal) 58 dB no NR, 78 dB Dolby C. 17 x 4 3/4 x 11 1/4 in; 12 lb \$480

TC-WR790 Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse rec/play in both decks. Headphone jack. Independent NR

selection for each deck; simultaneous/relay rec; program search; dubbing-level, rec-level, and balance controls; FL display with level meters. FR 30-19,000 Hz metal; w&F 0.07% wrms; s/N (metal) 58 dB no NR, 78 dB Dolby C. 17 x 4 7/8 x 11 1/4 in; 10 lb \$380

TC-WR690 Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse rec/play in both decks. Headphone jack. Simultaneous/relay rec; program search; rec-level and balance controls; FL display level meters; remote control. FR 30-18,000 Hz metal; w&F 0.07% wrms; s/N (metal) 58 dB no NR, 78 dB Dolby C. 17 x 4 7/8 x 11 1/4 in; 10 lb \$300

TC-WR590 Double Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse in both decks; one rec/play deck, one play-only. Headphone jack. Rec-level and balance controls; FL display with level meters; remote-control compatibility with most Sony receivers. FR 30-18,000 Hz metal; w&F 0.08% wrms; s/N (metal) 58 dB no NR, 78 dB Dolby C. 17 x 4 7/8 x 11 1/4 in; 10 lb \$250
TC-WR490. As above, without autoreverse... \$210

Single Cassette Decks

The following, except TC-FX170, feature full-logic controls, a cassette stabilizer, an MPX filter, program search, and record mute.

TC-K69# 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features closed-loop dual-capstan drive; 3 motors; PC-OCC heads; ceramic cassette holder; powered head block and cassette loading; switchable MPX filter. Headphone jack with volume control. Manual rec-level, bias, and balance controls with test-tone generator; timer rec/play; FL display with level meters; remote-control compatibility with most Sony receivers. FR 20-20,000 Hz metal; w&F 0.05% wrms; s/N (metal) 60 dB no NR, 80 dB Dolby C. 17 x 4 7/8 x 11 7/8 in; 11 lb \$350

TC-RX390 Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse; dual-capstan drive; Permalloy heads. Headphone jack. Manual bias, balance, and rec-level controls; FL display; remote-control compatibility with most Sony receivers. FR 30-15,000 Hz metal; w&F 0.07% wrms; s/N (metal) 58 dB no NR, 78 dB Dolby C. 17 x 4 7/8 x 11 7/8 in; 9 lb \$240

TC-FX170 Cassette Deck

Dolby B, C NR. Features Permalloy heads; MPX filter. Headphone jack. Manual bias, rec-level and balance controls; LED level meters. FR 30-15,000 Hz metal; w&F 0.11% wrms; s/N (metal) 58 dB no NR, 68 dB Dolby C. 17 x 5 3/8 x 11 3/4 in; 10 lb \$130

ES Series

The following feature full-logic controls, pure-copper wiring, a switchable MPX filter, a headphone jack with volume control, gold-plated inputs/outputs, program search, and remote-control capability.

DTC-87ES DAT Deck

Pulse A/D converter. 1-bit D/A conversion. Features 4 heads; 4-motor transport; SCMS copy-protection system; glass-epoxy circuit boards; separate transformers for analog and digital sections; copper-shielded chassis; optical start/end-of-tape sensor; standard- and long-play modes. Fiber-optic, coaxial, and analog inputs and outputs, headphone jack with volume control. Tape-monitoring capability; auto/manual ID subcoding; recording tape stamp; 200x fast search; 60-track programming; synchro record with compatible CD players; direct track access; variable fader; 3 repeat modes; absolute/relative time search; program search; skip; timer record/playback; record mute; level meters; 4 time-display modes; remote control. 32-, 44.1-, or 48-kHz sampling rates; FR 2-22,000 Hz \pm 0.5 dB; s/N 94 dB; dynamic range 94 dB; distortion 0.0045% standard play, 0.08% long play. Simulated-wood side panels. 18 1/2 x 5 3/8 x 14 in; 24.3 lb \$1,800

T A P E D E C K S

DTC-59ES. As above, with 2 heads, 3-motor transport, and 2 repeat modes. *S/N* 93 dB; dynamic range 93 dB. 18½ x 3¾ x 14 in; 18 lb \$800

TC-K890ES 3-Head Cassette Deck

Dolby B, C NR and switchable HX Pro. Features 3 motors; closed-loop dual-capstan drive; laser amorphous heads with PC-OCC wiring; sapphire motor bearings; cassette stabilizer; powered head block and cassette loading. CD-direct input. Manual rec-level and bias controls with test-tone generator, balance control; timer rec/play; FL display with level meters and linear counter with memory. FR 15-22,000 Hz metal; *S/N* (metal) 61 dB no NR, 76 dB Dolby C; *w&F* 0.024%. Simulated-wood side panels. 18½ x 5½ x 13¾ in; 18 lb \$650

TC-WR99ES Double Cassette Deck

Dolby B, C NR and HX Pro in both decks. Features autoreverse rec/play in both decks; laser amorphous heads with PC-OCC wiring; 3 motors per transport; cassette stabilizers; powered cassette loading. Independent NR selection for each deck; relay play; simultaneous sequential rec; pitch control; separate bias controls for each deck; fader; normal/high-speed dubbing with level control; blank skip; rec mute; auto pause; timer rec/play; FL display. FR 20-20,000 Hz metal; *S/N* (metal) 59 dB no NR, 74 dB Dolby C; *w&F* 0.06%. Simulated-wood side panels. 18½ x 5¾ x 13¾ in; 17 lb \$600

TC-K679ES 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features 3 motors; closed-loop dual-capstan drive; laser amorphous heads with PC-OCC wiring; cassette stabilizer; powered head block and cassette loading. CD-direct input. Manual rec-level and bias controls with test-tone generator; timer rec/play; defeatable FL display with level meters and linear counter with memory; balance control. FR 20-21,000 Hz metal; *S/N* (metal) 60 dB no NR, 75 dB Dolby C; *w&F* 0.05%. 17 x 14¾ x 11¾ in; 11 lb \$430

TC-RX79ES Cassette Deck

Dolby B, C NR and HX Pro. Features autoreverse; 3 motors; laser amorphous head with PC-OCC wiring; cassette stabilizer; powered head block and cassette loading. Front-panel L/R mic inputs. Manual rec-level and bias controls; timer rec/play; defeatable FL display with level meters and linear counter with memory; balance and fader controls. FR 25-20,000 Hz metal; *S/N* (metal) 59 dB no NR, 74 dB Dolby C; *w&F* 0.06%. 17 x 4¾ x 11¼ in; 10 lb \$430

TC-WR87ES Double Cassette Deck

Dolby B, C NR and HX Pro in both decks. Features autoreverse rec/play in both decks; laser amorphous heads with PC-OCC wiring. Relay play; simultaneous/sequential rec; bias control for one deck; high-speed dubbing; blank skip; auto pause; rec mute; timer rec/play; FL display; 2 linear counters with memory. FR 30-20,000 Hz metal; *S/N* (metal) 59 dB no NR, 74 dB Dolby C; *w&F* 0.07%. 17 x 5¾ x 11¾ in \$430

TEAC

V-8000S 3-Head Cassette Deck

Dolby B, S, C NR and HX Pro. Features quartz-locked dual-capstan drive; front-panel-centered cassette well; 5 shielded circuit blocks; anti-static cassette stabilizer; PC-OCC head wiring. Gold-plated line-level inputs and outputs; CD-direct input; headphone jack with volume control. Independent L/R ch bias and level controls; ±25% bias range; synchro rec with compatible CD players; test oscillator; rec mute with auto spacing; return-to-zero memory; auto tape-bias selector; rec/play timer; remote control. FR 15-20,000 Hz ±3 dB high bias; *S/N* 70 dB Dolby B, 80 dB Dolby C, 84 dB Dolby S; *w&F* 0.022%. 18¾ x 5¾ x 14 in; 24 lb \$1,300

V-7010 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features copper-plated steel chassis; cobalt-amorphous head with PC-OCC wiring; die-cast zinc-alloy head block; front-panel-

centered cassette well; quartz-locked dual-capstan system. CD-direct input; gold-plated line-level inputs and outputs; headphone jack with volume control. Power-assisted load/eject; synchro rec with compatible CD players; program search; L/R peak meters with peak hold; CD level check; auto monitor; rec mute with auto spacing; independent L/R ch bias and level controls; test oscillator; return-to-zero memory; master rec-level and L/R balance controls; auto tape-bias selector; rec playback timer; remote control. FR 15-20,000 Hz ±3 dB high bias; *S/N* 70 dB Dolby B, 80 dB Dolby C; *w&F* 0.022% wrms \$1,000

V-5010 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features copper-plated steel chassis; cobalt-amorphous head with PC-OCC wiring; die-cast zinc-alloy head block; front-panel-centered cassette mounted transport; closed dual-capstan system; anti-static cassette stabilizer. CD-direct input and selector; gold-plated line-level inputs and outputs; headphone jack with volume control. Power-assisted load/eject; synchro rec with compatible CD players; program search; L/R peak meters; switchable MPX filter; CD level check; auto monitor; rec mute with auto spacing; independent L/R ch bias and level controls; return-to-zero memory; master rec-level and L/R balance controls; auto tape-bias selector; rec play timer; remote control. FR 15-20,000 Hz ±3 dB high bias; *S/N* 70 dB Dolby B, 80 dB Dolby C; *w&F* 0.027% wrms. 17½ x 5¾ x 14 in \$790

V-3010 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features copper-plated steel chassis; cobalt-amorphous head with PC-OCC wiring; die-cast zinc-alloy head block; front-panel-centered cassette well; anti-static cassette stabilizer. Gold-plated line-level inputs and outputs; CD-direct input; headphone jack with volume control. L/R peak meters; electronic counter; switchable MPX filter; auto monitor; rec mute with auto spacing; manual bias adjustment; master rec-level and L/R balance controls; auto tape-bias selector; rec play timer; remote control. FR 15-20,000 Hz ±3 dB high bias; *S/N* 70 dB Dolby B, 80 dB Dolby C; *w&F* 0.045% wrms. 17½ x 5¾ x 14 in; 15 lb \$620

V-1010 3-Head Cassette Deck

Dolby B, C NR and HX Pro. Features Permalloy heads with PC-OCC wiring; die-cast zinc-alloy head block; front-panel-centered cassette well. Line-level inputs and outputs; CD-direct input; headphone jack with volume control. L/R peak meters; electronic counter; switchable MPX filter; auto monitor; rec mute with auto spacing; manual bias adjustment; master rec-level and L/R balance controls; auto tape-bias selector; rec/play timer; infrared remote sensor. FR 15-20,000 Hz ±3 dB high bias; *S/N* 70 dB Dolby B, 80 dB Dolby C; *w&F* 0.045% wrms. 17½ x 5¾ x 14 in; 13 lb \$450

W-585R Double Cassette Deck

Dolby B, C NR and HX Pro for both decks. Features autoreverse rec/play in both decks; 2-motor IC logic control mechanisms; Permalloy rec/play rotating-head system. Headphone jack; L/R mic inputs. relay play; synchro dubbing; repeat; one-touch normal

high-speed dubbing; blank skip for one deck; bias adjuster for one deck; intro scan; L/R peak meters; simultaneous rec; synchro rec with compatible CD players; rec mute with auto spacing; timer rec play; remote control. FR 15-18,000 Hz -20 dB high bias; *S/N* 69 dB Dolby B, 79 dB Dolby C; *w&F* 0.06% wrms. 17½ x 5¾ x 10¾ in; 11 lb \$370

W-525R Double Cassette Deck

Dolby B, C NR and HX Pro for one deck. Features autoreverse rec play for both decks; 2-motor IC logic control mechanism; Permalloy rec/play rotating-head system. Headphone jack. Repeat/relay play; synchro dubbing; synchro rec with compatible CD players; rec mute with auto spacing; timer rec play; L/R peak meters; auto tape-bias selector for both decks; bias adjuster for 1 deck; remote control. FR 25-18,000 Hz -20 dB high bias; *S/N* 69 dB Dolby B, 79 dB Dolby C; *w&F* 0.06% wrms. 17½ x 5¾ x 10¾ in \$290

W-410 Double Cassette Deck

Dolby B NR. 2 DC servo motors. Relay play; high-speed dubbing; bias adjuster; Teac system remote compatibility. FR 30-16,000 Hz metal; *w&F* 0.09% wrms \$160

V-370 Cassette Deck

Dolby B NR. Permalloy rec/play head; 1 DC servo motor; front-panel-centered cassette well. Teac system remote compatibility. FR 30-16,000 Hz metal; *S/N* 65 dB Dolby B, 79 dB Dolby C \$120

Open-Reel Decks

X-2000RBL Open-Reel Tape Deck

Two-speed (7.5 and 3.75 ips) 4-track, 2-channel tape deck with dbx I NR and 10½-in reel capacity. Features 6 cobalt-amorphous heads for bidirectional 3-head operation; 3-motor transport; LSI full-logic control; tension servo control; motion sensing; dual-capstan closed-loop transport; pitch control; auto search; EE tape switch; fine bias control; mic/line mixing; real-time counter. FR 40-33,000 Hz ±3 dB (7.5 ips); *w&F* 0.03% wrms (7.5 ips); *S/N* 100 dB (dbx). 17 x 18 x 10½ in; 46.3 lb \$2,450

X300R Open-Reel Tape Deck

3-head, 3-motor system with 7.5-ips speed. Front panel mic and headphone outputs. Features bidirectional playback; autoreverse; auto repeat; light-touch transport controls; mic/line mixing; rec mute; L/R level controls; tape/source monitor and 3-mode tape selectors; timer start. FR 40-30,000 Hz ±3 dB (7.5 ips); *w&F* 0.04% wrms (7.5 ips); *S/N* 65 dB; THD 3% \$1,550 X300. As above, without bidirectional playback, autoreverse, and auto repeat \$1,400

TECHNICS

RS-DC10 DCC Deck

Features analog-cassette playback compatibility with Dolby B and C NR; PASC digital coding; autoreverse; servo-controlled 2-motor transport; optical sensor for end-of-tape detection and auto DCC/analog-cassette switching; front-panel-centered cassette well. Gold-plated RCA jacks. User DCC subcoding; 12-



Teac V-1010

character album title, artist name, and track title display of prerecorded DCC's; timer; level meters with peak hold; track-number, time/counter, and transport-mode displays; remote control \$999

RS-B965 3-Head Cassette Deck

Dolby B, C, NR, HX Pro, and dbx. Digital-servo direct-drive motor; dual-capstan closed-loop 3-motor transport; full-logic controls; amorphous PC-OCC coil rec/play heads; isolated circuit blocks: Class AA rec amp; phase-compensation circuitry in play amp; independent power supplies; cassette stabilizer. Headphone jack with level control. CD-direct input. Semiautomatic bias/rec-level calibration with test-tone oscillator; master rec level and balance controls; switchable MPX filter; auto tape/source monitor select; program search; auto tape-bias selector; auto rec mute; timer rec/play. FR 20-20,000 Hz \pm 3 dB high-bias; SN (high bias) 57 dBA no NR, 66 dB Dolby B, 74 dB Dolby C, 92 dBA dbx; w&F 0.03%. 17 x 5 1/2 x 1 1/2 in. ... \$700

RS-BX606 3-Head Cassette Deck

Dolby B, C, NR and HX Pro. Features digital-servo direct-drive 2-motor transport; Class AA rec amp; full-logic controls; PC-OCC coils. Headphone jack with volume control. Program search; bias adjustor; master rec level and balance controls; switchable MPX filter; auto tape-bias selector. auto tape/source monitor select; repeat play; auto rec mute; timer rec/play; peak-hold meters. FR 30-18,000 Hz \pm 3 dB high bias; SN (high bias) 57 dBA no NR, 66 dB Dolby B, 74 dB Dolby C; w&F 0.05%. 17 x 5 x 1 1/2 in; 10 lb ... \$300

RS-TR515 Double Cassette Deck

Dolby B, C, NR and HX Pro. Features autoreverse rec/play; full-logic controls; independent 2-speed DC servo motors. Program search; bias adjustor for one deck; master rec level and balance controls; auto tape-bias selector; simultaneous/relay rec; synchro start/stop; auto rec mute; high-speed dubbing; peak-level meters; timer rec/play; remote-control capability. FR 40-15,000 Hz \pm 3 dB high bias; SN (high bias) 56 dBA no NR, 66 dB Dolby B, 74 dB Dolby C; w&F 0.1%. 17 x 5 3/8 x 1 1/2 in; 11 lb ... \$299

RS-BR465 Cassette Deck

Dolby B, C, NR and HX Pro. Autoreverse rec/play; 2 DC-motor transport; full-logic controls. Headphone and mic jacks. Bias adjustor; master rec level and balance controls; switchable MPX filter; auto tape-bias selector; auto rec mute; memory stop; timer rec/play; peak-hold meters; remote-control capability. FR 30-16,000 Hz \pm 3 dB high bias; SN (high bias) 56 dBA no NR, 66 dB Dolby B, 74 dB Dolby C; w&F 0.07%. 17 x 5 1/2 x 1 1/2 in; 10 lb ... \$230

RS-TR333 Double Cassette Deck

Dolby B, C, NR and HX Pro. Features autoreverse in both decks; one deck rec; full-logic controls; independent 2-speed DC servo motors. Program search; synchro start/stop; master rec level and balance controls; bias adjustor; auto tape-bias selector; auto rec mute; high-speed dubbing; peak-level meters; remote control capability. FR 40-15,000 Hz \pm 3 dB high bias; SN (high bias) 56 dBA no NR, 66 dB Dolby B, 74 dB Dolby C; w&F 0.1%. 17 x 5 3/8 x 1 1/2 in; 10 lb ... \$219

RS-TR212 Double Cassette Deck

Dolby B, C, NR and HX Pro. One autoreverse rec/play deck, one play only; full-logic controls; independent 2-speed DC servo motors. Synchro dubbing; master rec level and balance controls; auto tape-bias selector; auto rec mute; high-speed dubbing; peak-level meters; remote-control capability. FR 40-15,000 Hz \pm 3 dB high bias; SN (high bias) 56 dBA no NR, 66 dB Dolby B, 74 dB Dolby C; w&F 0.1%. 17 x 5 3/8 x 1 1/2 in; 10 lb ... \$199

UHER OF AMERICA

CR 1601 3-Head Cassette Deck

Features azimuth adjustor; 2 motors; direct drive; dual capstans. Mic inputs; headphone jack. Output-level control; memory stop/play; LED meters; rec

mute; 3 tape speeds: 1.88, 0.94 and 0.16 lps with ALC. FR 20-19,000 Hz \pm 3 dB; w&F 2% wrms. 9 1/4 x 2 1/4 x 7 1/4 in; 5 lb \$2,179

CR 1600 3-Head Cassette Deck

Dolby B NR. Features autoreverse; 2 motors; 4 tracks; A v input capability. Switchable ALC with 2-time constants; sep ch record-level meters; 1 1/2 and 1/2 ips; remote: soft-touch solenoid controls with built-in speaker; operates on dry cell, 12-V car battery, or 110/220 V AC. FR 30-16,000 Hz; w&F \pm 1%. 9 x 2 1/4 x 7 1/4 in; 6 lb \$2,179

Open-Reel Decks

Model 6000 Open-Reel Tape Deck

Dynamic NR. Four-speed (3.75, 1.88, 0.94, 0.47 ips) tape recorder. Features four motors; 5-in reel capacity; 24 hours rec on 1 tape. Switchable auto level control; electronic tape tension control; switchable speaker; tape counter; A v input jack. 11 x 3 1/2 x 9 in; 8 lb \$2,629

Report-Monitor Series Tape Recorders

Report-Monitor decks feature 3 heads, LED function indicators, an integrated power supply, electronic amplifier switching, battery or AC operation, tape-tension regulator, and a die-cast aluminum casing. All models can be used in portable or stationary applications. Speeds are 7.5, 3.75, 1.88, and 0.94 inches per second.

- Model 4400 Report Monitor. 4-track stereo \$2,169
- Model 4200. 2-track stereo \$2,169
- Model 4000 AV. Half-track mono \$2,025

Accessories

- F-423 Diapilot. Self-contained unit for synchronizing auto slide projector with Uher open-reel and cassette decks \$293
- F413 Acoustic Stop/Start Switch. Acoustic activation. For use with Uher decks \$157
- Z-125A Power Supply. Power supply and charger for Uher Monitor Series decks \$154
- Z-135. Power supply/charger unit for Uher cassette recorders \$120

VECTOR RESEARCH

VX-270 Cassette Deck

Dolby B, C, NR and HX Pro. Features 2-motor design; full-logic controls. Headphone jack with volume control. High-frequency trim and bias controls; switchable MPX filter. FR 30-17,000 Hz; SN 75 dB Dolby C, 67 dB Dolby B; w&F 0.05% wrms. 16 1/8 x 4 5/8 x 1 1/4 in; 13 lb \$280

VX-255 Cassette Deck

Dolby B and C, NR, LR channel mic input. Rec-balance control; metal tape-bias compatibility; soft-touch controls; bias adjustment. FR 30-17,000 Hz \pm 3 dB high bias; signal-to-noise ratio 67 dB Dolby B, 75 dB Dolby C; wow-and-flutter 0.05% wrms. 17 x 4 1/2 x 1 1/4 in; 12 lb \$180

YAMAHA

The following, except KX-150, are compatible with Yamaha's RS system remote control.

KX-W952 Double Cassette Deck

Dolby B, C, NR and HX Pro on both decks. Features autoreverse rec/play in both decks; 12-layer amorphous rec-play heads; sorbothane-stabilized cassette doors. Headphone jack with deck selector and level control. Simultaneous rec of 2 different sources; auto tape-bias selector; separate controls, meters, and displays for each deck; one-touch simultaneous/relay rec; play trim control; high-speed dubbing; cross-Dolby, random-program, manual, and skip dubbing; 15-selection random program play for each deck; intro scan; auto rec mute; rec return; blank skip; selectable reverse mode; level meters with peak-hold. 17 1/8 x 5 7/8 x 1 1/4 in; 22 lb \$699

KX-W602 Double Cassette Deck

Dolby B, C, NR and HX Pro. Features autoreverse rec play in both decks; full-logic 2-motor transports in each deck; amorphous rec/play heads. Manual, auto, normal, high-speed, skip, and random-program dubbing modes; relay play and rec; 9-selection random-program play; peak-level meters; remote control. 13 lb \$519

KX-R730 Cassette Deck

Dolby B, C, NR and HX Pro. Features autoreverse via optical sensor; 4-motor transport; microcomputer-controlled auto rec level with digital level indicator; amorphous play/rec head. Headphone jack with volume control. Program search; auto fader; switchable MPX filter; intro scan; auto tape-bias selector; rec mute; rec return; memory stop; repeat; LCD peak-level meter; remote control \$499

KX-W362 Double Cassette Deck

Dolby B, C, NR and HX Pro. Features autoreverse; one deck rec/play; low-imp 12-layer amorphous head; 2-motor transport; full-logic controls; sorbothane cassette stabilizer. Program search; single, reverse, and repeat play; relay play; play trim control; auto tape-bias selector; rec level and balance controls; rec-level indicator; high-speed dubbing; auto rec mute; rec return; peak-level meters. FR 20-20,000 Hz \pm 3 dB metal. 17 1/8 x 5 1/4 x 1 1/2 in; 13 lb ... \$429

KX-530 Cassette Deck

Dolby B, C, NR and HX Pro. Features amorphous rec/playback head; double-gap ferrite erase head. Headphone jack with volume control. Program search; master fader; switchable MPX filter; play trim control; repeat; remaining-time indicator; random program; rec-level indicator; intro scan; auto tape-bias selector; rec mute; rec return; memory stop; LCD peak-level meter; remote control \$399

KX-R430 Cassette Deck

Dolby B, C, NR and HX Pro. Features autoreverse; amorphous head; 2 motors. Headphone jack. Program search; intro scan; full, single, and phrase repeat; rec return; auto rec mute; auto tape-bias selector; timer rec/play; switchable MPX filter; blank skip; bias adjustor; LED peak-level meter; remote control. 11 lb \$349

KX-360 Cassette Deck

Dolby B, C, NR and HX Pro. Features 2-motor transport; full-logic controls; sorbothane cassette stabilizer. Headphone jack with volume control. Program search; switchable MPX filter; play trim control; bias adjustor; rec-level and balance controls; rec-level indicator; auto rec mute; rec return; timer rec/play; intro scan; auto tape-bias selector; memory stop; repeat; peak-level meters. FR 20-20,000 Hz \pm 3 dB metal; w&F 0.05%. 17 1/8 x 5 1/4 x 1 1/2 in \$299

KX-W252 Double Cassette Deck

Dolby B, C, NR. Features autoreverse in both decks; one rec/play deck, one play-only; 2-motor transports; full-logic controls. Headphone jack. High-speed dubbing; rec level and balance controls; auto rec mute; rec return; single, reverse, and repeat play; relay play; auto tape-bias selector; peak-level meters. FR 20-20,000 Hz \pm 3 dB metal; w&F 0.08%. 17 1/8 x 5 1/4 x 1 7/8 in; 13 lb \$299

KX-260 Cassette Deck

Dolby B, C, NR and HX Pro. Features 2-motor transport; full-logic controls. Headphone jack. Program search; play trim control; intro scan; full and phrase repeat; auto tape-bias selector; bias adjustor; rec level and balance controls; rec return; auto rec mute; switchable MPX filter; timer rec play; peak-level meters. FR 20-19,000 Hz \pm 3 dB metal. 17 1/8 x 5 1/4 x 1 1/8 in \$249

KX-150 Cassette Deck

Dolby B, C, NR. Features Permalloy head; 2-motor transport; full-logic controls. Headphone jack. Auto tape-bias selector; rec mute; rec return; independent LR rec-level controls; peak-level meters \$219

TUNERS

ACOUSTIC RESEARCH

Limited FMT FM Tuner
Features xLR and RCA connectors. 13 lb . . . \$2,200

ADCOM

GFT-555II AM/FM Tuner
Quartz-referenced digital-synthesis design with 8 AM/8 FM presets. Buffered output stages using Class A amplifier; 1% Roederstein metal-film resistors and metal-film capacitors; tuning accuracy of 0.00025%. Auto scan; switchable high-blend circuit; mono/mute switch; FL digital display; 5-LED signal-strength display. FM: 50-dB quieting sens 36 dBf stereo; cap ratio 1.7 dB; THD 0.1% at 1,000 Hz; S/N 78 dB stereo; AM rej 70 dB . . . \$350
GFP-555IIW. As above, white . . . \$400

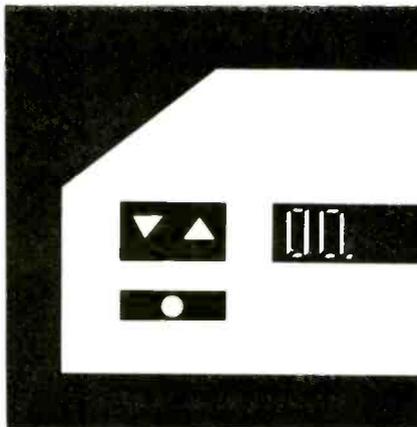
ARCAM

Delta 80 AM/FM Tuner
Analog tuner with digital frequency display and 6 AM/6 FM presets. Features flywheel-assisted rotary knob; 3-color FM tuning indicator. Logarithmically scaled signal-strength meter; AFC and mono switches. FM: cap ratio 1.5; S/N 70 dB stereo; sens 1.4 μ V. 17 x 2 3/8 x 10 1/2 in; 10 lb . . . \$699

Alpha 2 AM/FM Tuner
Analog tuner. Features birdie filter; single glass-fiber PC board. Shortwave reception; red LED beacon. Rotary flywheel tuning control; AFC and mono switches. FM: cap ratio 1.5 dB; alt-ch sel 60 dB; S/N 68 dB stereo; sens 1.4 μ V. 17 x 3 3/8 x 9 in; 5 lb . . . \$349

AUDIO DESIGN ASSOCIATES

MT-3000 Multi-Tuner
Designed for multiroom applications. 3 independent tuner modules with 10 presets per module; choice of AM-stereo, FM-stereo, shortwave, or cable-TV modules in any combination. Features digital-synthesis tuning; auto analog phase-frequency detector; stereo dynamic noise blend. 1 remote-control input for each module; 1 remote-control input to access all 3 modules and 30 presets; 1 line-level output for each module; 1 line-level output for all 3 modules. 4-character alphanumeric labeling for each preset; mute. Remote control optional. FM: 50-dB quieting



sens 34 dBf; cap ratio 1.4 dB; AM rej 54 dB; alt-ch sel 80 dB; ch sep 50 dB at 1,000 Hz; S/N 69 dB stereo; FM 30-50,000 Hz \pm 0.5 dB; THD 0.09% stereo at 1,000 Hz. 19 x 3 1/2 x 11 in; 8 lb . . . \$2,500

AUDIOLAB

Model 8000T AM/FM Tuner
Microprocessor-based system with 39 AM/FM presets. 9th-order elliptical LC birdie filter; rotary optical digital encoder; single FM demodulator; 20-60 dB auto muting. Precision signal-strength meter accurate to 90 dB/ μ V; center-zero tuning meter; manual tuning in 25-kHz steps; low-emission LCD display . . . \$1,150

AUDIOSOURCE

TNR-One AM/FM Tuner
Quartz-PLL tuner with 20 AM/FM presets. Features auto scanning and muting; digital display. Cap ratio 1 dB; alt-ch sel 65 dB; S/N 70 dB mono, 76 dB stereo. 16 1/2 x 2 3/8 x 11 3/8 in; 8.4 lb . . . \$230

B&K COMPONENTS

TS-108 FM Tuner
Digital-synthesis tuner with 8 FM presets. Features FL display; 5-segment signal-strength meter; program-

mable selectivity; mono stereo and local/tx switches. Cap ratio 1.5 dB; sens 15 dBf mono, 36 dBf stereo; ch sep 40 dB. 17 x 2 1/2 x 9 in; 8 lb . . . \$398

CAMBRIDGE AUDIO

T50 AM/FM Tuner
8 AM/16 FM presets. Features auto/manual scan; bar graph for tuning strength; center tuning indicator. FM: capture ratio 2.5 dB; FM sensitivity 1.8 μ V; signal-to-noise ratio 80 dB mono, 75 dB stereo. 17 x 3 1/4 x 12 3/8 in; 8.8 lb . . . \$350

CARVER

The following feature multipath rejection circuitry.

TX-11b AM/FM Tuner
Digital quartz-synthesis tuner with 13 AM/FM presets. Features AM-stereo reception; AM gain and noise-elimination circuits; switchable wide/narrow IF. 3-week memory backup; preset scan; auto/manual tuning. IHF sens 11.3 dBf; cap ratio 1 dB; AM rej 65 dB; ch sep 45 dB and THD 0.05% at 1,000 Hz; S/N 85 dB stereo. 19 x 3 1/2 x 12 1/2 in; 11 lb . . . \$800

TX-14 AM/FM Tuner
20 AM/FM presets. Features FMX decoder. Auto/manual preset scan; FM-mono switch; analog signal-strength meter; remote control. IHF sens 12.8 dBf; cap ratio 1.5 dB; AM rej 60 dB; alt-ch sel 66 dB; ch sep 45 dB and THD 0.08% at 1,000 Hz; S/N 70 dB. 19 x 1 3/4 x 10 in . . . \$400

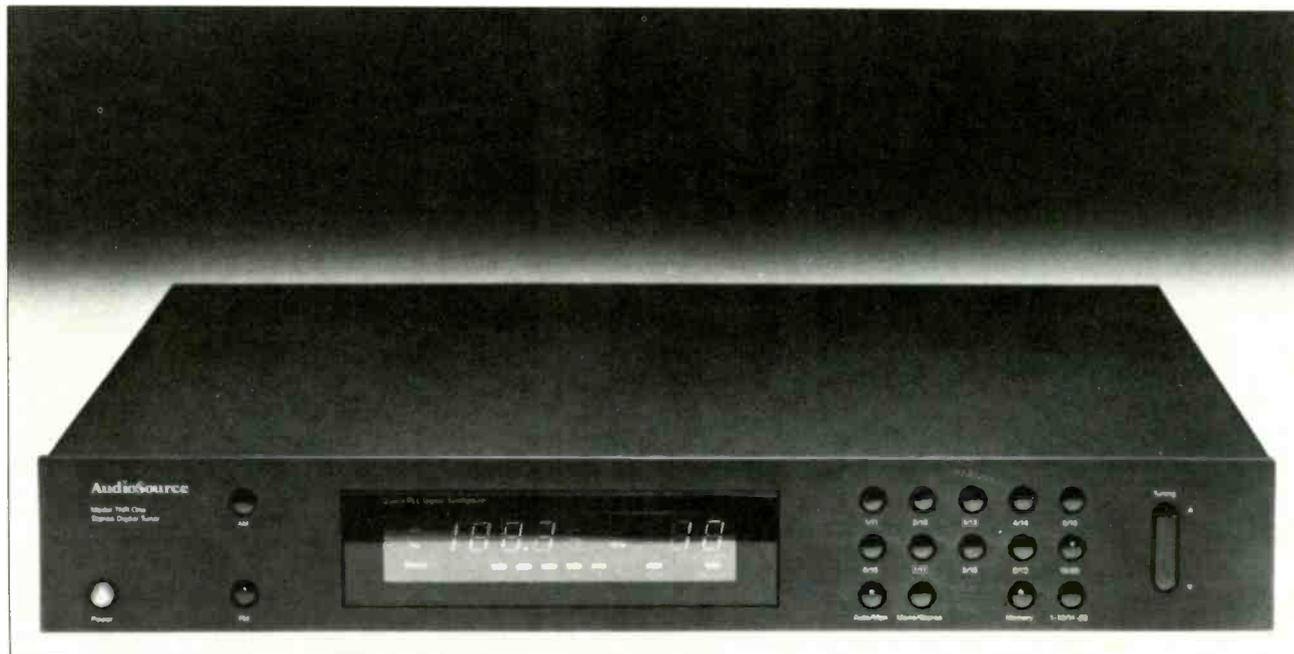
CREEK

T40 FM Tuner
Auto mute, AFC, local/tx, and narrow/wide-IF switching . . . \$525

DAY SEQUERRA

Reference Panalyzer FM Tuner
Analog FM tuner. Features panoramic display of 2 MHz on 4 1/2-in instrument-grade oscilloscope for RF spectrum analysis . . . \$12,800

Reference FM Tuner
Analog FM tuner. Features 100-Hz tuning accuracy; multiple IF processors with variable Q circuits; dual-



AudioSource TNR-One

TUNERS

mono servos; absolute phase and phase-compensation circuitry; 4 1/2-in instrument-grade oscilloscope. Balanced outputs. Selectable IF bandwidths. 35 lb \$4,800
Studio-2 FM Tuner \$3,000

DENON

TU-680NAB AM/FM Tuner

Broadcast-monitor design with 30 AM/FM presets. Features noise blanking microcircuit; FM section with varactor 5-gang-equivalent tuning circuits; MOSFET RF amplifiers; MPX noise reduction circuitry. Low imp audio outputs. Auto seek; manual step tuning; wide/narrow audio and IF bandwidth switches; remote control. FM: 50-dB quieting sens 37.2 dBf stereo; cap ratio 1.3 dB; image rej 80 dB; RF rej 100 dB; sel 50 dB wide, 75 dB narrow; S/N 82 dBA stereo; THD 0.1% stereo; ch sep 50 dB; FR 20-15,000 Hz + 0.5, -1 dB. AM: FR 50-7,500 Hz + 1.5, -3 dB; S/N 53 dB; THD 0.5% stereo; ch sep 32 dB. Available by special order \$650

TU-660 AM/FM Tuner

Quartz-lock digital design with 30 AM/FM presets. Features switchable wide/narrow IF bandwidth; switchable AM-tuner audio filter bandwidth. Manual-step tuning; last-station memory. FM: 50-dB quieting sens 37.2 dBf stereo; cap ratio 1.3 dB; FR 20-15,000 Hz + 0.5, -1 dB; S/N 80 dBA stereo; THD 0.1% stereo; ch sep 50 dB at 1,000 Hz; sel 50 dB wide, 75 dB narrow. AM: FR 85-7,500 Hz + 1.5, -3 dB; S/N 53 dB \$350

TU-280 AM/FM Tuner

Quartz-lock digital design with 30 AM/FM presets. Features high-speed tuning circuitry; wide AM tuning band range; AM beat-cut filter; FM section with varactor 3-gang-equivalent tuning circuits. Low imp outputs. Denon remote-control compatible. FM: 50-dB quieting sens 38.5 dBf stereo; cap ratio 1.5 dB; image rej 45 dB; IF rej 65 dB; S/N 74 dBA stereo; THD 0.2% stereo; ch sep 40 dB; FR 20-15,000 Hz + 0.5, -2 dB \$240

GOLDMUND

Mimesis 4 FM Tuner

6 presets. Features analog design; adjustable bandwidth; auto frequency-control circuit; 3 separate power supplies using 2 transformers; Independent grounds for chassis and signal. Switchable mute circuit; LED tuning display; manual flywheel tuning; AC line-polarity switch; dual antenna inputs; 600-ohm DC-coupled output. S/N 75 dB mono, 70 dB stereo; THD (wideband) 0.02% mono, 0.025% stereo; 50-dB quieting sensitivity 2.5 μ V mono, 27.5 μ V stereo; capture ratio 1.5 dB; image rejection 75 dB. 3-yr parts-and-labor warranty. 19 x 1 3/4 x 15 1/2 in; 22.1 lb \$6,200

HARMAN KARDON

The following have rear-panel jacks for Harman Kardon's system remote control.

Citation Twenty-Three AM/FM Tuner

Digital-synthesis, quartz-locking design with 16 AM/FM presets. Features high-selectivity circuit; mono and mute buttons; LCD; analog fine-tuning; remote control. FM (with high selectivity): 50-dB quieting sensitivity 40.4 dBf stereo; AM rejection 70 dB; capture ratio 1.75 dB; alternate-ch selectivity 75 dB; S/N 75 dB stereo; ch separation 35 dB at 1,000 Hz. 17 3/8 x 2 3/4 x 14 3/8 in; 15 lb \$699

TU9600 AM/FM Tuner

24 AM/FM presets. Digital fine tuning; FM pilot and subcarrier NR; active tracking circuitry; discrete output stage; high-blend circuit. 2 antenna inputs. Digital display; seek tuning; hi-blend switch; LED signal-strength indicator; non-volatile memory of control functions and presets; remote control. FM: 50-dB quieting sens 36.2 dBf stereo; AM rej 65 dB at 45 dBf; cap ratio 1 dB; alt-ch sel 45 dB. 80 dB with active

tracking; output 2-V. Black finish. 17 3/8 x 2 7/8 x 13 in; 7.5 lb \$429

TU9400. As above, without active tracking, digital fine tuning, antenna inputs, and remote control. FM: 50-dB quieting sens 37.2 dBf stereo; AM rej 50 dB at 45 dBf; cap ratio 1.2 dB; alt-ch sel 65 dB \$319
TU9200. As TU9400, without FM pilot/subcarrier NR. AM rej 45 dB at 45 dBf; cap ratio 1.5 dB; alt-ch sel 70 dB \$229

JVC

Super Digifine Series

FX-1010TN AM/FM Tuner

Microprocessor-controlled tuner with 40 AM/FM presets. Features computer-controlled RF gain, IF bandwidth, quieting-slope, and mono/stereo selection; separate analog and digital sections; MOSFET front end; ceramic-filter IF section; PLL detector; PLL multiplex circuit to eliminate beat noise. 2 antenna inputs with switching. Preset scan; preset cancel to bypass undesired presets; 8-event timer; dB-referenced signal-strength indicator; adjustable muting threshold; rec-level-calibration signal generator; Compu Link system compatibility. FM: 50-dB quieting sens 38.1 dBf stereo; AM rej 65 dB; cap ratio 1.2 dB; sel 25 dB wide, 75 dB narrow; ch sep 60 dB wide at 1,000 Hz; FR 20-15,000 Hz + 0.3, -0.5 dB; S/N 88 dBA stereo at 85 dBf; THD wide at 1,000 Hz 0.009% mono, 0.02% stereo. 17 1/4 x 4 x 11 3/4 in; 8 lb \$480

KENWOOD

KT-5020 AM/FM Tuner

Quartz-synthesis design with 20 AM/FM presets. Features pentacle power supply. Switchable wide/narrow IF; timer; FL display; system remote-control compatibility. 50-dB quieting sens 16.2 dBf mono, 38.8 dBf stereo; S/N (at 85 dBf) 88 dB mono, 82 dB stereo; THD (wide if from 50-10,000 Hz) 0.1% mono, 0.12% stereo; FR 20-15,000 Hz \pm 0.5 dB; ch sep 55 dB at 1,000 Hz; cap ratio 1 dB wide, 2.5 dB narrow; AM rej 76 dB. AM: S/N 52 dB; THD 0.3%; image rej 40 dB. 17 3/8 x 3 7/8 x 12 1/2 in 9.3 lb \$270

MARANTZ

ST-50 AM/FM Tuner

Digital-synthesis design with 30 AM/FM presets. Features 4-gang FM front end with dual-gate MOSFETs; linear-phase IF filters; pilot-tone canceler. RC-5 interface for remote-control compatibility with Marantz components. IF-selection memory for each preset; 2-week battery-free preset backup; switchable wide/narrow IF; direct station access; auto/manual scan; FL display. FM: usable sens 10.8 dBf mono; 50-dB quieting sens 37 dBf stereo; alt-ch sel 35 dB wide, 75 dB narrow; cap ratio 1 dB; THD (stereo at 1,000 Hz) 0.08% wide, 0.4% narrow; S/N (at 1,000 Hz) 82 dB stereo; ch sep 55 dB at 1,000 Hz; FR 20-15,000 Hz \pm 0.5 dB; image rej 80 dB; IF rej 100 dB. AM: usable sens 48 dBf; sel 30 dB; S/N 54 dB at 500 Hz; THD 0.3% at 400 Hz. Gold finish with die-cast alloy side panels. 17 7/8 x 3 3/8 x 13 1/8 in; 14.5 lb \$349

MERIDIAN

Model 204 FM Tuner

18 FM presets. Features steel chassis; full RF shielding. Clock timer; adjustable seek tuning; scan tuning; status and signal-strength displays. Cap ratio 1.5 dB; ch sep 40 dB at 1,000 Hz; sel 56 dB; THD 0.02% mono, 0.4% stereo. 6 3/8 x 4 x 12 3/8 in \$1,190

MCINTOSH

MR-7083 AM/FM Tuner

PLL design with 8 AM/8 FM presets. OMOSFET RF amp for FM signals; JFET amp for AM signals. FM: 50-dB quieting sens 15 dBf mono, 37 dBf stereo; usable sens 11.25 dBf; AM rej 78 dB; cap ratio 1.5 dB; alt-ch sel 70 dB; FR 20-15,000 Hz + 0, -1 dB; ch sep 50 dB. AM: adj. ch sel 45 dB. 16 1/8 x 5 3/8 x 14 in; 15.5 lb \$1,695
MR-7083(W). Wide chassis. 17 1/2 x 5 3/8 x 14 in \$1,695

MTX SOUND CRAFTSMEN

Pro-Tuner Four AM/FM Tuner

Digital quartz-PLL tuner with 16 AM/FM presets. Features active high-blend filter. 5-digit station display; auto scan. IHF sens 1.6 μ V; S/N 75 dB; distortion 0.08%. 19-in rack-mount front panel. 19 x 2 3/8 x 12 in \$379

T100 AM/FM Tuner

Digital quartz circuitry with 20 AM/FM presets. Features auto/manual tuning. FM: 50-dB quieting sens 11 dBf mono, 34.5 dBf stereo; cap ratio 1.5 dB; S/N 75 dB mono, 70 dB stereo; FR 30-15,000 Hz \pm 1.5 dB. 17 x 1 3/4 x 14 1/4 in \$360

MUSEATEX

FM-1 FM Tuner

Digital-synthesis tuner with 99 AM/FM presets. PLL loop detectors; IF demodulation; LCD interface. 2 antenna/cable inputs. Manual fine tuning; auto preset store; stereo/mono and IF bandwidth selection; remote control. 5-yr warranty. 14 lb \$999

NAD

Model 4225 AM/FM Tuner

14 AM/FM presets. Linear IF filters. Features switchable blend circuit. FM: 50-dB quieting sensitivity 37 dBf mono; capture ratio 2 dB; alt-ch selectivity 65 dB; signal-to-noise ratio 75 dB stereo. 16 1/2 x 3 x 10 in; 7 lb \$249

NAIM

NAT 01 FM Tuner

Features auto bandwidth selection; progressive switching from mono to stereo; separate power supply. Digital frequency display increases in brightness to indicate signal strength. Output level 250 mV/ch. 11 3/4 x 3 x 8 in \$3,395

NAT 02. As above, integral power supply \$2,135

NAKAMICHI

ST-7 AM/FM Tuner

PLL design with 16 AM/FM presets. Scholtz NR. 5-segment signal/multifunction meter; L/R output-level controls. FM: usable sens 10 dBf mono, 17 dBf stereo; 50-dB quieting sens 14 dBf mono, 28 dBf stereo; AM rej 60; cap ratio 1.9 dB; alt-ch sel 60 dB; THD (at 1,000 Hz) 0.06% mono, 0.08% stereo; S/N 80 dB mono, 76 dB stereo; ch sep 55 dB at 1,000 Hz. 17 1/8 x 2 1/2 x 11 3/8 in; 10.5 lb \$849

NIKKO

NT 150 AM/FM Tuner

Digital-synthesis FM design with 24 AM/FM presets. 5-segment signal-strength meter; auto/manual tuning. FM: 50-dB quieting sens 12 dBf mono, 36 dBf stereo; cap ratio 3 dB wide; FR 30-15,000 Hz \pm 5 dB; THD 0.5% at 1,000 Hz; S/N 75 dB mono, 68 dB stereo. 16 7/8 x 2 3/8 x 10 in; 6 lb \$109

NT 60 AM/FM Tuner

Digital-synthesis FM design with 24 AM/FM presets. Antenna and output jacks. FL display; auto/manual search; preset scan. FM: 50-dB quieting sens 50 dBf; cap ratio 2 dB (wide); FR 20-20,000 Hz + 0.5 dB, -2.5 dB; THD 0.4% at 1,000 Hz; S/N 70 dB (mono), 64 dB (stereo); IHF sens 11.2 dBf. 16 7/8 x 2 7/8 x 10 in; 6 lb \$99

ONKYO

Grand Integra T-G10 FM Tuner

20 presets. Features auto/manual reception-optimization system to select A/B antenna, RF (local/distance), IF bandwidth (wide/narrow/S-narrow), high-blend, and mono/stereo; chassis damping; battery-free memory backup. Dual antenna inputs. Preset scan; FM fine tuning; timer; Onkyo RI-system control compatibility; remote control. Wood side panels \$850

TUNERS

Integra T-9090II FM Tuner

20 presets. Features auto/manual reception-optimization system to select AB antenna, RF (local/distance), IF bandwidth (wide/narrow/S-narrow), high-blend, and mono/stereo. Dual antenna inputs. Preset scan; strongest-station memory; digital display and signal-strength meter; timer programming; FM fine tuning; remote control. Wood side panels \$750

Integra T-4700 AM/FM Tuner

40 AM FM presets. Features auto reception-optimization system with manual override; 7-varactor/MOSFET RF section; Isohex power supply; battery-free memory backup. Dual antenna inputs; variable output. 6 preset groups with programmable alphanumeric labeling; full/category preset scan; FM fine tuning in 25- or 50-kHz steps; Onkyo RI-system control compatibility; remote control \$450

Integra T-407 AM/FM Tuner

40 AM FM presets. Features auto reception-optimization system with manual override; 5-varactor/MOSFET RF section; Isohex power supply; front-end design to minimize IM; built-in AM loop antenna; battery-free memory backup. 8 preset groups; FM fine tuning in 25- or 50-kHz steps; direct access tuning; switchable tuning level and mute; 10-segment signal-strength meter; 6-digit frequency display; Onkyo RI-system control compatibility \$350

T-404 AM/FM Tuner

40 AM FM presets. Features auto reception-optimization system; metal-oxide semiconductor FET front end; built-in AM loop antenna; battery-free memory backup. 6 preset groups; direct station access; auto scan; 5-digit frequency display; Onkyo RI-system control compatibility \$200

PARASOUND

T/DQ-2000 II AM/FM Tuner

PLL design with 20 AM FM presets. Features regulated power supply. Scan/manual tuning; mono switch; remote control. FM: 50-dB quieting sens 36.9 dB; alt-ch sel 84 dB; THD 0.05% mono, 0.1% stereo; FR 20-15,000 Hz \pm 0.5 dB; cap ratio 1.2 dB. 19 x 3 $\frac{1}{2}$ x 12 $\frac{1}{2}$ in \$525

T/DQ-260 II AM/FM Tuner

Quartz-referenced, digital-synthesis tuner with 8 AM/8 FM presets. Regulated power supply; PLL tuner. Scan/manual tuning; mono switch. FM: 50-dB quieting sensitivity 37.7 dB; alternate-channel sel 66 dB; total harmonic distortion 0.05% mono, 0.1% stereo; frequency response 20-15,000 Hz \pm 0.5 dB; capture ratio 1.2 dB. 17 $\frac{1}{4}$ x 2 $\frac{1}{2}$ x 9 $\frac{1}{2}$ in \$295

PHILIPS

FT-920 AM FM Tuner

30 AM FM presets. Features direct access by preset or frequency. Local/DX switch; station name display \$240

PIONEER

The following feature digital processing combined with direct conversion of FM signals to left and right channels.

F-449 AM/FM Tuner

36 AM/FM presets. Features selectable normal/narrow FM IF bandwidth; RF attenuator. 3-speed search; 8-segment signal-strength meter; FL display; SR-system remote-control compatibility. FM: 50-dB quieting sens 16.2 dB mono, 36.2 dB stereo; S/N (at 80 dB) 83 dB mono, 78 dB stereo; FR 30-15,000 Hz \pm 1 dB; ch sep 50 dB at 1,000 Hz. AM: S/N 50 dB. 16 $\frac{1}{2}$ x 3 $\frac{3}{8}$ x 12 $\frac{1}{2}$ in; 7.8 lb \$270

Elite Series

F-93 AM/FM Tuner

40 AM/FM presets. Features switchable normal/narrow FM IF bandwidth; MPX NR. Variable/fixed output.

Direct station access; fine tuning in 10-kHz FM and 1-kHz AM steps; FL signal-strength meter; RF attenuator; preset scan. FM: 50-dB quieting sens 15.9 dB mono, 36.2 dB stereo; S/N (at 80 dB) 96 dB mono, 88 dB stereo; FR 20-15,000 Hz \pm 0.2, -0.8 dB; ch sep 60 dB at 1,000 Hz. AM: S/N 50 dB. 18 x 4 $\frac{1}{8}$ x 13 $\frac{1}{8}$ in; 14.3 lb \$900

F-51 AM/FM Tuner

36 AM FM presets. Features MPX NR; switchable normal/narrow FM IF bandwidth. Simulated-stereo mode. FM: 50-dB quieting sens 16.2 dB mono, 36.2 dB stereo; S/N (at 80 dB) 83 dB mono, 78 dB stereo; FR 20-15,000 Hz \pm 0.4, -1 dB; ch sep 55 dB at 1,000 Hz. AM: S/N 50 dB. 16 $\frac{5}{8}$ x 3 $\frac{3}{8}$ x 12 $\frac{1}{2}$ in; 7.5 lb \$350

PROTON

AT-670 AM/FM Tuner

Quartz PLL tuner with 9 AM/18 FM presets. Features Schott II circuitry with NR; 5-gang GASFET RF amp. Variable output level; mono/stereo switch; wide/narrow IF bandwidth switch; auto/manual rotary tuning. Remote compatible. FM: 50-dB quieting sens 30 μ V stereo; cap ratio 1 dB; AM rej 65 dB; S/N at 45 dB 74 dBA stereo; ch sep 45 dB at 1,000 Hz. AM: ch sel 50 dB; S/N 45 dB. 18 $\frac{1}{2}$ x 4 $\frac{3}{8}$ x 15 $\frac{1}{8}$ in; 15.5 lb \$400

AT-470 AM/FM Tuner

8 AM/8 FM presets. Mono switch \$220

QUAD

Model 66 FM Tuner

19 presets. Designed for use with Model 66 preamp. Features auto search in 25- or 50-kHz steps; LCD. 50-dB quieting sens 28 dB; cap ratio 1.5 dB; S/N 76 dB; AM rej 65 dB; image rej 100 dB; THD 0.05% mono, 0.10% stereo \$1,200

FM4 FM Tuner

8 presets. Designed for use with Quad 34 preamp. Features microprocessor control; center-channel tuning; signal-strength meter; backup for 5 presets. Distortion 0.05% mono, 0.1% stereo; cap ratio 2.5 dB; FR 20-15,000 Hz \pm 0, -1 dB; crosstalk 40 dB at 1 kHz; pilot-tone suppression 60 dB; de-emphasis switchable 50/75 μ s. Anthracite gray finish. 8 x 1 $\frac{1}{8}$ x 5 $\frac{1}{8}$ in; 6 lb \$849

REALISTIC BY RADIO SHACK

TM-150 AM/FM Tuner

PLL design. Features built-in AM and FM antennas. FM-antenna output. Mono/stereo switch; FM-stereo LED indicator; illuminated tuning dial \$60

ROTEL

RT970BX AM/FM Tuner

16 AM FM presets. Features RF attenuation; AM and FM bandwidth selectivity; high-blend circuitry; digital signal-strength display. FM: usable sens 10.8 dB mono, S/N (at 65 dB) 80 dB mono, 75 dB stereo; cap ratio 1 dB; alt-ch sel 60 dB wide, 80 dB narrow; THD 0.06% mono, 0.2% stereo; 50-dB quieting sens 14.8 dB mono, 37.2 dB stereo. 17 $\frac{3}{8}$ x 2 $\frac{7}{8}$ x 13 in \$400

RT950BX AM/FM Tuner

20 AM/FM presets. Features AM wideband reception; mono switch; signal-strength indicator. FM: usable sens 10.8 dB mono; S/N (at 65 dB) 80 dB mono, 75 dB stereo at 65 dB; cap ratio 1 dB; alt-ch sel 63 dB; THD 0.07% mono, 0.25% stereo at 65 dB and 1,000 Hz; 50-dB quieting sens 14.8 dB mono, 37.2 dB stereo. 17 $\frac{3}{8}$ x 2 $\frac{7}{8}$ x 11 $\frac{1}{4}$ in; 7.9 lb \$300

SANSUI

TU-X317 AM/FM Tuner

Quartz-PLL digital-synthesis design with 20 AM FM presets. Features preset scan; last-station memory; mute; FL display. FM: 50-dB quieting sens 14 dB mono, 36 dB stereo; cap ratio 1 dB; S/N 80 dB mono, 74 dB stereo \$199

SONY

ES Series

The following feature direct-comparator circuitry, switchable wide/narrow IF bandwidth, a high-blend circuit, a coaxial FM-antenna input, and remote-control compatibility with other Sony components.

ST-S730ES AM/FM Tuner

Diode-activated frequency-synthesis design with 30 AM/FM presets. Features tracking of FM-transmission modulation by shifting narrow band-pass filter for low interference; PLL detector; antenna attenuator to prevent front-end overload; optically-sensed rotary tuning. Calibration tone; timer capability with external timer. S/N 100 dB mono, 92 dB stereo; THD 0.004% mono, 0.0075% stereo; 50-dB quieting sens 16.8 dB mono, 37.9 dB stereo; ch sep 70 dB at 1,000 Hz; FR 15-15,000 Hz \pm 0.2 dB; cap ratio 1 dB (wide IF); IF rej 120 dB. Simulated-wood side panels. 18 $\frac{1}{2}$ x 3 $\frac{3}{8}$ x 14 $\frac{3}{4}$ in; 14 lb \$550

ST-S550ES AM/FM Tuner

30 AM FM presets. Features switchable antenna attenuator. Alphanumeric preset labeling; interstation muting. Signal-to-noise ratio 82 dB mono, 78 dB stereo; total harmonic distortion (normal IF) 0.06% mono, 0.08% stereo; total harmonic distortion (wide IF) 0.04% mono, 0.05% stereo; 50-dB quieting sens 16.8 dB mono, 38.5 dB stereo; channel sep 65 dB at 1,000 Hz (wide IF); FR 15-15,000 Hz \pm 0.2 dB mono, 15-15,000 Hz \pm 0.5 dB stereo; capture ratio 1 dB. wide IF; IF rej 70 dB. 3-yr limited warranty. 18 $\frac{5}{8}$ x 3 $\frac{3}{8}$ x 14 $\frac{1}{4}$ in; 8.9 lb. Simulated-wood side panels \$300

SOUNDSTREAM

T-1 AM/FM Tuner

16 AM FM presets. Features defeatable blend circuit; separate audio and switching power supplies. Fine tuning in 50 kHz steps; flywheel-assisted manual tuning knob for fine adjustment; auto search; signal-strength indicator. FM: 50-dB quieting sens 14.8 dB; AM rej 60 dB; cap ratio 1.5 dB; alt-ch sel 65 dB; S/N 82 dB mono, 79 dB stereo; THD 0.12% mono, 0.2% stereo \$595

TEAC

T-X3000 AM/FM Tuner

Quartz-PLL design with 20 AM/FM presets. Features MPX filter. FM auto stereo/mono switch; MPX switch; FL display; preset scan; seek tuning. FM: 50-dB quieting sens 17 dB mono, 39.2 dB stereo; AM rej 65 dB; cap ratio 1.7 dB; FR 20-15,000 Hz \pm 1, -2 dB; alt-ch sel 68 dB; ch sep 40 dB at 1,000 Hz; S/N (at 65 dB) 1,000 Hz) 80 dB mono, 72 dB stereo; distortion at 65 dB 0.2% mono, 0.4% stereo. AM: sel 25 dB; distortion 0.5%; S/N 50 dB at 85 dB m. 17 $\frac{3}{8}$ x 3 $\frac{3}{4}$ x 11 in; 6.4 lb \$220

TECHNICS

ST-G460 AM/FM Tuner

Quartz-synthesis design with 39 AM FM presets. DC circuit construction; DC linear switching MPX filter; wide-band quadrature detector. FL display; FM-mode switch. FM: 50-dB quieting sens 38.1 dB stereo; AM rej 55 dB; cap ratio 1 dB; alt-ch sel 65 dB; THD 0.1% stereo; S/N 73 dB stereo; ch sep 50 dB at 1,000 Hz \$240

YAMAHA

TX-2000 AM/FM Tuner

24 presets. Computer servo lock tuning; digital fine tuning. RS-system-compatible remote control \$749

TX-950 AM/FM Tuner

Auto selection of PLL synthesis or FM voltage-servo tuning; 40 presets. Features labeling for up to 24 presets; mono switch; optional RS-system-compatible remote control \$399

TX-550. As above, PLL tuning only \$349

TX-350. As above, no station labeling \$199

BANG & OLUFSEN

The following feature an electronically controlled tangential tonearm and auto play-speed selection. Cartridges are not included.

Beogram 7000 Automatic Turntable

Suspended subchassis. Integrates with Beosystem 7000. Features integral RIAA preamplifier for line-level output. Polished-aluminum or white finish. 33 1/3 and 45 rpm play speeds. w&F 0.03% wrms; FR 20-20,000 Hz ±1 dB; S/N 80 dB; speed deviation ±0.2%; rumble 80 dB DIN wtd. 16 1/2 x 3 x 12 3/4 in; 18.4 lb. \$500

Beogram 4500 Automatic Turntable

3-point leaf-spring suspension. Integrates with Beosystem 4500. Features RIAA integral preamplifier for line-level output. 33 1/3 and 45 rpm play speeds. w&F 0.03% wrms; FR 20-20,000 Hz ±1 dB; S/N 80 dB; speed deviation ±0.2%; rumble 80 dB DIN wtd. Polished-aluminum finish with white trim. 16 1/2 x 3 x 12 3/4 in; 9.9 lb. \$500
WB 4500 BG. Wall bracket for above \$50

Beogram 9500 Automatic Turntable

Integrates with Beosystem 9500. 33 1/3 and 45 rpm play speeds. w&F 0.03% wrms; speed deviation ±0.2%; rumble 80 dB DIN wtd. Polished-aluminum finish with white trim. 16 1/2 x 3 x 12 3/4 in; 9.9 lb. \$450

Beogram TX-2 Automatic Turntable

Belt drive. Features fixed headshell. 33 1/3 and 45 rpm speeds. Recommended tracking force 1-1.5 g; w&F 0.03% DIN; rumble 80 dB DIN wtd. 16 1/2 x 3 x 12 3/4 in; 11.6 lb. \$400

BASIS

Debut Gold Vacuum Turntable

Belt drive with 4-point, fluid-damped suspension. Vacuum mechanism for warped records; 2-in acrylic subchassis; oil-well bearing with platter center of gravity below upper bushing; 28-lb, high-speed computer balanced acrylic lead platter; 8-lb damped acrylic lead armboard. Precise vacuum pump levels are controlled by rotary dial factory rebuildable pump. Includes Interface cable and 40 feet of tubing. 33 1/3 and 45 rpm speeds. \$8,900
Debut Gold Standard. As above, no vacuum feature \$6,900
 Retrofit Debut Gold Standard with vacuum mechanism \$2,600

Ovation Manual Turntable

Belt drive with 4-point, fluid-damped suspension. 2-in acrylic subchassis; acrylic platter and armboard, both heavily damped with lead; AC motor. 33 1/3 and 45 rpm play speeds. 75 lb. \$4,395

DENON

DP-59L Semiautomatic Turntable

Direct drive. Features AC-servo motor; quartz-lock/magnetic-pulse speed servo; die-cast platter; polished wood base; dust cover; shock isolated feet. Digital speed control of ±9.9% in 0.1% increments; LCD panel. 33 1/3 and 45 rpm play speeds. Speed accuracy 0.002%; wow-and-flutter 0.006%; signal-to-noise ratio 82 dB \$695

DP-47F Automatic Turntable

Linear direct drive. Features auto record-size and speed selection; DC-servo motor; quartz-lock/magnetic-pulse speed servo; die-cast platter; polished wood base; dust cover; shock isolated feet. 33 1/3 and 45 rpm speeds. Speed accuracy 0.002%; w&F 0.01%; S/N 78 dB \$450

DP-23F Automatic Turntable

Linear direct drive. Features DC-servo motor; quartz-lock/magnetic-pulse speed servo; die-cast platter; black finish base; clear dust cover. 33 1/3 and 45 rpm speeds. Speed accuracy 0.002%; w&F 0.02%; S/N 75 dB \$275



DP-7F Automatic Turntable

Linear direct drive. Features P-mount cartridge; DC-servo motor; quartz-lock/magnetic-pulse speed servo; die-cast platter; black finish base; clear dust cover. 33 1/3 and 45 rpm speeds. Speed accuracy 0.01%; w&F 0.018%; S/N 75 dB \$200

DUAL

Golden-1 Semiautomatic Turntable

Features 24-karat gold-plated metal components; gyroscopic gimbal tonearm with low-mass tracking and high-precision torsion spring; tonearm optimization for MC systems; floating chassis; vibration-damped aluminum platter with anti-resonance mat; quartz-controlled motor with microprocessor-controlled speed; viscosity-damped cueing control; contact-free power-off switching with tonearm lifting; record stabilizer; detachable headshell. Adjustable tracking and anti-skating forces. 33 1/3, 45, and 78 rpm speeds. S/N 80 dB; w&F 0.013%. Wood case with black piano-lacquer finish \$1,195

CS-750S Semiautomatic Turntable

Belt drive. Features microprocessor-controlled quartz drive mechanism; aluminum tonearm. 33 1/3, 45, and 78 rpm speeds. S/N 80 dB; w&F 0.014 wrms. Cartridge not included \$750

CS-5054S Semiautomatic Turntable

Belt drive. Features dynamically-balanced gimbal-mounted tonearm; DC motor with electronic speed

control; floating subchassis; vibration-damped aluminum platter with antiresonance mat; solid wood console; viscosity-damped cueing control; detachable headshell. 33 1/3 and 45 rpm speeds. S/N 75 dB; w&F 0.035%. Cartridge not included \$520
 With DN158E cartridge \$605

CS-450G Semiautomatic Turntable

Belt drive. Features dynamically-balanced gimbal-mounted tonearm; DC motor with electronic speed control; floating subchassis; vibration-damped aluminum platter with antiresonance mat; solid wood console; viscosity-damped cueing control; detachable headshell. 33 1/3 and 45 rpm speeds. S/N 72 dB; w&F 0.04%. Optional gold or silver finish on all metal parts. Cartridge not included \$375
 With DMS251E cartridge \$415

CS-431S Semiautomatic Turntable

Belt drive. Features weight-balanced low-mass tonearm; floating chassis; aluminum platter with antiresonance mat; DC motor with electronic speed control; solid wood console; viscosity-damped cue control. Adjustable tracking and anti-skating forces; pitch control. 33 1/3 and 45 rpm speeds. S/N 65 dB; w&F 0.07%. Cartridge not included \$270
 With DMS251S cartridge \$320

ESOTERIC SOUND

Osiris Semiautomatic Turntable

Belt drive. Features brushless DC-servo motor; static-balanced tonearm; sapphire platter thrust bearing; 3-point mounting. Cue lever; pitch control. 33 1/3, 45, 71.29, 76.59, 78.26, and 80 rpm speeds. w&F 0.04%; rumble 80 dB; min tracking force 3 g; pitch control ±7%. 2-yr warranty. 20 1/4 x 16 1/2 x 7 1/2 in. \$1,225

V-3 Manual Turntable

Direct drive. Features brushless DC motor; solenoid platter brake; XLR lamp outlet. Cue lever and motor switch; pitch control; dust cover. 33 1/3, 45, 71.29, 76.59, 78.26, and 80 rpm speeds. w&F 0.025%; rumble 60 dB; min tracking force 1.25 g; pitch control ±8%. 17 3/4 x 13 3/4 x 6 in. \$475
V-3b. As above, separate power supply \$525

V-2 Manual Turntable

Direct drive. Features brushless DC motor; solenoid platter brake; XLR lamp outlet. Cue lever and motor start switch; adjustable tracking and antiskating force; dust cover. 33 1/3, 45, 71.29, 76.59, 78.26, and 80 rpm speeds. w&F 0.025%; rumble 57 dB; min



Basis Debut Gold Vacuum

T U R N T A B L E S

tracking force 1.5 g; pitch control $\pm 10\%$; 16½ x 13¾ x 4½ in \$375
Isis. As above, with continuously variable speed control from 60-130 rpm and vertical/lateral switch \$420

Vintage Semiautomatic Turntable

Belt drive. Features dc motor; P-mount cartridge. 33½, 45, 71.29, 76.59, 78.26, and 80 rpm speeds. w&F 0.045%; rumble 70 dB; pitch control $\pm 8\%$; 17 x 13¾ x 3¾ in \$265

RA-6 Semiautomatic Turntable

Belt drive. Features dc motor; phono cartridge; stylus for LP and 78; auto return. Cue lever and motor start switch; dust cover. 33½, 45, 71.29, 76.59, 78.26, and 80 rpm speeds. w&F 0.045%; rumble 55 dB; min tracking force 2 g; pitch control $\pm 7\%$ \$200

FISHER

MT9020 Semiautomatic Turntable

Belt drive. Features straight tonearm; dc-servo motor; auto tonearm return and shut-off; viscous-damped cueing; magnetic cartridge. 33½ and 45 rpm speeds. w&F 0.065%; rumble 70 dB; tracking error $\pm 1.8^\circ$; 17½ x 4½ x 13¾ in; 6.3 lb \$130

HEYBROOK BY D'ASCANIO AUDIO

TT-3 Series II Manual Turntable

Belt drive with adjustable 3-point cast-aluminum spring-suspension. Features on-board power supply; low-speed synchro motor; 2-piece platter. Removable armboard. Tonearm not included. 33½ and 45 rpm speeds. w&F 1% DIN peak wtd; rumble -73 dB wtd DIN-B. 17½ x 6¼ x 14¼ in; 26 lb \$898

J.A. MICHELL

Gyrodec MkIII Manual Turntable

Belt drive with 3-point suspension. Features 2 ground belts; torque Papst motor; black acrylic concave platter containing graphite and vinyl; record clamp and machine armboard for tonearm; acrylic base; inverted oil pump; cast aluminum chassis; 6 gold-plated-brass weights for gyroscopic effect; clear acrylic dust cover. 33 and 45 rpm speeds. w&F 0.05%; rumble 80 dB. 5-yr warranty. Available in clear or black base. 20 x 6 x 16 in; 42 lb \$1,795
LE Version. As above with clear base, black chassis, gold anodized motor, armboard, and spring caps \$1,995

Syncro MkIII Manual Turntable

Belt drive with 3-point suspension. Features ac-synchronous motor; glass platter; cast-aluminum chassis; clear acrylic base; dust cover; built-in tonearm cable clamp; Rega RB3000 tonearm. 33 and 45 rpm speeds. w&F 0.05%; rumble 77 dB. 5-yr warranty. 18 x 5 x 13 in; 21 lb \$1,350
Micro Version. As above, with black acrylic platter \$1,450

JVC

AL-A155TN Semiautomatic Turntable

Belt drive. Features low-mass statically balanced straight tonearm with low-center-of-gravity support; dc-servo motor; die-cast-aluminum platter; arm-cueing control; plug-in cartridge connectors. w&F 0.04%; sN 65 dB; effective length 220 mm; overhang 15 mm; applicable tracking force 1.25 g. Cartridge not included. 17¼ x 4¼ x 14¼ in; 7 lb \$100

KENWOOD

KD-491FC Automatic Turntable

Belt drive. Features T-4P cartridge. Manual cueing lever; system remote compatible. Includes 45-rpm adaptor and acrylic dust cover. 9 lb \$130

KD-291RC Semiautomatic Turntable

Belt drive. Features manual cueing lever. Includes 45-rpm adaptor and acrylic dust cover. 8 lb \$80



Fisher MT9020

LINN

LP12/Lingo Turntable

Separate direct-coupled isolated power supply. Low-noise oscillators; separate drive for both motor phases. 33 and 45 rpm speeds \$2,545

LP12/Valhalla Manual Turntable

Belt drive. Features 24-pole synchronous motor; 12-in zinc-aluminum alloy die-cast platter with felt mat; hardened-tool steel spindle; adjustable 3-point spring-suspension; heavy-gauge stainless-steel base plate; solid hardwood base; optional 45-rpm adaptor. w&F 0.04% wrms; rumble -60 dB; speed accuracy $\pm 0.04\%$. 17½ x 5½ x 14 in \$1,595

Axis Manual Turntable

Belt drive with pivoted Akito arm. 33½- and 45-rpm speeds. Speed accuracy 0.1%; w&F 0.05%; rumble 75 dB. Effective tonearm length 284 mm \$995

MERRILL AUDIO

KT-1 Manual Turntable

Belt drive with 3-point suspension system. Features cast-acrylic subchassis; integral tonearm mounting platform; oil-well bearing; 24-pole, line-synchronous, crystalline-polymer pulley; aluminum-resin sub-platter with threaded record spindle; 2-piece oversized platter; lead mat; ¾-in oak or walnut base; soft-vinyl dust cover. 33½ speed. w&F 0.1%. Tonearm not included. 18 x 3½ x 15 in; 22 lb \$695
 Anti-magnetic fluid-damped motor pod \$160
 Periphery record clamp \$149
 Screw-down center clamp \$110
 Outboard power supply to allow 45-rpm play \$150
 Hard dust cover \$100
Heirloom II. KT-1 with all options. Features constant-resonance tuning. Black-oak, natural-oak, or walnut finish. 19 x 8 x 15 in \$1,995

ONKYO

CP-101A Semiautomatic Turntable

Belt drive. Features straight tonearm; die-cast aluminum platter; dc-servo motor. Includes cartridge and dust cover \$160

OPTIMUS BY RADIO SHACK

LAB-2250 Automatic Turntable

Belt drive. Features linear-tracking tonearm; die-cast-aluminum platter; power-failure protection; cartridge with elliptical diamond stylus. Cue button. 33½ and 45 rpm speeds. w&F 0.1%; sN 55 dB; effective tonearm length 132 mm; FR 20-20,000 Hz; tracking force 2-3 g. 14¼ x 3¾ x 13¾ in; 8.6 lb \$150

ORACLE

The following turntables do not include a tonearm.

Premiere MkIV Manual Turntable

Belt drive. Power-drive module; variable speed control; adjustable spring-suspension system; record-

coupling system. Includes strobe disc. 33½ and 45 rpm speeds. Silver. 20 x 15 in; 33 lb \$4,500
Premiere Silver/Gold. 20 x 15 in; 43 lb \$5,400
Premiere Black/Gold. Limited edition \$5,800

Delphi MkIV Manual Turntable

Belt drive. Pitch control; adjustable spring-suspension; record-coupling system. Includes strobe disc. 33½ and 45 rpm speeds. Silver. 19 x 14½ in; 28 lb \$3,000
Delphi Black/Gold \$3,800
Turbo Power Supply \$450

Alexandria MkIV Manual Turntable

Belt drive. Pitch control; adjustable spring suspension; record-coupling system. Includes strobe disc. 33½ and 45 rpm speeds. Black piano finish. 19¼ x 14¾ in; 19 lb \$1,700

Paris Manual Turntable

Belt drive. Pitch control; record-coupling system; 4-point suspension. Includes strobe disc. 33½ and 45 rpm speeds. White piano finish. 14½ x 19 in; 15 lb \$1,400
Paris Black. Piano finish \$1,400

PINK TRIANGLE

Anniversary Edition Turntable

Belt drive. Features inverted sapphire bearing system with machined solid-acrylic platter; spring-suspended subchassis made of non-resonant aerolam. dc-servo power supply. Solid hardwood base of natural or black ash. Top plate smoked mirror glass. 33½ and 45 rpm speeds. w&F 0.05%; speed error 0.05% \$3,995

Export Turntable

Belt drive. Features inverted sapphire bearing system with machined solid-acrylic platter; ac-synchronous clock motor and integrated power supply. 33½ and 45 rpm speeds. Rumble -72 dB. Black acrylic top plate \$1,995

LPT Turntable

Belt drive with industrial suspension. Features machined solid-acrylic platter; Medite sub-chassis; non-inverted jewel bearing. Black ash base. 33½ and 45 rpm speeds. Wow-and-flutter 0.05%; rumble -72 dB \$1,199

PIONEER

PL-600 Automatic Turntable

Belt drive. Features dc-servo motor; statically balanced straight tonearm; universal-type MM cartridge with 0.6-ml diamond stylus. Cue control. 33½ and 45 rpm speeds. w&F 0.06%; sN 68 dB; overhang ¾ in; effective arm length 8¾ in \$140

PL-203AZ Semiautomatic Turntable

Belt drive. Features stable-hanging rotor; low-mass straight tone arm. Includes cartridge. w&F 0.07%; sN 68 dB. 19½ x 5½ x 16½ in; 5.5 lb \$95
PN-240. Replacement stylus for above or PL-600\$25

Elite Series

PL-90 Automatic Turntable

Direct drive. Features coreless, quartz-PLL DC-servo motor with stable hanging rotor; straight tonearm made of aluminum and ceramics; dynamic resonance absorption in tonearm. 33 1/3 and 45 rpm speeds. Wow-and-flutter 0.018%; signal-to-noise ratio 85 dB; effective arm length 11 1/8 in; overhang 13.5 mm; recommended cartridge weight 2.4-12 g. 23 1/2 x 8 1/2 x 17 1/8 in; 38.1 lb \$950

REALISTIC BY RADIO SHACK

LAB-340 Semiautomatic Turntable

Belt drive. Features straight tonearm; dual-moving-magnet cartridge with 0.6-mil diamond stylus; die-cast aluminum platter. w&F 0.15%; tracking error +3°, -1°; SN 45 dB; rec tracking force 2.5 g; effective tonearm length 203 mm \$100

REVOLVER

Revolver Super Turntable

Split-plinth belt-drive design. Features glass-filled polyphenylene platter; record clamp; anti-static mat. Redwood veneer \$950
Black ash veneer \$875

Revolver Turntable

Split-plinth belt-drive design. Features medium-density fiberboard platter; AC-synchronous motor; 3 non-adjustable feet; record clamp; anti-static mat; revolver tonearm. Redwood veneer finish \$670
Black-ash veneer \$595

Revolver Rebel Turntable

Includes tonearm and Goldring Elan cartridge. Black-lacquer finish \$449

SONY

PS-LX120D Semiautomatic Turntable

Belt drive. Features low-mass tonearm; servo control motor; P-mount cartridge \$95

SOTA

All SOTA turntables are belt driven and run at 33 1/3 and 45 rpm. All models, except COMET, do not include tonearm, tonearm mounting board, or dust cover, and measure 7 1/2 x 20 1/4 x 16 1/2 in.

Cosmos Turntable

Features inverted sapphire bearing, 12-lb vacuum platter with spring suspension/isolation system. AC-stepper motor and synthesized sign-wave drive. Pitch control; electronic speed change; flywheel filtering. Includes Reflex Clamp. w&F 0.03%; rumble -87 dB. Fountainhead cabinet for turntable and pump/power supply. High-gloss black. 20 lb (pump), 60 lb (turntable) \$4,600
Black/gray matrix or white \$4,000

Nova. As Cosmos, with multilayer 22-lb wood/aluminum and lead sub-assembly. Wood cabinet. Rosewood or ebony. 12 lb (pump); 50 lb (turntable) \$2,900
Light/dark/black oak or satin black \$2,600
Star. As Nova with Star vacuum platter, acrylic mat and self-sensing pump/power supply. Rosewood or ebony. 50 lb (turntable), 12 lb (pump) \$1,950
Light/dark/black oak or satin black \$2,250
Sapphire. As Star, without vacuum pump and Reflex Clamp. Rosewood or ebony. 50 lb \$1,400
Light/dark/black oak or satin black \$1,700
Jewel. As Sapphire, static elastic suspension isolation system. Light/dark/black oak or satin black. 35 lb \$995

Satellite Turntable

Resonance-free polymer platter; AC-synchronous motor; static elastic suspension/isolation system. Includes tonearm and dust cover. w&F 0.1%; rumble -65 dB. Oak or satin black; 25 lb \$595
Comet. As above, monolithic gloss-black acrylic cabinet. 6 x 18 1/2 x 14 in; 20 lb \$550

Turntable Accessories and Options

Dust cover for Cosmos \$250
Dust cover for Nova, Star, Sapphire, Jewel, Satellite \$125
Pre-cut Cosmos armboard \$250
Pre-cut composite armboard \$135
Pre-cut wooden armboard \$50
Reflex Record Clamp (included on all vacuum turntables) \$135
Spike feet set for all except Comet \$60

TECHNICS

SL-1200 MkII Manual Turntable

Direct drive with antiresonant viscoelastic base. Gimbal-suspended tonearm; quartz control; brushless DC motor; aluminum die-cast cabinet. ±8% quartz-locked pitch control; quick start/stop; pop-up stylus light; tonearm-height adjustment. 33 1/3 and 45 rpm speeds. w&F 0.025% \$500

SL-QD33 Automatic Turntable

Direct drive. P-mount cartridge; 2-motor design; quartz lock; ultra-low-speed brushless DC motor for platter; pivoting arm. Strobe light; soft-touch front-panel controls; remote-control compatibility with select Technics receivers. 33 1/3 and 45 rpm. w&F 0.012%; rumble -78 dB; effective tonearm mass 7.5 g, length 9 1/4 in. 17 x 4 1/2 x 14 3/4 in; 10 lb \$220

SL-DD22 Semiautomatic Turntable

Direct drive. Features P-mount cartridge; 2-motor design; PLL quartz lock; low-speed DC brushless motor. Pivoting arm, strobe light, front-panel electronic soft-touch controls. 33 1/3 and 45 rpm speeds. w&F 0.012%; rumble -78 dB; effective tonearm mass 7.5 g, length 9 1/4 in. 17 x 4 1/2 x 14 3/4 in; 10 lb \$180

SL-BD22 Semiautomatic Turntable

Belt drive with vibration-isolation base. Die-cast aluminum gimbal pivot tonearm; P-mount cartridge. Front-panel cueing control. 33 1/3 and 45 rpm speeds. w&F 0.45%; rumble -70 dB (DIN B); effective tonearm mass 7.5 g, length 9 1/4 in. 17 x 4 1/2 x 14 3/4 in; 8 lb \$140

SL-BD20A Semiautomatic Turntable

Belt drive with vibration-absorbing base. Gimbal-suspension tonearm; P-mount cartridge; DC-servo motor. Hinged detachable dust cover; 45-rpm adaptor. 33 1/3 and 45 rpm speeds. w&F 0.045% ± 0.06%; rumble -70 dB; tracking error angle +0 × 32° (inner groove), +2 × 32° (outer groove); tracking force 1.25 g; effective tonearm mass 13.5 g; cartridge weight 6 g. 17 x 3 5/8 x 14 3/4 in; 8 lb \$130

THORENS

The following feature a straight tubular tonearm, gimbal suspension, an antiskate control, and a 9.12-in effective tonearm length.

TD 520 Semiautomatic Turntable

Belt drive. Features electronic speed selection; ±6% pitch control; stroboscope; velocity-sensing auto shut-off trigger; frictionless magnetic antiskating; twin solid-core chassis and 3-point leaf-spring suspension. 33 1/3, 45, and 78 rpm speeds. w&F 0.035%; rumble -72 dB unweighted \$1,450
TD 521. As above, without tonearm \$1,100

TD 320 MkIII Semiautomatic Turntable

Belt drive. Features 16-pole synchronous motor; twin solid-core chassis and 3-point leaf-spring suspension; friction-free velocity sensing auto shut-off triggering. 33 1/3 and 45 rpm speeds. w&F 0.35%. 17 3/8 x 6 3/4 x 13 1/8 in \$775
TD 321. As above, without arm \$550

TD 318 MkIII Semiautomatic Turntable

Belt drive. Features 16-pole synchronous motor; twin solid-core chassis; 3-point leaf-spring suspension; frictionless velocity-sensing auto shut-off trigger. 33 1/3 and 45 rpm speeds. w&F 0.04%. 17 x 6 x 14 in \$600

TD 290 Semiautomatic Turntable

Belt drive. Dynamically balanced, zinc-alloy platter. Auto shut-off; detachable headshell. 33 1/3 and 45 rpm play speeds. 17 x 5 1/4 x 14 in; 14.3 lb \$490

TD 280c MkIII Semiautomatic Turntable

Belt drive. Features 24-pole synchronous motor; 1-piece solid-core chassis and spring damping elements in feet; frictionless velocity-sensing auto shut-off trigger. 33 1/3 and 45 rpm speeds. w&F 0.045%. Includes factory-mounted Ortofon OMB-10 cartridge. 17 x 5 3/8 x 14 in \$400
TD 280 MkIII. As above, without Ortofon cartridge \$375

TD 180 Semiautomatic Turntable

Belt drive. Features synchronous motor; auto shut-off and retract. Includes Stanton 500 cartridge and TP-20 tonearm. 33 1/3, 45, and 78 rpm speeds \$400

VOYD

Voyd Reference Turntable

Belt drive. Cont variable speed. 33 1/3 rpm. w&F 0.0001%; rumble 90 dB; speed accuracy ± 0.001% \$12,000
Voyd .5. As above. w&F 0.001% \$6,600

Voyd Turntable

Belt drive. 33 1/3 and 45 rpm speeds. w&F 0.01%, rumble 85 dB; speed accuracy ± 0.01%. 20 1/2 x 17 x 7 in \$3,200

Valdi Turntable

Belt drive. 33 1/3 and 45 rpm speeds. w&F 0.01% rumble 80 dB; speed accuracy ± 0.01%. 18 x 14 x 6 in \$2,000

VPI

TNT Series 2 Turntable

Belt drive. Fixed cartridge mount. Continuous variable speed. w&F 0.02%; rumble 86 dB; speed accuracy 0.01%. 21 x 19 x 8 in \$3,500

HW-19JR Plus. As above, with 33 1/3 and 45 rpm speeds. w&F 0.03%; rumble 81 dB; speed accuracy 0.03%. 21 1/4 x 16 1/2 x 7 in \$1,800

HW-19 MkIV. As above, with 0.05% speed accuracy \$1,800

HW-19 MkIII. As above, with rumble 79 dB \$1,200

HW-19JR. As above, with 21 1/4 x 16 1/2 x 6 in \$600

WELL TEMPERED

The Well Tempered Classic Turntable

Belt-drive with 0-clearance-bearing fluid-damped arm. Features 3-layer MDF base construction; vertical-tracking and azimuth controls; isolated, damped motor assembly. Fountainhead base \$3,370
Classic arm and table, glossy finish \$2,195
Classic arm and table, satin finish \$1,995
Classic arm \$900
Classic base only, glossy finish \$750
Dust cover \$100
Damped platter \$300

The Well Tempered Record Player

Belt-drive with 0-clearance-bearing fluid-damped arm. Features three-layer MDF base construction; vertical-tracking, antiskating and azimuth controls; isolated, damped motor assembly. Glossy finish \$1,195
Dust cover \$100
Damped platter \$400

YAMAHA

TT-400U Automatic Turntable

Belt drive. Features straight tonearm; dslc clamper; resonance-absorbing mat. RS-system compatibility \$239

TT-300U Semiautomatic Turntable

Belt drive. Features straight tonearm design; resonance-absorbing mat. EP adaptor \$189

C A R T R I D G E S & T O N E A R M S

ADCOM

SXC van den Hul Moving-Coil Phono Cartridge

Van den Hul stylus. Features 3.5-micron contact radius; tubular sapphire aluminum cantilever; vertical groove extended to 85 microns; cross-coil armature. Output 2.3 mV at 5 cm/sec; FR 20-20,000 Hz +3, -0 dB; tracking force 1.8 g; ch sep 20 dB from 200-20,000 Hz. 4.7 g \$500

XC-MR11 Moving-Coil Phono Cartridge

Nude-mounted square-shank stylus. Features thin-walled aluminum cantilever; cross-coil armature. Output 2.3 mV at 5 cm/sec; FR 20-20,000 Hz ±1 dB; ch sep 28 dB at 1,000 Hz; tracking force 1.8 g. 4.7 g \$360

XC-LT11 Moving-Coil Phono Cartridge

Line-trace stylus. Features thin-wall aluminum cantilever; cross-coil armature. Output 2.3 mV at 5 cm/sec; FR 20-20,000 Hz, ±1 dB; ch sep 28 dB at 1,000 Hz; tracking force 1.8 g; effective lip mass 0.35 mg. 4.7 g \$290

HC van den Hul II Moving-Coil Phono Cartridge

Van den Hul spherical stylus. Features thin-wall aluminum cantilever; cross-coil armature. Output 2.3 mV at 5 cm/sec; FR 20-15,000 Hz +1.5, -1 dB; 20-20,000 Hz +2.5, -1 dB; tracking force 2 g; 4.7 g \$250

HC-E II. As above, with elliptical stylus \$160

AIRTANGENT

Reference Tonearm

Air-bearing, parallel-tracking tonearm. Features interchangeable arm wand. Adjustable vertical tracking angle; remote cueing. Tracking force 0.5-5 g. Cartridge weight 4-20 g \$12,900

Model 1B Tonearm

Air-bearing, parallel-tracking tonearm. Features magnesium armtube; interchangeable arm wand. Adjustable vertical tracking angle; cueing. Tracking force 0.5-4 g. Cartridge weight 4-17 g \$3,650

ARCAM

Common specs include 4 mV output at 5 cm/sec; FR 20-20,000 Hz; tracking force 1.6-2 g; plastic body weight 6 g, magnesium weight 6.3 g. Available in magnesium or plastic-body.

P77Mg Cartridge. Profiled stylus \$185

E77Mg Cartridge. Elliptical stylus \$150

ARGENT

Diamond Moving-Coil Phono Cartridge

Parabolic nude diamond stylus. Features diamond cantilever; solid-sapphire mounting base; one-point suspension system with two-shoulder damper. Output 0.2 mV at 5 cm/sec; FR 10-50,000 Hz; ch sep 30 dB at 1,000 Hz; tracking force 1.8-2.2 g. Cartridge weight 8 g \$1,200

Replacement stylus \$600

MC-110. As above, line-contact nude diamond stylus and titanium cantilever \$300

Replacement stylus \$150

MC-500HR Moving-Coil Phono Cartridge

Hyper-elliptical ruby stylus. Features one-point suspension system with two-shoulder damper. Output 1.9 mV at 5 cm/sec; FR 10-50,000 Hz; ch sep 25 dB at 1,000 Hz; tracking force 1.8-2.2 g. Cartridge weight 7 g \$300

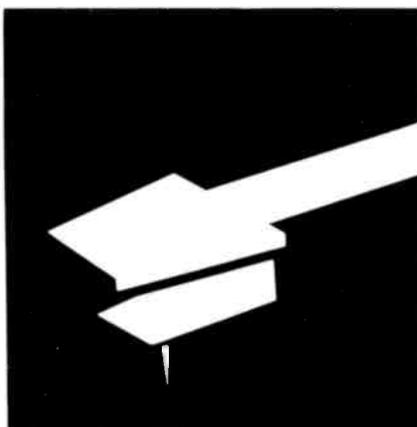
Replacement stylus \$150

MC-500HS. As above, sapphire stylus \$260

Replacement stylus \$130

MC-500H Moving-Coil Phono Cartridge

Parabolic nude diamond stylus. Features boron cantilever; one-point suspension system with two-shoulder damper. Output 1.9 mV at 5 cm/sec; FR 10-40,000 Hz; ch sep 25 dB at 1,000 Hz; tracking force



1.8-2.2 g. Cartridge weight 7 g \$200
Replacement stylus \$100
MC-300. As MC-500H, output 0.1 mV \$150
Replacement stylus \$60
MC-310. As MC-500H, elliptical nude diamond stylus and aluminum cantilever. Output 0.1 mV at 5 cm/sec \$100
Replacement stylus \$40

AUDIO BY VAN ALSTINE

Longhorn Z Phono Cartridge

Internally damped, externally stabilized phono cartridge. FR 10-60,000 Hz; ch sep 30 dB; output 4 mV; tracking force 1.5 g \$99

AUDIO NOTE

Lo-Signature Phono Cartridge

mc design with van den Hul stylus. Features gunmetal body; titanium cantilever; energized silver coils; separate constant-current power supply with tube rectification and SRPP output stage. Ch sep 44 dB at 1,000 Hz, 35 dB at 10,000 Hz; tracking force 1.8-3 g \$7,500

Replacement stylus \$2,750

Lo-LTD. As Lo-Signature, dc power supply \$4,000

Replacement stylus \$2,000

Lo-2. As Lo-Signature, without separate power supply \$2,100

Replacement stylus \$1,200

Lo-1. As Lo-Signature, with aluminum body and cantilever \$1,650

Replacement stylus \$1,000

AN-2's Tonearm

Features pivoted, bimetallic self-damping arm with fixed cartridge mount. Silver wire and interconnects. Cueing; antiskating adjuster; adjustable vertical tracking angle. Tracking force 1-4 g; overall length 266.7 mm; pivot-to-stylus distance 254 mm; max tracking error 1.5°/in; cartridge weight 6-24 g; cable capacitance 500 pF; mounting-hole diameter 63.5 mm \$3,395

AN-1/s. As AN-1/s, no 12-in armtube \$2,395

AN-1/c. As AN-1/s, with copper interconnect \$1,995

AN-0/s. As AN-1/s, with aluminum tube \$1,395

AN-0/c. As AN-0/s, with copper interconnect \$995

AUDIOQUEST

7000-NSX Moving-Coil Phono Cartridge

Line-contact stylus. Solid-silver coil; nonresonant body geometry. Output 0.3 mV; tracking force 1.9 g. 9.5 g \$1,595

AQ B-200 Moving-Coil Phono Cartridge

Line-contact stylus. Machined-aluminum sandwich body; hollow-boron cantilever. Available with 1.2 mV or 0.5 mV output \$995

AQ 404i Moving-Coil Phono Cartridge

Line-contact stylus. Cast-aluminum body; hollow-bo-

ron cantilever. Available with 1.2 mV or 0.5 mV output \$650

AQ MC-5 Moving-Coil Phono Cartridge

Line-contact stylus. Nonresonant polymer body; aluminum cantilever. Output 1.4 mV; FR 20-30,000 Hz \$395

AQ MC-4 Moving-Coil Phono Cartridge

Elliptical stylus. Aluminum cantilever; nonresonant polymer body; direct-phono input. Output 2.5 mV; FR 20-20,000 Hz \$275

AQ MC-3 Moving-Coil Phono Cartridge

Elliptical stylus. Nonresonant polymer body; aluminum cantilever. Output 3 mV; FR 20-20,000 Hz; tracking force 2 g \$175

AQ M-1 Phono Cartridge

Elliptical stylus. Induced magnetic cartridge. FR 20-20,000 Hz; tracking force 1.5 g \$99

Tonearms

AQ PT-7 Tonearm

Straight design. LC-OFHC wiring; precision bearing; nonresonant aluminum/polyolefin structure; nondetachable headshell; pure-copper/Teflon plug-in tonearm cable; pivot-to-stylus length 229 mm. Adjustable viscous damping at pivot point \$495

AQ PT-6. As above, standard-grade plug-in cable \$395

AUDIO-TECHNICA

The following feature a dual-moving-magnet design.

ATML170 Phono Cartridge

Nude-mounted square-shank stylus. Features paratoroidal PC-occ coils. Output 4 mV; tracking force 1.25 +3, -0 dB; FR 5-40,000 Hz; ch sep 31 dB at 1,000 Hz. 7 g \$345

AT440ML Phono Cartridge

Nude-mounted square-shank micro-linear stylus. Features paratoroidal PC-occ coils. Output 5 mV; tracking force 0.8-1.6 g; FR 5-32,000 Hz; ch sep 30 dB at 1,000 Hz. 6 g \$195

AT130E/T Phono Cartridge

0.2 x 0.7-mm biradial nude-mounted stylus; paratoroidal OFC coils. Tracking force 0.8-1.8 g; FR 10-30,000 Hz; ch sep 30 dB at 1,000 Hz. 6.4 g \$135

AT120E/T Phono Cartridge

0.3 x 0.7-mm titanium-bonded stylus; OFC coils. Output 5 mV; tracking force 1-1.8 g; FR 15-25,000 Hz; ch sep 29 dB at 1,000 Hz. 6.4 g \$95

P-Mounted Series

AT132EP Phono Cartridge

0.2 x 0.7-mm biradial nude-mounted stylus; paratoroidal OFC coils. Output 5 mV; tracking force 1-1.5 g; FR 10-30,000 Hz; ch sep 30 dB at 1,000 Hz \$150

AT331LP Phono Cartridge

Linear-contact stylus. Output 5 mV; tracking force 1.8-2.2 g; FR 10-30,000 Hz; ch sep 31 dB at 1,000 Hz. 6 g \$145

AT316EP Phono Cartridge

0.3 x 0.7-mm biradial nude-mounted stylus. Output 5 mV; tracking force 1.8-2.2 g; FR 10-27,000 Hz; ch sep 29 dB at 1,000 Hz. 6 g \$100

AT311EP Phono Cartridge

Bonded 0.4 x 0.7-mil biradial stylus. Output 5 mV; tracking force 1.8-2.2 g; FR 15-27,000 Hz; ch sep 29 dB at 1,000 Hz. 6 g \$75

AT301EP Phono Cartridge

Bonded 0.4 x 0.7-mil biradial stylus. Output 5 mV; tracking force 1.8-2.2 g; FR 15-25,000 Hz; ch sep 26 dB at 1,000 Hz. 6 g \$65

C A R T R I D G E S & T O N E A R M S

AT300P Phono Cartridge

Bonded 0.7-mil unradial stylus. Output 5 mV; tracking force 1.8-2.2 g; FR 20-22,000 Hz; ch sep 26 dB at 1,000 Hz. 6 g \$55

BANG & OLUFSEN

MMC Series

MMC-1 Phono Cartridge

Nude multiradial diamond stylus mounted on sapphire cantilever. Effective tip mass 0.25 mg; recommended tracking force 1 g; FR 20-20,000 Hz \pm 1 dB; ch sep 30 dB at 1,000 Hz; compliance 30 μ m/mN. 1.6 g \$500

MMC-2 Phono Cartridge

Nude multiradial diamond stylus mounted on sapphire cantilever. Effective tip mass 0.3 mg; recommended tracking force 1 g; FR 20-20,000 Hz \pm 1.5 dB; ch sep 25 dB at 1,000 Hz; compliance 30 μ m/mN. 1.6 g \$270

MMC-3 Phono Cartridge

Nude elliptical diamond stylus mounted on tapered aluminum cantilever. Effective tip mass 0.35 mg; recommended tracking force 1.2 g; FR 20-20,000 Hz \pm 2 dB; ch sep 25 dB; compliance 25 μ m/mN. 1.6 g \$170

MMC-4 Phono Cartridge

Titanium-bonded elliptical diamond stylus mounted on tapered aluminum cantilever. Effective tip mass 0.4 mg; recommended tracking force 1.2 g; FR 20-20,000 Hz \pm 2.5 dB; ch sep 22 dB at 1,000 Hz; compliance 20 μ m/mN. 1.6 g \$100

MMC-5 Phono Cartridge

Titanium-bonded elliptical diamond stylus mounted on straight aluminum cantilever. Effective tip mass 0.5 mg; recommended tracking force 1.5 g; FR 20-20,000 Hz \pm 3 dB; ch sep 20 dB at 1,000 Hz; compliance 20 μ m/mN. 1.6 g \$70

DENNESEN

ABL-1 Tonearm

Air-bearing lateral-tracking tonearm. Includes air pump. Entire arm-tube removable. Stylus overhang 0 mm. Overall length and effective length adjustable. 1.5 lb with pump \$2,000

DENON

DL-160 Moving-Coil Phono Cartridge

Output 1.6 mV at 50 mm/sec; FR 20-50,000 Hz; sep 28 dB at 1,000 Hz; tracking-force range 1.6 g \pm 0.3. Cartridge weight 4.8 g \$115

DL-110 Moving-Coil Phono Cartridge

Output 1.6 mV at 50 mm/sec; FR 20-45,000 Hz; sep 25 dB at 1,000 Hz; tracking-force range 1.8 \pm 0.3 g. Cartridge weight 4.8 g \$85

DYNAVECTOR

XX-1L Phono Cartridge

Micro ridge stylus. Features solid boron cantilever. Output 0.25 mV at 5 cm/s; FR 20-20,000 Hz \pm 1 dB; ch sep 30 dB at 1,000 Hz; tracking force 1.9-2.3 g. 12 g \$1,100

XX-1 Phono Cartridge

Line contact stylus. Solid boron cantilever. Output 2.0 mV; FR 20-20,000 Hz \pm 1 dB; ch sep 30 dB at 1,000 Hz; tracking force 1.8-2.2 g. 12 g \$1,100

Model 17D2 Phono Cartridge

Micro reach stylus. Straight solid diamond cantilever. Output 0.15 mV at 5 cm/s; FR 20-100,000 Hz; ch sep 25 dB at 1,000 Hz; tracking force 1.8-2 g. 5.3 g \$620

Model 23RS Phono Cartridge

Micro reach stylus. Solid tapered ruby cantilever. Output 0.15 mV at 5 cm/s; FR 20-80,000 Hz; ch sep

25 dB at 1,000 Hz; tracking force 1.7-1.9 grams. 5.3 g \$470

Model 10X4 Phono Cartridge

Nude diamond elliptical stylus. Straight aluminum pipe cantilever. Output 2 mV at 5 cm/s; FR 20-20,000 Hz \pm 2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.5-1.9 g. 4.6 g \$260

Model 50X Phono Cartridge

Elliptical stylus. Aluminum pipe cantilever. Output 2 mV at 5 cm/s; FR 20-20,000 Hz \pm 2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.5-1.7 g. 4.5 g \$210

EMINENT TECHNOLOGY

Model 2 Straight Tonearm

Straight-line-tracking air-bearing design. Adjustable VTA/SRA over arc while playing record. Tracking force range 0-5 g; effective mass 5-20 g vertical. 20-30 g horizontal; overall length 290 mm; effective length 180 mm. Total mass 400 g \$1,250

EPOCH BY STANTON

Epoch II Series HZ9S Cartridge

MM cartridge with stereohedron stylus. Output 0.8 mV; FR 10-25,000 Hz; ch sep 35 dB at 1,000 Hz; tracking force 0.75-1.5 g. 4 g \$250
LZ9S. As above, output 0.04 mV, FR 10-50,000 Hz 3.8 g \$250
HZ8S. As above, output 0.8 mV, FR 10-20,000 Hz. 4 g \$190
LZ8S. As LZ9S. FR 10-20,000 Hz. 3.8 g \$190
HZ7S. As HZ8S, ch sep 30 dB at 1,000 Hz, tracking 0.75-1.25 g. 4 g \$120
HZ6E. As HZ7S, with elliptical stylus \$95

GOLDRING

Excel Moving-Coil Phono Cartridge

Van den Hul 1 stylus. Neodymium magnet; rosewood frontpiece; aluminum sideplates. FR 20-30,000 Hz \pm 2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.7 g \$1,295

Elite Moving-Coil Phono Cartridge

Gyger 1 stylus. FR 20-30,000 Hz \pm 2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.7 g \$575

Eroica Moving-Coil Phono Cartridge

Low output version. FR 20-30,000 Hz \pm 2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.7 g \$350
 High output version. FR 20-22,000 Hz \pm 3 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.7 g \$300

Epic II Phono Cartridge

FR 20-20,000 Hz \pm 3 dB; ch sep 20 dB at 1,000 Hz; tracking force 1.75 g \$99

Elan. FR 20-20,000 Hz \pm 3 dB; ch sep 20 dB at 1,000 Hz; tracking force 2 g \$60

1000 Series

MM phono cartridges with interchangeable styli.

Model 1042. Gyger S stylus. FR 20-20,000 Hz \pm 2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.75 g \$275
Model 1022. As above, Gyger II stylus \$200
Model 1012. As above, Gyger I stylus \$150
 With 78 rpm stylus \$150

GRADO LABORATORIES

Z2+ Phono Cartridge

0.15 x 0.9-mil stylus. Features moving-iron design; P-mount/standard mount. Output 1.4 mV at 5 cm/sec; FR 10-60,000 Hz; ch sep 25 dB at 10,000 Hz; tracking force 1.5 g. Cartridge weight 5 g \$265
 Replacement stylus \$110

Z1+ Phono Cartridge

0.2 x 0.2-mil stylus. Features moving-iron design; P-mount/standard mount. Output 1.4 millivolts at 5 cm/

sec; frequency response 10-60,000 Hz; channel separation 25 dB at 10,000 Hz; tracking force 1.5 g. Cartridge weight 5 g \$180
 Replacement stylus \$75

Z+ Phono Cartridge

Elliptical stylus. Features moving-iron design; P-mount/standard mount. Output 4 mV at 5 cm/sec; FR 10-55,000 Hz; tracking force 1-2 g. Cartridge weight 5.5 g \$130
 Replacement stylus \$55

Signature Jr. Phono Cartridge

0.2 x 0.2-mil stylus. Features flux-bridge design; standard mount. Output 5 mV at 5 cm/sec; FR 10-60,000 Hz; ch sep 35 dB at 1,000 Hz; tracking force 1.5 g. Cartridge weight 5 g \$125
 Replacement stylus \$63

ZF1+ Phono Cartridge

Elliptical stylus. Features moving-iron design; P-mount/standard mount. Output 4 millivolts at 5 cm/sec; frequency response 10-55,000 Hz; channel separation 25 dB at 10,000 Hz; tracking force 1-2 g. Cartridge weight 5.5 g \$110
 Replacement stylus \$45

ZF2+ Phono Cartridge

Elliptical stylus. Features moving-iron design; P-mount/standard mount. Output 4 mV at 5 cm/sec; FR 10-55,000 Hz; ch sep 25 dB at 10,000 Hz; tracking force 1-2 g. Cartridge weight 5.5 g \$86
 Replacement stylus \$36

DJ-100 Phono Cartridge

Two elliptical styli. Features moving-iron design; standard mount. Output 4 mV at 5 cm/sec; FR 10-50,000 Hz; ch sep 25 dB at 10,000 Hz; tracking force 2-5 g. Cartridge weight 5.5 g \$85
 Replacement styli \$55/pr

ZF3E+ Phono Cartridge

Elliptical stylus. Features moving-iron design; P-mount/standard mount. Output 4 mV at 5 cm/sec; FR 10-55,000 Hz; ch sep 25 dB at 10,000 Hz; tracking force 1-2 g. Cartridge weight 5.5 g \$69
 Replacement stylus \$33

ZCE+1 Phono Cartridge

Elliptical stylus. Features moving-iron design; P-mounting/standard mount. Output 4 millivolts at 5 cm/sec; frequency response 10-50,000 Hz; channel separation 20 dB at 10,000 Hz; tracking force 1-2 g. Cartridge weight 5.5 g \$55
 Replacement stylus \$30

ZCE+ Phono Cartridge

Elliptical stylus. Features moving-iron design; standard mount. Output 4 mV at 5 cm/sec; FR 10-50,000 Hz; ch sep 20 dB at 10,000 Hz; tracking force 2-3 g. Cartridge weight 5.5 g \$45
 Replacement stylus \$28

ZTE+ Phono Cartridge

Elliptical stylus. Features moving-iron design; standard mount. Output 4 mV at 5 cm/sec; FR 10-50,000 Hz; ch sep 25 dB at 10,000 Hz; tracking force 2-3 g. Cartridge weight 5.5 g \$38
 Replacement stylus \$21

ZTE+1 Phono Cartridge

Elliptical stylus. Features moving-iron design; P-mount/standard mount. Output 4 mV at 5 cm/sec; FR 10-50,000 Hz; tracking force 1-2 g. Cartridge weight 5.5 g \$33
 Replacement stylus \$20

GRAHAM ENGINEERING

Model 1.5t Tonearm

Pivot design. Features arm tube damping; tungsten balancing weights for azimuth control; silver wiring. Interchangeable arm wands; counterweight adaptors; self-locking, μ m-stepped adjustments for overhang, azimuth, VTA, and tracking force. Includes

C A R T R I D G E S & T O N E A R M S

installation kit and cartridge alignment fixture. SME-compatible mounting on most turntables \$2,450

HEYBROOK

The Heybrook Tonearm

Straight design. Pivoted tracking; magnesium tube; fixed headshell. Adjustable VTA; locking counterweight. Tracking force 0-3 g \$549

JOSEPH GRADO SIGNATURE

XTZII Phono Cartridge

Flux bridge. Ch sep 35 dB at 1,000 Hz; 3.5 mV output at 1,000 Hz; tracking force 1.5 g; stylus radius 0.15 x 0.9. 5 g \$750
 Replacement stylus \$375
TLZII. As above, stylus radius 0.15 x 0.9 \$500
 Replacement stylus \$250
MCZII. As above, stylus radius 0.15 x 0.9 \$300
 Replacement stylus \$150
SMZII. As above, stylus radius 0.2 x 0.2 \$200
 Replacement stylus \$100

KOETSU

The following are made of samarium-cobalt, neodymium, and platinum-ferric magnets with an iron core and stress-free copper windings.

Rosewood Pro IV Cartridge \$3,995
Urushi \$2,775

Series 90 Moving-Coil Cartridges

Rosewood Signature \$2,150
 Retipping service \$1,200
Rosewood MkII \$1,595
Rosewood \$1,250
 Retipping service \$700

JOHN MAROVSKIS

JMAS MIT-1 Moving-Coil Phono Cartridge

Van den Hul stylus. Output 0.25 mV at 1,000 Hz and 5 cm/sec; FR 10-10,000 Hz ± 1 dB; ch sep 25 dB at 1,000 Hz; tracking force 2.25-2.5 g. 5.5 g \$650
 Replacement stylus \$325

NAIM

ARO Tonearm

Features pivot design; balanced weight assembly; adjustable arm height. Effective length 230 mm; overhang 18 mm; cartridge weight 5.5-12 g; cartridge-mounting height 40-55 mm \$1,855
ARO Arm Top \$995
ARO-MATIC Arm Lift \$235

ORACLE

SME 345 Tonearm

Pivot design. Static tracking-force adjustment; spring antiskating method; detachable headshell; adjustable vertical tracking angle. Effective length 233 mm; effective mass 9.5 g; cartridge weight 5-10 g \$2,000
Black. With gold ORACLE lettering \$2,400

ORTOFON

Ortophase Moving Coil Series

MC5000 Phono Cartridge

Features Ortofon Replicant 100 stylus; sapphire cantilever; aluminum-oxide cartridge body; 30- μ m OFC windings. Stylus tip radius 5 x 100 μ m; equivalent tip mass 0.25 mg; output voltage 0.1 mV at 1,000 Hz, 5 cm/sec; ch sep 25 dB and ch balance 0.5 dB at 1,000 Hz; dynamic compliance 12 μ m/12 mN (lateral/vertical); FR 5-20-20,000 Hz ± 2.5 , -0 dB; tracking angle 20°; tracking force 2.5 g. 9.5 g \$2,000

MC3000II Phono Cartridge

Low-mass (0.25 mg) system features Ortofon Replicant 100 stylus; conical aluminum cantilever; carbon-fiber armature; silver coil windings; neodymium per-

manent magnet. Output voltage 0.1 mV at 1,000 Hz 5, cm/sec; ch sep 25 dB at 1,000 Hz; FR 5-90,000 Hz ± 4 , -1 dB. 9.5 g \$1,600

MC10 Super

Elliptical nude stylus. Vertical tracking angle 20°; output 0.25 mV at 1 kHz, 5 cm/sec; FR 20-20,000 Hz ± 1 dB; tracking force 1.5 g. 7 g \$120

Q-Series Moving-Coil Cartridges

Quasar Phono Cartridge

Replicant stylus. Features extruded-aluminum cartridge body. Output voltage 200 μ V; FR 20-20,000 Hz ± 4 , -1 dB; ch sep 25 dB; ch bal 1 dB; tracking angle 20°; tracking force range 1.6-2 g; tracking ability 90 μ m. 10 g \$650

Quattro Phono Cartridge

FG 2 stylus. Extruded-aluminum body. Output voltage 200 μ V; FR 20-20,000 Hz ± 4 , -1 dB; ch sep 25 dB; ch bal 1 dB; tracking angle 20°; tracking force range 1.6-2 g; tracking ability 80 μ m. 10 g \$450

Quartz Phono Cartridge

Elliptical nude stylus. Features extruded-aluminum cartridge body. Output voltage 500 μ V; FR 20-20,000 Hz ± 4 , -1 dB; ch sep 25 dB; ch bal 1.5 dB; tracking angle 20°; tracking force range 1.8-2.2 g; tracking ability 70 μ m. 10 g \$350

High-Output Moving-Coil Series

X5MC Phono Cartridge

Fg type 2 nude diamond stylus. Features focused magnetic field; 230 coil-windings per pole piece. Output 2 mV at 5 cm/sec. FR 15-40,000 Hz ± 4 , -1.5 dB; ch sep 25 dB at 1,000 Hz. 4.1 g \$300

X3-MC Phono Cartridge

Nude fine-line diamond stylus. Features focused magnetic field; 230 coil-windings per pole piece. Output 2 mV at 5 cm/sec; FR 20-40,000 Hz ± 4 , -1.5 dB; tracking-force range 1.8-2.2 g; vertical tracking angle 23°. 4.1 g \$175
X3-MCP. P-mount version of above \$175

X1-MC Phono Cartridge

Elliptical diamond stylus. Low-moving mass aluminum cantilever. Output 2 mV at 5 cm/sec; FR 20-30,000 Hz ± 4 , -1.5 dB; ch sep 22 dB at 1,000 Hz; tracking-force range 1.75-2.2 g; vertical tracking angle 23°. 4.1 g \$125
X1-MCP. P-mount version of above \$125

Optimum-Mass Series

OM-30 Super Phono Cartridge

Nude fine-line diamond stylus. Features low-mass variable-magnet-shunt phono cartridge; plastic car-

tridge body. Tracking force 1.25 grams; FR 20-27,000 Hz; output voltage 3.5 mV at 1,000 Hz, 5 cm/sec; ch sep 25 dB at 1,000 Hz \$225

OM-20 Super. As OM-30, with more rectangular stylus; designed for medium-weight tonearms. Output voltage 4 mV at 1,000 Hz 5 cm/sec \$150

OMP-20. P-mount version of above; 6 g \$150

OM-10 Super. As OM-20, for heavier tonearms. Tracking force 1.5 gram; output voltage 4 mV at 1,000 Hz 5 cm/sec; ch sep 22 dB at 1,000 Hz \$75

OMP-10. P-mount version of above; 6 g \$75

OM-5E. As OM-10, for heavier tonearms. Tracking force 1.5 g; FR 20-20,000 Hz \$50

OMP-5E. P-mount version of above \$50

Universal Series

TM20U Phono Cartridge

Square-shank nude elliptical diamond stylus. Features variable-magnetic-shunt cartridge. Universal mount. Output 4 mV at 1 kHz, 5 cm/sec; FR 20-25,000 Hz; ch bal 1.5 dB; ch sep 25 dB. 6 g \$129

TM14U Phono Cartridge

Elliptical diamond stylus. Universal mount. FR 20-20,000 Hz; output 4.5 mV; ch sep 25 dB and ch balance 1.5 dB at 1,000 Hz; equivalent stylus tip mass 0.5 mg; tracking force 1.25 g \$89

TM7U Phono Cartridge

Elliptical diamond stylus. Universal mount. FR 20-20,000 Hz; output 5 mV at 1,000 Hz, 5 cm/sec; ch sep 22 dB and ch balance 2 dB at 1,000 Hz; tracking force 1.25 g; equivalent tip mass 0.5 mg \$60

FF15XE MkII Phono Cartridge

8- μ m elliptical-diamond stylus. Variable magnetic shunt. Output 3.2 mV at 1,000 Hz, 1 cm/sec; ch sep 20 dB and ch balance 2 dB at 1,000 Hz; tracking force 1.5-3 g. 5 g \$50

Pro Series Moving-Magnet Kits

Concorde Pro Phono Cartridge

2 spherical styli. FR 20-20,000 Hz; output 5 mV at 1,000 Hz, 5 cm/sec; ch sep 20 dB and ch balance 2 dB at 1,000 Hz. 16 g \$100

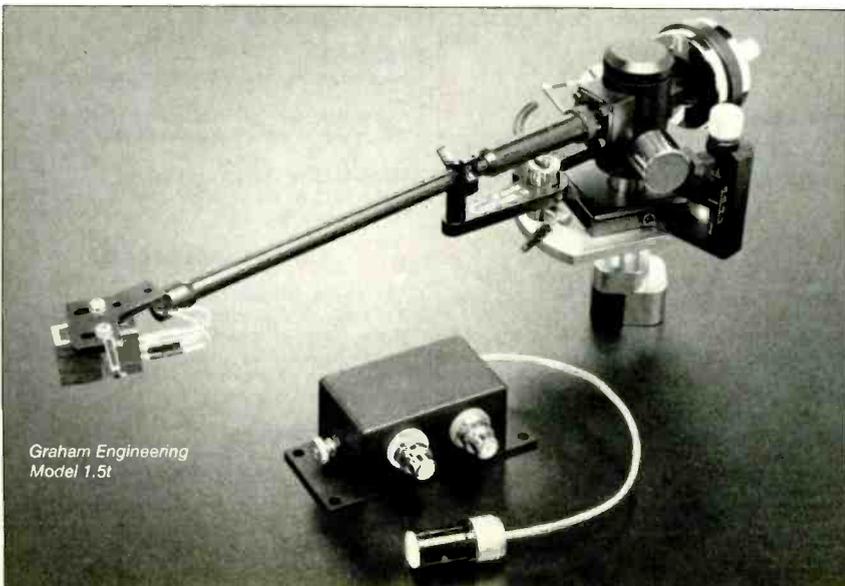
OM Pro Phono Cartridge

2 spherical styli. Features aluminum cantilever. Output 5 mV at 5 cm/sec; FR 20-18,000 Hz ± 3 dB; ch sep 20 dB at 1,000 Hz; tracking 3-5 g. 5 g \$56
Stylus Pro. Replacement stylus \$22

PICKERING

XSV/5000 Phono Cartridge

Nude stereohedron diamond stylus tip. Includes dust brush; replacement stylus D5000. Output 3.8 mV; FR 10-50,000 Hz; tracking force 0.5-1.5 g \$330



Graham Engineering
Model 1.5t

XV-15/625E Phono Cartridge

0.3 x 0.7-mil elliptical stylus. Includes dust brush; replacement stylus. Output 4.4 mV at 5.5 cm/sec; FR 10-25,000 Hz; tracking force 0.75-1.5 g; ch sep 35 dB \$133

XV-15/625DJ Phono Cartridge

0.3 x 0.7-mil elliptical stylus. Designed for professional use. Output 0.8 mV/cm/sec; ch sep 30 dB; tracking force 1-4 g \$98

XV-15/150DJ Phono Cartridge

0.7 mil spherical stylus tip. Extra-high-output cartridge; designed for DJ's. FR 10-20,000 Hz; ch sep 28 dB; tracking force 2-4 g \$95

V15-DJ Phono Cartridge. Spherical stylus; standard mount. Output 4.4 mV; tracking force 2-5 g. 5.5 g \$43

P-Mount Cartridges

TL-1. Elliptical stylus. 2-coil moving magnet. Output 4.4 mV; FR 10-20,000 Hz; tracking 0.75-1.5 g . \$102

TL625DJ. Includes replacement stylus DJL. Output 4.4 mV; FR 20-20,000 Hz; tracking force 3.5-4 g \$98

TLE Type 2. Elliptical stylus. Output 3 mV; FR 10-22,000 Hz; tracking force 0.75-1.5 g \$72

TLE. Elliptical stylus. Output 4.4 mV; FR 10-20,000 Hz; tracking force 0.75-1.5 g \$66

PIONEER

PC-295T Phono Cartridge

P-mount cartridge with induced-magnet design. FR 10-33,000 Hz; output voltage 2.5 mV; tracking force 1.25 g \$80
PN-295T. Replacement stylus \$35

PC-300T Phono Cartridge. P-mount cartridge with induced-magnet design. FR 10-33,000 Hz; output voltage 2.5 mV; tracking force 1.25 g \$80
PN-300T. Replacement stylus \$30

PC-290T Phono Cartridge. P-mount cartridge with induced-magnet design. FR 10-33,000 Hz; output voltage 2.5 mV; tracking force 1.25 g \$70
PN-290T. Replacement stylus \$30

PC-5MC Moving-Coil Phono Cartridge

High-output mc cartridge. FR 10-32,000 Hz; output voltage 2 mV; tracking force 1.7-2.3 g \$54
PN-5MC. Replacement stylus \$32

PC-250T Phono Cartridge

P-mount cartridge. FR 10-30,000 Hz; output voltage 2.5 mV; tracking force 1-1.5 g \$50
PN-250T. Replacement stylus \$20

REALISTIC BY RADIO SHACK

V15 Realistic/Shure Phono Cartridge. Stabilizer; viscous damping for tracking warped records. Tracking force 1.25-1.75 g; FR 5-30,000 Hz \$80

RXP3 Realistic/Shure Phono Cartridge. Elliptical diamond stylus. Feature P-mount design. Tracking force 1.25 g \$30

RS500DJ Realistic/Stanton Phono Cartridge. Pro Series cartridge designed for back-cueing and scratch-mixing. Tracking force 2.5 g \$30
R500DJ. Replacement stylus \$20

RX1500 Phono Cartridge. Diamond elliptical stylus. Features dual-magnet design. Tracking force 1-1.5 g \$30

R47XT Realistic/Shure Phono Cartridge. 10 x 18-micron elliptical diamond stylus. Tracking force 1.75-2.25 g; ch sep 20 dB \$27

R25XT Realistic/Shure Phono Cartridge. 10 x 18-micron elliptical diamond stylus. Tracking force 2.5-3.5 g \$20

REVOLVER

Revolver Straight Tonearm

Statically balanced pivoted direct-coupled tonearm with zero-free-play precision ball bearings. Features decoupled counterweight. Tracking force 2-10 grams; offset angle 23.5°; stylus overhang 18 mm. Overall length 285 mm; effective length 228 mm. 393 grams \$220
Revolver Super. As above, with larger zero-free-play bearings \$500

SHURE

V15VMR Phono Cartridge

mm design with beryllium stylus shank. Output 3.2 mV at 1,000 Hz, 5 cm/s; FR 10-28,000 Hz; ch sep 25 dB at 1,000 Hz; tracking force 1 g; replacement stylus VN5MR \$297

M110HE Phono Cartridge

Features telescoped stylus shank; hyperelliptical tip; stylus protection system. Standard/P-mount. Replacement stylus N110HE \$123

SC39EJ Phono Cartridge

Biradial stylus with protection system. Output voltage 4 mV; FR 20-20,000 Hz; ch bal ± 2 dB; ch sep 20 dB at 1,000 Hz; tracking force 1.5-3 g \$78

M104E Phono Cartridge

P-mount compatible cartridge with 0.2 x 0.7 mil elliptical stylus-tip and tubular heat-treated aluminum stylus shank. Includes rigid 0.5-in-mount converter. Output 5.0 mV at 1,000 Hz, 5 cm/s; FR 20-20,000 Hz; ch sep 25 dB; tracking force 1.25 g. Replacement stylus N104E \$78

M55E Phono Cartridge

0.2 x 0.7-mil biradial elliptical stylus. Output 6.2 mV at 1,000 Hz, 5 cm/s; FR 20-20,000 Hz; tracking force 0.75-2 g; ch sep 20 dB at 1,000 Hz; Replacement stylus N55E \$73

M44G Phono Cartridge

Features flip-down stylus guard; 15-micron spherical stylus tip. Tracking force 0.75-1.25 grams; FR 20-20,000 Hz; ch bal ± 2 dB; ch sep 20 dB at 1,000 Hz; output 6.2 mV \$59

M44C Phono Cartridge

Features flip-down stylus guard; 15-micron spherical stylus tip. Tracking force 3-5 grams; FR 20-20,000 Hz; ch bal ± 2 dB; ch sep 20 dB at 1,000 Hz; output 6.2 mV \$57

M447 Phono Cartridge

Features flip-down stylus guard; 15-micron spherical stylus tip. Tracking force 1.5-3 grams; FR 20-20,000 Hz; ch bal ± 2 dB; ch sep 20 dB at 1,000 Hz; output 6.2 mV \$57

SC35C Phono Cartridge

Features spherical stylus; output voltage 5 mV; FR 20-20,000 Hz; ch bal ± 2 dB; ch sep 20 dB at 1,000 Hz; tracking force 4-5 grams \$50

M92E Phono Cartridge

Heat-treated tubular-aluminum stylus shank and 0.4 x 0.7 mil elliptical stylus tip. Standard or P-mount. Output 5 mV at 1,000 Hz, 5 cm/s; FR 20-18,000 Hz; ch sep 20 dB at 1,000 Hz; tracking force 1.25 g. Replacement stylus N92E \$34

SIGNET

Analog Master Series

AM50s Phono Cartridge

Square-shank stylus. Features gold-plated beryllium cantilever; bench-crafted, standard-mount, twin-llux design with PC-occ wire; FR 5-37,000 Hz; output 5 mV at 5 cm/s; tracking force 0.8-1.8 g. 6 g \$350
AM40s. As above, with nude straight-line-contact stylus. Features tapered beryllium cantilever; FR 5-

35,000 Hz; tracking force 0.8-1.6 g. 6 g \$275
AM30s. As above, with 0.3 x 0.7-mil nude elliptical stylus. Features thin-wall alloy tapered cantilever; FR 5-30,000 Hz \$225
AM20s. As above, FR 10-30,000 Hz, tracking force 0.9-1.9 g \$195
AM20p. P-mount version of above \$195
AM10s. As AM30s, with 0.3 x 0.7-mil nude elliptical diamond stylus. Thin-wall aluminum cantilever; FR 15-25,000 Hz; tracking force 1.3-2.3 g \$125
AM10p. P-mount version of above \$125

Moving Coil Series

AT-ART1 Phono Cartridge

0.1-mm nude square-shank diamond stylus. Features tapered boron cantilever; dual-coil design; diamond-coated, PC-occ 6N coils. Output 0.35 mV at 5 cm/sec; FR 15-50,000 Hz; tracking force 1.4-1.8 g. 9.5 g \$1,300

AT-OC9 Phono Cartridge

0.2 x 0.7-mil biradial nude diamond stylus. Features gold-plated beryllium cantilever; dual-coil design; PC-occ coils. Output 0.4 mV at 5 cm/sec; FR 15-50,000 Hz; tracking force 1.25-1.75 g. 7.8 g \$400

Standard Series

Model 103 Phono Cartridge

0.4 x 0.7-mil elliptical stylus. Universal mount. Output 5 mV at 5 cm/sec; FR 15-25,000 Hz; ch sep 29 dB at 1,000 Hz; tracking force 1.6 g \$90
Model 101. As above, with 0.6-mil stylus. FR 20-20,000 Hz; ch sep 24 dB at 1,000 Hz \$60
Model 100. As 103, standard mount only. Output 4.2 mV at 5 cm/sec; FR 20-22,000 Hz; ch sep 22 dB at 1,000 Hz, tracking force 1.5-2.5 g \$60

STANTON

Model 680 EE Phono Cartridge

0.3 x 0.7-mil stylus tip. Includes brush. Output 0.8 mV/cm/sec; FR 20-20,000 Hz; ch bal ± 2 dB and ch sep 35 dB at 1,000 Hz; imp 47 kilohms; tracking force 0.75-1.5 g; 5.5 g. Replacement stylus D680 \$102

Calibration Series

Collector's Series 100 Phono Cartridge

0.3 x 2.8-mil stereohedron diamond stylus. Output 0.6 mV/cm/sec; FR 20-20,000 Hz ± 1 dB; ch bal 1 dB and ch sep 35 dB at 1,000 Hz; imp 47 kilohms; tracking force 0.75-1.5 g; 5.5 g. Replacement stylus CS100 \$360

881S MkII Phono Cartridge

Nude stereohedron stylus. Output 0.9 mV/cm/sec; FR 10-25,000 Hz; ch bal 1 dB and ch sep 35 dB at 1,000 Hz; imp 47 kilohms; tracking force 0.75-1.25 g. White with silver handle, white brush; replacement stylus D81S, D810 for mono LP's, D827 for 78's. 5.7 g \$216

581EEE MkII-S Phono Cartridge

Induced-magnet cartridge with stereohedron stylus shape. Cantilever assembly. Output 0.7 mV/cm/sec; FR 10-22,000 Hz; ch sep 35 dB at 1,000 Hz; tracking force 1 g ± 0.25. 6.3 g \$156

Disco Series

Model 680EL-MP Phono Cartridge

Matched pair of 680EL cartridges. 0.4 x 0.7-mil elliptical-diamond stylus. Output 0.82 mV/cm/sec; FR 20-18,000 Hz; ch bal ± 2 dB and ch sep 30 dB at 1,000 Hz; tracking force 2-5 g. 5.5 g. Replacement stylus D6800E \$192
Model 890AL. As above, with 0.7-mil spherical-stylus. Output 0.76 mV/cm/sec; FR 20-20,000 Hz; imp 47 kilohms; tracking force 2-7 g. Extra stylus . \$162
Model 500AL-MP. As above, matched pair of 500AL cartridges. 0.7-mil spherical stylus. Output 1 mV/cm/sec; FR 20-17,000 Hz ± 2 dB; ch sep 29 dB at 1,000 Hz; tracking force 3-7 g. 5 g. Replacement stylus D5107AL \$156

C A R T R I D G E S & T O N E A R M S



Stanton Model 890AL

Model 681SE. As 680EL, output 1 mV/cm/sec; FR 10-10,000 Hz ± 0.5 dB; ch sep 35 dB at 1,000 Hz; tracking force 2-4 g. Replacement stylus D6800SE, D6810 for LP's, D6827 for 78's. 5.5 g \$150

L680EL Phono Cartridge. Fluorescent-coated stylus. P-mount. Output 1.1 mV/cm/sec; FR 20-18,000 Hz; ch sep 30 dB at 1,000 Hz; tracking force 3.5-4 g. Replacement stylus D6800EL. 8.4 g \$138

Model 680EL Phono Cartridge
0.4 x 0.7-mil elliptical-diamond stylus. Output 0.82 mV/cm/sec; FR 20-18,000 Hz; ch bal ± 2 dB and ch sep 30 dB at 1,000 Hz; imp 47 kilohms; tracking force 2.5 g; 5.5 g. Replacement stylus D6800EL. Extra stylus included \$138

Model 680. As 680EL, with 0.7-mil spherical-stylus tip. Output 1.1 mV/cm/sec. Replacement stylus D6800AL included \$120

L500AL Cartridge. P-mount MM cartridge designed for professional use. Features auto compensation for high tracking forces \$74

Model 500EL. As above, output FR 20-18,000 Hz; ch sep 30 dB at 1,000 Hz; tracking force 2-5 g; weight 5 g. Replacement stylus D5100EL \$82

Model 500AL Cartridge. 0.7-mil spherical stylus. Professional design. Output 1 mV/cm/sec; FR 20-17,000 Hz ± 2 dB; ch bal ± 2 dB and ch sep 28 dB at 1,000 Hz; imp 47 kilohms; tracking force 3-7 g. Replacement stylus D5107AL. 5 g \$74

Stereo Standard P-Mount Series

L747S Phono Cartridge. Plug-in design with stereo-hedron stylus. FR 10-25,000 Hz; tracking force 0.75-1.5 g; output 1.2 mV/cm/sec; ch sep 35 dB. Replacement stylus D747S. 5.7 g \$174

L727E Phono Cartridge

Plug-in cartridge with 0.4 x 0.7-mil elliptical stylus. FR 10-25,000 Hz; tracking force 0.75-1.5 g; output 0.8 mV/cm/sec; ch sep 32 dB \$114

L725E Phono Cartridge

Elliptical stylus; tracking force 0.75-1.5 g; output 0.8 mV/cm/sec; FR 10-22,000 Hz; ch bal 2 dB; ch sep 28 dB. Replacement stylus D71EE. 5.7 g \$82

L720EE. As above, with 0.3 x 0.7-mil elliptical stylus. FR 10-20,000 Hz \$72

Broadcast Series-Mark II

Model 500EE MkII Phono Cartridge

0.3 x 0.7-mil elliptical-diamond stylus. Output 1 mV/cm/sec ± 2 dB; FR 10-20,000 Hz; ch bal ± 2 dB and ch sep 35 dB at 1,000 Hz; tracking force 0.75-1.5 g. Replacement stylus D50EE MkII \$78

Model 500E. As above, with 0.4 x 0.7-mil stylus. Tracking force 1-2 g. Replacement stylus D50E MkII. 5.5 g \$72

SUMIKO

Kiseki Series

Lapis Lazuli Moving-Coil Phono Cartridge
Lapis lazuli hyper-elliptical stylus. Features moving-coil design; diamond cantilever. Output 0.4 mV. 11 g \$6,000

Blackheart Moving-Coil Phono Cartridge
Hyper-elliptical stylus. Features boron cantilever. FR 20-50,000 Hz; output 0.4 mV; tracking force 1.8 g. 7.5 g \$2,500

Agaat Ruby Moving-Coil Phono Cartridge
Hyper-elliptical stylus. Features ruby cantilever. Output 0.4 mV; FR 20-50,000 Hz; ch sep 30 dB; tracking force 2 g. 11 g \$1,250

Purple Heart Sapphire. As above, sapphire cantilever; sendust armature. 7.5 g \$975

Blue Gold. As above, aluminum body; boron overlay cantilever. 11 g \$600

Alchemist Series

Alchemist IIIS Moving-Coil Phono Cartridge
Van den Hul stylus. Features samarium-cobalt mag-

net; zinc body; sapphire rod cantilever. Output 1.8 mV; FR 10-60,000 Hz; ch sep 30 dB; tracking force 1.8-2.2 g. 6.7 g \$495

Alchemist IIB. As above, boron cantilever. FR 15-32,000 Hz; ch sep 35 dB \$475

Alchemist IAT Moving-Coil Phono Cartridge

Elliptical stylus. Features aluminum/magnesium cantilever. FR 20-40,000 Hz; ch sep 25; tracking force 1.5-2.1 g. 6.7 g \$300

Talisman Series

Talisman SvdH Moving-Coil Phono Cartridge

Van den Hul stylus. Features sapphire-tube cantilever. Output 0.26 mV; FR 10-60,000 Hz; ch sep 30 dB; tracking force 1.8-2.2 g. 6.3 g \$395

Talisman BvdH. As above, boron cantilever. FR 10-50,000 Hz; tracking force 1.5-2.1 g \$325

Oyster Series

Blue Point Special Moving-Coil Cartridge

Elliptical stylus. Features open-generator body design. Standard mount. Output 2.3 mV; tracking force 1.25-1.7 g. 9.5 g \$295

Sumiko Blue Point Phono Cartridge

Elliptical stylus. Features moving-coil design; standard or P-mount. Output 3 mV; tracking force 1.25-1.7 g. 5.9 g \$125

Pearl Phono Cartridge

Elliptical stylus. Output 5 mV; ch sep 30 dB; tracking force 1.5-2 g. 6 g \$75

Black Pearl Phono Cartridge

Elliptical stylus. Output 5 mV; tracking force 1.5-2 g. 6 g \$50

Oyster Phono Cartridge

Spherical stylus. Output 4 mV; FR 30-20,000 Hz; ch sep 25 dB; tracking force 1.5-2.5 g. 5.3 g \$30

Tonearms

The following have cueing, antiskating, and vertical-tracking-angle adjustments.

SME Series V Straight Tonearm

Pivot design. Features 1-piece magnesium casting from headshell to rear of counterweight rails; captive ball-race bearings; silver wiring. Tracking force 0-3 g. 11 $\frac{1}{2}$ in \$2,550

Series IV. As above, with static balanced vertical tracking; manually adjusted arm height \$1,850

SME IV.Vi Tonearm

Pivot design. Features fixed-cartridge mount; azimuth adjustment; chassis arm tube of series IV; 7 bearings from series V; Magnan internal wiring. Tracking force 0-3 g. 4-18 g \$1,995

SME 309 Tonearm

Pivot design. Features fixed-cartridge mount. Tracking force 0-3 g. Effective length 9 $\frac{3}{4}$ in; overall length 11 $\frac{1}{2}$ in \$1,195

VPI

Stogi Reference Tonearm

Pivoted arm with fixed-cartridge mount. Features 9 bearings tapered tube with azimuth adjustment. Cueing; antiskating adjuster; adjustable vertical tracking angle. Overall length 11 $\frac{1}{4}$ in; mounting-hole diameter 1 $\frac{1}{4}$ in \$1,500

Stogi. As above, 5 bearings \$900

WHEATON MUSIC

Tri-Planar III Ultimate Tonearm

Cardas tonearm wiring; clamping yoke allowing azimuth rotation of headshell; hardened, polished needle cones; lead-inserted-headshell damping treatment. Stylus-to-pivot length 250 mm; offset angle 22 $^{\circ}$; stylus overhang 16.5 mm \$1,995

R E C E I V E R S

AMC

R4 65-W/ch Receiver

2 channels. Features microprocessor-based design. 4 inputs including phono. Remote volume and source selection. 65 W x 2 into 8 ohms. FR 20-20,000 Hz; S/N 78 dBA MM, 75 dBA MC, 85 dB line. \$900
URC-1000. Programmable remote for above. \$56

BANG & OLUFSEN

The following receivers feature dynamic output-level adjustment, auto scan tuning, direct-station access, and Power Link connectors for Beolab powered speakers.

Beomaster 7000 50-W/ch Receiver

2 channels. Integrates with Beosystem 7000. Features multiroom capability; frequency-synthesis tuning. 20 AM/FM presets; clock/timer with battery back-up; Beolink 7000 remote control. Radio Data System decoder for 10-character station labeling optional. 50 W x 2 rms into 8 ohms with 0.09% THD. S/N 78 dBA phono, 80 dBA line. FM: FR 20-15,000 Hz \pm 1 dB; 50-dB quieting sens 40 dB; S/N 70 dB stereo; THD 0.2% stereo; cap ratio 1.7 dB; adj-ch sel 10 dB; alt-ch sel 70 dB; AM rej 57 dB; ch sep 45 dB. Polished-aluminum or white finish. 16 1/2 x 3 x 12 3/4 in. \$3,000

Beomaster 4500 20-W/ch Receiver

2 channels. Integrates with Beosystem 4500. Features multiroom capability; digital tuning. 20 AM/FM presets; programmable volume and tone levels; Beolink 1000 remote control. 20 W x 2 rms into 8 ohms with 0.1% THD. S/N 77 dB. FM: 50-dB quieting sens 19 dB mono, 40 dB stereo; FR 20-15,000 Hz \pm 1 dB; S/N 70 dB stereo; cap ratio 1.7 dB; ch sep 40 dB. Polished aluminum finish with white trim. Wall-mount brackets optional. 24 3/8 x 2 3/4 x 9 9/16 in. \$1,200

CARRERA

CR-2530 30-W/ch Receiver

2 channels. Features headphone jack with volume control. 30 W x 2. FR 20-20,000 Hz. THD 0.25%. FM: cap ratio 1.7 dB; alt-ch sel 58 dB. 13 lb. \$200

CARVER

The following feature Sonic Holography circuitry, ambience enhancement, and proprietary multipath-suppression circuitry.

HR-895 365-W A/V Receiver

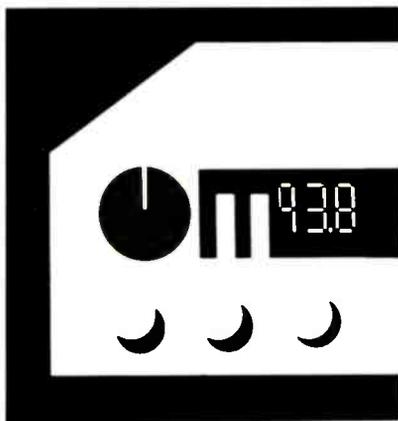
5 channels with Dolby Pro Logic decoder. Features multiroom capability. 7 audio inputs; 4 composite-video inputs; 3 S-video inputs; front-panel S-video/composite-video AV input; headphone jack. 4 surround modes; 30 AM/FM presets; FM-mono switch; auto/manual tuning; signal-strength indicator; timer; 4 AC outlets; programmable remote control. Includes infrared receiver and second remote control. 110 W x 2 rms (front) + 75 x 1 rms (center) + 35 x 2 rms (rear), all into 8 ohms from 20-20,000 Hz with 0.1% THD. S/N 105 dBA amp, 80 dBA MM. FM: cap ratio 2 dB; AM rej 65 dB; alt-ch sel 70 dB; ch sep 45 dB and THD 0.2% at 1,000 Hz; S/N 78 dB stereo. \$1,200

HR-772 140-W/ch Receiver

2 channels. Source-direct switch; motor-driven volume control. 5 audio inputs; 2 video inputs; 1 video output; 2 tape-monitor loops; line-level outputs; headphone jack. 20 AM/FM presets; auto/manual tuning; 5-band EQ; tape-dubbing capability; loudness and balance controls; A/B speaker switching; signal-strength indicator; alphanumeric display; 4 AC outlets; remote control. 140 W x 2 into 8 ohms or 150 x 2 into 4 ohms from 20-20,000 Hz with 0.1% THD. S/N 110 dBA amp, 80 dBA MM. FM: cap ratio 1.5 dB; AM rej 65 dB; alt-ch sel 72 dB; ch sep 46 dB and THD 0.15% at 1,000 Hz; S/N 70 dB stereo. 19 x 5 1/2 x 18 in. \$850

HR-742 80-W/ch Receiver

2 channels. Motor-driven volume control. 6 audio inputs; 3 video inputs; 2 video outputs; switchable



cable/antenna inputs; pre-out/main-in loop; headphone jack. 30 AM/FM presets with scan; auto/manual tuning; A/B speaker switching; bass, treble, and balance controls; signal-strength indicator; sleep timer; 2 AC outlets; remote control. 80 W x 2 into 8 ohms or 130 x 2 into 4 ohms from 20-20,000 Hz with 0.09% THD; 150 x 2 into 2 ohms. S/N 101 dBA amp, 80 dBA MM. FM: cap ratio 2.2 dB; AM rej 62 dB; alt-ch sel 65 dB; ch sep 45 dB and THD 0.2% at 1,000 Hz; S/N 78 dB stereo. 19 x 5 1/4 x 15 1/2 in. \$630

HR-732 60-W/ch Receiver

2 channels. Features motor-driven volume control. 6 audio inputs; 3 video inputs; 2 video outputs; headphone jack. 30 AM/FM presets with scan; auto/manual tuning; signal-strength indicator; A/B speaker switching; bass, treble, and balance controls; 2 AC outlets; remote control. 60 W x 2 into 8 ohms or 100 x 2 into 4 ohms from 20-20,000 Hz with 0.09% THD; 120 x 2 into 2 ohms. S/N 100 dBA amp, 80 dBA MM. FM: cap ratio 2.2 dB; AM rej 62 dB; alt-ch sel 65 dB; ch sep 45 dB and THD 0.2% at 1,000 Hz; S/N 78 dB stereo. 19 x 5 1/4 x 15 1/2 in. \$500

DENON

AVR-3000 400-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Features 5 discrete amps; optical Class A circuitry for front and center channels; 3-pole-equivalent tuner front end; videodisc- and CD-direct modes. 9 audio inputs; 5 video inputs; 4 S-video inputs; 10 audio outputs; 3 video outputs; 3 S-video outputs; 2 center-channel outputs. 4 Dolby modes; wide-screen, live, mono-movie, classic, rock, church, jazz, stadium, and matrix-surround dsp modes; bass boost; dialog-enhancing EQ; auto input balance for Dolby Pro Logic mode; adjustable delay and room-size parameters; 16 AM/FM presets; auto-seek and manual-step tuning; non-volatile memory for control settings and surround parameters; audio and video rec-out selectors; FL alphanumeric display; Basic-function and programmable remote controls. 110 W x 3 (front, center) + 35 x 2 (rear), all into 8 ohms. \$1,300
AVR-2000. As above, 80 W x 3 (front, center) + 25 x 2 (rear). No bass boost, dialog-enhancing EQ, or basic-function remote. 6 audio inputs; 3 video inputs; 2 S-video inputs; 2 video outputs; 2 S-video outputs. \$850

DRA-1035R 130-W/ch Receiver

2 channels. Features optical Class A amplifier circuitry; source-direct switch. 7 audio and 3 video inputs; pre-out/main-in loop; connector for RC-615 multiroom system. Video switching capability; simulcast copy function; simulated-stereo circuit, switchable wide/narrow FM IF bandwidth; 40 AM/FM presets; last-station memory; seek, preset-scan, and manual-step tuning; variable loudness control; rec-out selector; remote speaker switching; FL display; programmable remote control. 130 W x 2 into 8 ohms from 20-20,000 Hz with 0.015% THD. S/N 92 dB MM, 75 dB MC, 103 dB line. FM: 50-dB quieting sens 37.3 dB stereo;

cap ratio 1.3 dB; S/N 82 dBA stereo; THD 0.06% stereo; ch sep 55 dB at 1,000 Hz. \$1,000
DRA-835R. As above, without simulated-stereo circuit or MC-phono input. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.015% THD. S/N 86 dB MM, 103 dB line. \$750
DRA-635R. As DRA-835R, without remote speaker switching, multiroom connector, or switchable IF bandwidth. Remote control not programmable. 80 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. S/N 86 dB MM, 95 dB line. FM: 50-dB quieting sens 38.5 dB stereo; THD 0.08% stereo; ch sep 40 dB at 1,000 Hz. \$500

AVR-810 265-W A/V Receiver

5 channels with Dolby Pro Logic decoder. 9 audio inputs; 5 video inputs; front-panel A/V input; 3 S-video inputs; 8 audio outputs; 3 video outputs; 2 S-video outputs; line-level outputs; mono subwoofer output. 7 surround modes; auto input balance; digital delay adjustable from 0 to 40 ms in 5-ms steps; 16 AM/FM presets; last-station memory; FL display; programmable remote control. 80 W x 2 + 35 x 3 into 8 ohms. FM: 50-dB quieting sens 38.5 dB stereo; S/N 75 dB stereo; THD 0.2% stereo. \$750

AVR-61C 205-W A/V Receiver

5 channels with Dolby Pro Logic decoder. 6 audio inputs; 3 video inputs; front-panel A/V input; 4 audio outputs; 2 video outputs; line-level outputs. Features 6 surround modes; auto input balance; digital delay adjustable from 0 to 40 ms in 5-ms steps; 16 AM/FM presets; last-station memory; FL display; programmable remote control. 20 W x 2 + 55 x 3 into 8 ohms. FM: 50-dB quieting sens 38.5 dB stereo; S/N 75 dB stereo; THD 0.2% stereo. \$600

DRA-545R 60-W/ch Receiver

2 channels. Features discrete amplifiers; 3-pole-equivalent tuner front end; electronic source switching; bass-EQ circuit; motor-driven volume control. 2 video inputs; 2 video outputs; line-level outputs. 16 AM/FM presets; auto-seek and manual-step tuning; last-station memory; variable loudness control; last-station memory; IS-system remote control. 60 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. S/N 78 dB MM, 95 dB line. FM: 50-dB quieting sens 38.5 dB stereo; cap ratio 1.5 dB; S/N 78 dB stereo; ch sep 40 dB; THD 0.15% stereo. AM: usable sens 18 μ V; S/N 55 dB. \$350
DRA-345R. As above, without video section. 45 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. \$280

DUAL

CR-5950RC 70-W/ch Receiver

2 channels. Features Class A amplification; digital quartz-synthesis tuning; brushed metal housing; motor-driven volume control. 6 inputs including phono; gold-plated phono and CD inputs. 16 AM/FM presets; FM-stereo muting; auto/manual station scan; bass, treble, balance, and loudness controls; remote control. 70 W x 2 cont avg into 8 ohms at 1,000 Hz or 130 x 2 into 4 ohms. S/N 75 dB phono, 95 dB line. Black anodized finish. \$620

CR-9065RC 60-W/ch Receiver

2 channels. Features Class A amplification; digital quartz-synthesis tuning; motor-driven volume control. 6 inputs including phono; gold-plated phono and CD inputs; banana/screw-type speaker outputs. 40 AM/FM presets; auto/manual station scan; auto preset store; 4-character station labeling; A/B speaker switching; 2-color LCD; remote control. 60 W x 2 cont into 8 ohms or 75 x 2 into 4 ohms. Black. \$480

FISHER

RS646 300-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features Class A-II circuitry; 7-band graphic EQ; motor-driven volume control. 5 audio and 3 A/V inputs; S-video inputs; front-panel A/V input; headphone jack. Normal/phantom center-channel modes; calibration test

R E C E I V E R S

tone; manual input balance; video dubbing capability; 30 AMFM presets; direct-station access; AB speaker switching; timer; remote control. 120 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 20 x 3 at 1,000 Hz (center, rear). FM: 50-dB quieting sens 42.1 dB stereo; cap ratio 1.5 dB. 17 $\frac{3}{4}$ x 5 $\frac{3}{4}$ x 13 $\frac{3}{8}$ in; 22 lb \$500

RS636 240-W A/V Receiver

4 channels with Dolby Surround decoder. Features 7-band graphic EQ; motor-driven volume control. 5 audio and 2 AV inputs; 2 audio and 2 AV outputs. Manual input balance; video dubbing capability; 30 AMFM presets; direct-station access; AB speaker switching; timer; remote control. 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 20 x 2 rms (rear). FM: 50-dB quieting sens 42 dB stereo; cap ratio 1.5 dB; all-ch sel 55 dB. 17 $\frac{3}{8}$ x 5 $\frac{3}{4}$ x 13 $\frac{3}{8}$ in; 22 lb \$400

RS616 50-W/ch Receiver

2 channels. Features 5-band graphic EQ; quartz-synthesis tuner. 6 audio and 2 video inputs; headphone jack. FL display; remote control; motor muting and loudness. 50 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. FM: 50-dB quieting sens 42.1 dB stereo; cap ratio 1.5 dB; all-ch sel 55 dB. 17 $\frac{1}{4}$ x 4 $\frac{3}{8}$ x 13 $\frac{3}{8}$ in; 13.6 lb \$300

HARMAN KARDON

The following feature a high-current, low negative feedback amp section with discrete circuitry and a digital-synthesis, quartz-locking AM/FM tuner with seek tuning.

AVR30 190-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. 4 video input; 2-VCR monitor loops; 4 audio inputs; 2 tape-monitor loops. 4 room-size settings; 5 effects levels. 12-way dubbing matrix; simulcast capability; on-screen displays; memory presets for surround and DSP settings; 16 AMFM presets; remote control. 50 W x 3 into 6 ohms from 20-20,000 Hz with 0.09% THD (front, center) + 20 x 2 into 4 ohms from 100-10,000 Hz with 0.3% THD (rear) or 60 x 2 into 6 ohms from 20-20,000 Hz with 0.09% THD \$1,049

HK3600 75-W/ch Receiver

2 channels. 7 inputs/outputs including subwoofer out; dual tape- and video-monitor loops; interactive video switching. 7-way tape-copy selector; 16 AMFM presets; seek tuning; motor-driven volume control; separate volume control for subwoofer; loudness, mono, and subsonic-filter switches; remote control. 75 W x 2 into 8 ohms from 20-20,000 Hz with 0.09% THD. S/N 78 dBa phono, 98 dBa line. FM: 50-dB quieting sens 37.2 dB stereo; cap ratio 1 dB; adj-ch sel 5 dB; all-ch sel 70 dB. 17 $\frac{3}{8}$ x 4 $\frac{7}{8}$ x 13 $\frac{1}{2}$ in; 18.8 lb \$799

HK3500. As above, without interactive video switching or subsonic filter. 50 W x 2 into 8 ohms from 20-20,000 Hz with 0.09% THD. Cap ratio 1.5 dB; adj-ch sel 10 dB; all-ch sel 75 dB. 16.4 lb \$549

HK3400. As HK3500, 6 inputs. 35 W x 2 into 8 ohms from 20-20,000 Hz with 0.09% THD. 14.9 lb \$429

HK3300. As HK3400, without remote control or motor-driven volume control. 25 W x 2 into 8 ohms with 0.09% THD. 13.5 lb \$319

JVC

RX-307VTN 80-W/ch Receiver

2 channels. Connections for 2 speaker pairs; headphone jack. Motor-driven volume control with LED; 40 AMFM presets; FL display; AV remote control; Compu Link system compatibility. 80 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.03% THD. FM: 50-dB quieting sens 38.3 dB stereo; S/N 80 dB mono, 73 dB stereo; ch sep 40 dB; cap ratio 1.5 dB. 17 $\frac{1}{4}$ x 5 x 13 in; 18.4 lb \$280

RX-207VTN 40-W/ch Receiver

2 channels. Connections for 2 speaker pairs; headphone jack. Motor-driven volume control with LED; 40 AMFM presets; FL display; remote control; Compu

Link system compatibility. 40 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.08% THD. FM: 50-dB quieting sens 38.3 dB stereo; S/N 80 dB mono, 73 dB stereo; ch sep 40 dB; cap ratio 1.5 dB. 17 $\frac{1}{4}$ x 5 x 13 in; 14.8 lb \$240

A/V Receivers

The following feature Compu Link presets to store and recall 3 sets of volume, balance, EQ, surround, loudness, and ambience settings for each program source and tuner preset.

RX-905VTN 370-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Features Super A amp circuitry for Class A sonic characteristics and Class B efficiency characteristics; 7-band graphic EQ with 5 programmable and 5 factory presets. 3 video inputs; 2 S-video terminals; video-monitor output; connectors for 2 speaker pairs; subwoofer output; headphone jack. Hall, pavilion, stadium, and live-club digital ambience modes; 40 AMFM presets with 5-letter labeling; dot-matrix peak display; adjustable digital delay; on-screen displays; programmable remote control. 120 W x 2 with 0.007% THD (front) + 70 x 1 (center) + 30 x 2 (rear) with 0.7% THD, all rms into 8 ohms; 360 x 2 into 2 ohms. FR 20-20,000 Hz \pm 0.5 dB phono, 5-50,000 Hz +0, -1 dB line. FM: 50-dB quieting sens 38.3 dB stereo; S/N 73 dB stereo; ch sep 40 dB; cap ratio 1.5 dB. 17 $\frac{1}{4}$ x 6 $\frac{1}{4}$ x 15 $\frac{1}{2}$ in; 27.6 lb \$1,100

RX-807VTN 345-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features Super A amp circuitry for Class A sonic characteristics and Class B efficiency characteristics; 7-band graphic EQ with 5 programmable and 5 factory presets. 2 video inputs; connectors for 2 speaker pairs; headphone jack. 40 AMFM presets with 5-letter labeling for 20 stations; adjustable digital delay; dot-matrix peak display; programmable remote control. 120 W x 2 (front) + 65 x 1 (center) + 20 x 2 (rear) with 0.007% THD, all rms into 8 ohms; 200 x 2 into 4 ohms. FR 20-20,000 Hz \pm 0.5 dB phono, 5-50,000 Hz +0, -1 dB line. FM: 50-dB quieting sens 38.3 dB stereo; S/N 73 dB stereo; ch sep 40 dB; cap ratio 1.5 dB. 17 $\frac{1}{4}$ x 6 $\frac{1}{4}$ x 15 in; 25 lb \$640

RX-707VTN 290-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features Super A amp circuitry for Class A sonic characteristics and Class B efficiency characteristics; 7-band graphic EQ with 5 programmable and 5 factory presets. 2 video inputs; connectors for 2 speaker pairs; headphone jack. 40 AMFM presets with 4-letter labeling for 20 stations; adjustable digital delay; dot-matrix peak display; AV remote control. 100 W x 2 with 0.007% THD (front) + 50 x 1 (center) + 20 x 2 (rear) with 0.7% THD, all rms into 8 ohms; 200 x 2 into 4 ohms. FR 20-20,000 Hz \pm 0.5 dB phono, 5-50,000 Hz +0, -1 dB line. FM: 50-dB quieting sens 38.3 dB stereo; S/N 73 dB stereo; ch sep 40 dB; cap ratio 1.5 dB. 17 $\frac{1}{4}$ x 6 $\frac{1}{4}$ x 15 in; 23 lb \$520

RX-507VTN 200-W A/V Receiver

3 channels with Dolby Pro Logic decoder. Features 7-band graphic EQ with 5 programmable and 5 factory presets. Line-level center-channel output; 2 video inputs; connectors for 2 speaker pairs; headphone jack. 40 AMFM presets with 4-letter labeling for 20 stations; adjustable digital delay; FL display; AV remote control. 80 W x 2 rms into 8 ohms with 0.007% THD (front) + 40 x 1 rms into 8 ohms with 0.7% THD (center). FR 20-20,000 Hz \pm 0.5 dB phono, 10-30,000 Hz \pm 1 dB line. FM: 50-dB quieting sens 38.3 dB stereo; S/N 73 dB stereo; ch sep 40 dB; cap ratio 1.5 dB. 17 $\frac{1}{4}$ x 5 x 13 in; 17.7 lb \$390

Super Digifine Series

RX-1050VTN 370-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Normal, wide, and phantom center-channel modes; Dolby 3 Stereo mode; adjustable room-size, live-ness, and wall-type parameters; 7-band graphic EQ with 5 presets. Fiber-optic and coaxial digital inputs;

MM/MC phono input; 3 video inputs; S-video terminals; video-monitor output. Symphony-hall, pavilion, stadium, live-club, church, and opera-house digital ambience modes; 40 AMFM presets; programmable remote control. 120 W x 2 with 0.007% THD (front) + 70 x 1 (center) + 30 x 2 (rear) with 0.7% THD, all rms into 8 ohms. FR 5-50,000 Hz +0, -1 dB. FM: 50-dB quieting sens 38.3 dB stereo; ch sep 40 dB; cap ratio 1.5 dB. 17 $\frac{3}{8}$ x 6 $\frac{1}{4}$ x 15 $\frac{1}{2}$ in; 28 lb \$1,600

KENWOOD

The following feature proprietary Voltage Interface Gate circuitry for low-impedance capability. Common amp specs include FR 20-20,000 \pm 0.5 dB phono, 10-50,000 Hz +0, -3 dB line; S/N 78 dB phono, 100 dB line. Common FM specs include 50-dB quieting sens 38.2 dB.

KR-V9030 265-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features Dolby Time Link digital-delay system; Dolby 3 Stereo mode; multitroom capability; discrete amp circuitry; CD-direct switch; two power supplies. 4 audio inputs; MM phono input; 3 video inputs including 1 S-video; 3 video outputs including 1 S-video; line-level rear-channel output. 6 surround modes; 6 surround-parameter presets; large and small theater modes; normal, wide, and phantom center-channel modes; adjustable digital delay; auto input balance for Dolby Pro Logic mode; Dolby test-tone generator; 30 AMFM presets with scan; 10-key direct station access; video dubbing capability; 3 switched AC outlets; programmable remote control. 130 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.03% THD or 75 x 3 (front, center) + 20 x 2 (rear) into 8 ohms at 1,000 Hz with 0.9% THD. FM: S/N 74 dB and THD 0.2% at 1,000 Hz stereo; AM rej 65 dB; ch sep 50 dB at 1,000 Hz; cap ratio 2 dB. AM: S/N 50 dB. 17 $\frac{3}{8}$ x 6 $\frac{1}{2}$ x 16 $\frac{3}{8}$ in; 32.1 lb \$980

KR-V8540 255-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Features Dolby 3 Stereo mode; discrete amp circuitry; CD- and source-direct switches; motor-driven volume control. 3 audio and 3 video inputs; MM phono input; 3 video outputs; line-level left, right, center, and rear outputs; connectors for 2 speaker pairs. Jazz-club, disco, arena, and stadium ambience presets; large and small theater modes; 4 surround user presets; normal, wide, and phantom center-channel modes; auto input balance for Dolby Pro Logic; adjustable digital delay; Dolby test-tone generator; 20 AMFM presets with labeling; 10-key direct station access; video dubbing capability; variable loudness control; 3 switched AC outlets; system remote-control compatibility; programmable remote control. 120 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.06% THD or 75 x 3 (front, center) + 15 x 2 (rear) rms into 8 ohms at 1,000 Hz with 0.9% THD. FM: S/N 73 dB and THD 0.5% at 1,000 Hz stereo; ch sep 45 dB at 1,000 Hz. AM: S/N 48 dB. 17 $\frac{3}{8}$ x 5 $\frac{3}{4}$ x 15 $\frac{1}{4}$ in \$700

KR-V8040. As above, 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.06% THD or 65 x 3 (front, center) + 15 x 2 (rear) rms into 8 ohms at 1,000 Hz with 0.9% THD. No line-level outputs for each channel; nonprogrammable remote \$600

KR-V7040 225-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features Dolby Time Link digital-delay system; Dolby 3 Stereo mode; discrete amp circuitry; CD- and source-direct switches; motor-driven volume control. 4 audio inputs; MM phono input; 2 video inputs; 2 video outputs; connectors for 2 speaker pairs. 4 surround user presets; normal, wide, and phantom center-channel modes; adjustable digital delay; 20 AMFM presets with labeling; 10-key direct station access; video dubbing capability; 3 switched AC outlets; variable loudness control; system remote control. 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.06% THD or 65 x 3 (front, center) + 15 x 2 (rear) rms into 8 ohms at 1,000 Hz with 0.9% THD. FM: S/N 73 dB and THD 0.5% at 1,000 Hz stereo; ch sep 40 dB at 1,000 Hz. AM: S/N 50 dB. 17 $\frac{3}{8}$ x 5 $\frac{3}{4}$ x 15 $\frac{1}{4}$ in; 26.5 lb \$500

Adcom announces the cure for the common receiver.



Today, there is no reason to compromise your favorite music by listening to a common receiver. Because the Adcom GTP-400 tuner/preamplifier with GFA-535 (60 watts per channel)* amplifier gives you all the benefits of Adcom's legendary clear, dynamic sound for a price close to that of an ordinary receiver.

Why Separates?

The limited space in receivers prevents the use of heavy duty, high-current, high-voltage power supplies found in the best separate components. Consequently, the performance of receivers is compromised for their questionable advantage of all-in-one convenience.

By dividing the tuner/preamplifier from the power amplifier, Adcom isolates low-current, low-voltage circuits from high-current, high-voltage elements ensuring sonic purity and demonstrably superior performance.

More Sound—Less Money

Many of Adcom's components have been favorably compared to other components costing two and three times more. The GTP-400 with GFA-535 is a combination that promises to keep faith with this tradition of offering superb performance at a reasonable cost.

The price of these Adcom separates is close to that of an ordinary receiver. But no receiver will deliver the wide dynamic range and musical satisfaction of an Adcom system.

Ask your Adcom dealer for a demonstration of these affordable separates. You'll never listen to a common receiver again.

**Power output, watts/channel, continuous both channels driven into 8 ohms, 20 Hz - 20 kHz < 0.09% THD.*

ADCOM[®]
details you can hear

R E C E I V E R S

KR-V6040 250-W A/V Receiver

4 channels with Dolby Surround decoder. Features Dolby Time Link digital-delay system; Dolby 3 Stereo mode; discrete amplifier circuitry; CD-direct switch; motor-driven volume control. 4 audio inputs; MM phono input; 2 video inputs; 2 video outputs; connectors for 2 speaker pairs. 4 surround user presets; adjustable digital delay; 10 AM/20 FM presets with labeling; 10-key direct station access; video dubbing capability; A/B speaker switching; variable loudness control; 3 switched AC outlets; system remote control. 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.06% THD or 110 x 2 rms with 0.06% THD (front) + 15 x 2 rms with 0.9% THD (rear) into 8 ohms. FM: S/N 73 dB and THD 0.5% at 1,000 Hz stereo; ch sep 40 dB at 1,000 Hz. AM: S/N 50 dB. 17 $\frac{3}{8}$ x 5 $\frac{7}{8}$ x 15 $\frac{1}{4}$ in.; 22 lb. \$400

KR-V5040 80-W/ch Receiver

2 channels. Features discrete amp circuitry; separate power transformers for audio and control sections; CD-direct switch; motor-driven volume control. 3 audio inputs; MM phono input; connectors for 2 speaker pairs. 10 AM/20 FM presets with scan; 10-key direct station access; A/B speaker switching; switchable loudness; system remote control. 80 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.09% THD. FM: THD 0.5% and S/N 73 dB at 1,000 Hz stereo; ch sep 45 dB at 1,000 Hz. AM: S/N 50 dB. 17 $\frac{3}{8}$ x 5 $\frac{7}{8}$ x 13 $\frac{1}{8}$ in.; 18.7 lb. \$300

KR-V4040. As above, 50 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.09% THD. Without separate transformers or remote control. 17 $\frac{3}{8}$ x 5 $\frac{7}{8}$ x 11 $\frac{1}{4}$ in.; 12.1 lb. \$230

LUXMAN

The following feature multiroom capability.

RV-371 290-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features voltage-driven amplification; Duo-Beta feedback loop; star topology. 11 A/V inputs; front-panel S-video and AV inputs; headphone jack. 4 simulated-surround modes; variable digital delay; video dubbing capability; separate A/V rec-out selectors. 70 W x 2 with 0.04% THD (front) + 50 x 1 with 0.04% THD (center) + 50 x 2 with 0.05% THD (rear), all cont avg into 8 ohms \$1,500

R-361 100-W/ch Receiver

2 channels. Features voltage-driven amplification; Duo-Beta feedback loop; star topology. 11 A/V inputs; front-panel S-video and AV inputs; fixed line-level outputs; headphone jack. Video dubbing capability; separate A/V rec-out selectors; one-touch CD-to-tape rec with compatible equipment. 100 W x 2 cont avg into 8 ohms with 0.04% THD \$1,100

R-351 55-W/ch Receiver

2 channels. Features voltage-driven amplification; Duo-Beta feedback loop; star topology. Fixed line-level outputs. Two-way dubbing capability; 8-position rec-out selector; one-touch CD-to-tape rec with compatible equipment. 55 W x 2 cont avg into 8 ohms with 0.05% THD. FM: 50-dB quieting sens 14 dBf mono, 38 dBf stereo; cap ratio 1.5 dB; all-ch sel 65 dB. 17 $\frac{1}{4}$ x 5 x 14 $\frac{1}{2}$ in.; 19.2 lb. \$650

R-341 35-W/ch Receiver

2 channels. Features voltage-driven amplification; Duo-Beta feedback loop; star topology. Line-level outputs; main-in inputs; 4-way binding posts. Sleep timer; auto shut-off. 35 W x 2 cont avg into 8 ohms with 0.05% THD. FM: 50-dB quieting sens 14 dBf mono, 38 dBf stereo; cap ratio 1.5 dB; all-ch sel 65 dB. 17 $\frac{1}{4}$ x 5 x 14 $\frac{1}{2}$ in.; 17.4 lb. \$450

MARANTZ

SR-92 365-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features low-imp-drive capability; wideband AM reception; A/B main-speaker switching; motor-driven volume control; multiroom capability. 4 video inputs including front-panel S-video, composite-video and audio in-

puts; S-video and composite-video inputs and outputs; line-level subwoofer output; banana-plug connectors for 9 speakers; 5 pre-out/main-in loops; 2 antenna inputs. Hall, matrix, and simulated-stereo surround modes with adjustable digital delay; Dolby test-tone generator; 30 AM/FM presets with wide/narrow IF memory and 2-week battery-free backup; 10-key direct station access; switchable wide/narrow IF; auto/manual scan; switchable bass boost; alphanumeric FL display; timer; programmable remote control. 110 W x 2 from 20-20,000 Hz (front) + 75 x 1 from 40-20,000 Hz (center) + 35 x 2 from 40-20,000 Hz (rear), all rms into 8 ohms. S/N 75 dB MM, 82 dB line. FM: cap ratio 1 dB; THD 0.5% stereo at 1,000 Hz; all-ch sel 60 dB wide, 70 dB narrow; S/N 68 dB stereo at 1,000 Hz. AM: sens 500 μ V/m; S/N 50 dB; image rej 40 dB. Gold finish with matching side panels. 17 $\frac{7}{8}$ x 5 $\frac{3}{4}$ x 15 in.; 34 lb. \$1,099

SR-82 285-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features multiroom capability; motor-driven volume control. 7 audio inputs; 4 composite-video inputs; 2 S-video inputs; front-panel S-video input; coaxial CATV input; 2 antenna inputs; pre-out/main-in loops; subwoofer output with 70-Hz, 12-dB/oct crossover; RC-5 interface for remote compatibility with Marantz components. Hall-, matrix-surround and simulated-stereo mode; 30 AM/FM presets, each with memory for alphanumeric label, IF-bandwidth setting, and antenna input; auto preset programming; switchable FM high-boost and narrow/wide IF; test-tone generator; video dubbing capability; switchable bass boost; clock; on/off and sleep timers; FL display; programmable remote control. 75 W x 3 (front, center) + 30 x 2 (rear) into 8 ohms. 17 $\frac{7}{8}$ x 5 $\frac{3}{4}$ x 15 in. \$849

SR-62 70-W/ch Receiver

2 channels. Features low-imp-drive power supply; high-current discrete output transistors; wideband AM reception; motor-driven volume control. 3 audio inputs; 3 A/V inputs; banana-plug connectors for 2 speaker pairs. Simulcast capability; 30 AM/FM presets with battery-free backup; auto preset store; 10-key direct station access; switchable bass EQ; narrow-band bass and treble controls; on/off timer; remote control. 70 W x 2 into 8 ohms with 0.09% THD. 75 x 2 rms into 4 ohms, or 170 x 2 into 2 ohms. S/N 77 dB MM, 86 dB line. FM: 50-dB quieting sens 35.2 dBf stereo; cap ratio 1.2 dB; THD 0.4% stereo at 1,000 Hz; all-ch sel 65 dB; S/N 75 dB stereo at 1,000 Hz; ch sep 45 dB at 1,000 Hz. AM: sens 500 μ V/m; S/N 50 dB; image rej 40 dB. 16 $\frac{1}{2}$ x 4 $\frac{5}{8}$ x 13 $\frac{1}{8}$ in.; 17 lb. \$399

SR-52. As above, 45 W x 2 into 8 ohms from with 0.09% THD, 50 x 2 rms into 4 ohms, or 90 x 2 into 2 ohms. No simulcast capability. 15 lb. \$299

McINTOSH

MAC 4300V 100-W/ch Receiver

2 channels. Features SLL tuning system, DMOSET FM amp tuner; J-FET AM section; MPX filter; anti-clipping circuitry. 2 tape-monitor loops; 2 additional infrared sensor inputs for multiroom control. 5-band EQ; loudness control; 6 AM/FM presets; signal-strength indicator; remote control. 100 W x 2 cont avg into 8 or 4 ohms. FR 20-20,000 Hz +0, -0.5 dB; THD 0.02%; S/N 80 dBA phono, 90 dBA line. FM: 50-dB quieting sens 37 dBf stereo; cap ratio 1.5 dB; S/N 75 dB stereo. 18 $\frac{1}{2}$ x 6 $\frac{1}{8}$ x 14 in.; 34.5 lb. \$2,995

R 623. Remote volume control for above \$269

MAC 4280 75-W/ch Receiver

2 channels. Features anti-clipping circuitry; MPX filter. 3-band EQ; 5 AM/FM presets; station scan; signal-strength indicator. 75 W x 2 cont avg into 8 ohms. FR 20-20,000 Hz +0, -0.5 dB; THD 0.03%; S/N 100 dBA. FM: THD 0.1% at 1,000 Hz; S/N 75 dB stereo. 18 $\frac{1}{4}$ x 5 $\frac{1}{4}$ x 15 $\frac{1}{2}$ in.; 25 lb. \$1,995

MITSUBISHI

HTS-300 400-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features video processor with comb-filter, Y/C combiner, and

wide-band amplifier. Stadium, club, and theater surround modes; multi-feedback servo; ceramic filter; 4-ganged front end; high-cut filters; Dolby Time-Link digital-delay system. Front-, center-, and rear-channel line-level outputs; subwoofer, multiroom, monitor, 3 record, and 3 S-video record outputs; 11 rear-panel and 2 front-panel inputs; headphone jack. 16 AM/FM presets with labeling; on-screen displays; tone controls; programmable and multiroom remote control. 100 W x 2 (front) + 100 x 1 (center) + 50 x 2 (rear), all rms into 8 ohms with 1% THD. 16 $\frac{3}{4}$ x 6 $\frac{3}{4}$ x 16 $\frac{5}{8}$ in.; 39 lb. \$1,699

M-R8010 300-W A/V Receiver

4 channels with Dolby Pro Logic decoder. Features stadium, club, and theater surround modes; subsonic and high-cut filters; auto calculation of room-delay setting; stereo blend. Center-channel, subwoofer, surround, and monitor outputs; phono input and 6 A/V inputs; 2 S-video inputs; headphone jack. 16 AM/FM presets; on-screen menus; clipping indicator; bass, treble, and motor-driven-volume controls; programmable remote control. 125 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 25 x 2 into 8 ohms from 50-10,000 Hz with 0.5% THD (rear), S/N 80 dB \$1,399

M-R7020 80-W/ch Receiver

2 channels. Features stadium, club, theater, and matrix surround modes; subsonic and high-cut filters; stereo blend; motor-driven volume control. Surround, VCR, and monitor outputs; phono input; line-level outputs; 6 A/V inputs/outputs including 2 S-video; headphone jack. 16 AM/FM presets; on-screen menus; clipping indicator; bass and treble controls; programmable remote control. 80 W x 2 cont avg into 8 ohms with 0.05% THD \$1,049

M-R6030 80-W/ch Receiver

2 channels. Features matrix surround circuitry; subsonic and high-cut filters. 6 A/V inputs/outputs; surround output; line-level outputs; phono input, motor-driven volume control. 16 AM/FM presets with scan; bass and treble controls; tone defeat; FM muting. 80 W x 2 cont avg into 8 ohms with 0.05% total harmonic distortion \$799

NAD

The following feature Power Envelope circuitry to increase dynamic headroom and Soft Clipping circuitry to prevent speaker-damaging distortion.

Model 7100X 60-W/ch Receiver

2 channels. Features FM NR; 4-transistor MM MC phono stage; switchable infrasonic filter; bridgeable. Gold-plated phono inputs; pre-out/main in loop. Bass EQ; 14 AM/FM presets; imp selector; remote control. 60 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. S/N 75 dB MC, 94 dBA line; dynamic headroom 5.5 dB. FM: cap ratio 1.6 dB; all-ch sel 70 dB. 17 $\frac{1}{8}$ x 4 $\frac{1}{4}$ x 15 $\frac{1}{8}$ in.; 24 lb. \$749

Model 705 40-W/ch Receiver

2 channels. Features dual-gate MOSFET PLL tuner design; infrasonic filtering in phono stage; IF-count circuitry. 7 line-level inputs; 2 tape-monitor loops; buffered multiroom output; 5-way binding posts. Independent listen/rec capability; loudness and tone controls; 39 AM/FM presets; dual-resolution manual and auto-seek tuning; A/B speaker switching; remote control. 40 W x 2 cont avg into 8 ohms from 20-20,000 Hz \pm 0.5 dB with 0.03% THD. S/N 76 dBA phono, 90 dBA line; dynamic headroom 3.5 dB. FM: 50-dB quieting sens 35 dBf stereo; cap ratio 1.8 dB; all-ch sel 60 dB \$499

Model 701 25-W/ch Receiver

2 channels. Features infrared-repeater input for multiroom applications; switchable phono/line input. 20 AM/FM presets; remote control \$349

Model 7225PE 20-W/ch Receiver

2 channels. Infrasonic filter. Gold-plated phono inputs; 5-way speaker binding posts; pre-out/main-in

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Introducing the new Adcom GTP-500 II Tuner/Preamplifier.

Only a few years ago, Adcom announced the dawn of a new era by introducing its GTP-500 tuner/preamplifier. Together with any of Adcom's critically acclaimed power amplifiers, this unique audio product has given thousands of cost-minded, serious music lovers a quality alternative far superior to the common receiver. The new, evolutionary GTP-500 II offers a meaningful expansion of convenient features and sonic performance.

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Control your system's power on/off, select pre-programmed FM and AM stations, scan the FM dial, adjust volume level and select different sources... all with Adcom's wireless remote controller. With optional Adcom remote sensors and additional loudspeakers, you can also enjoy your Adcom music system in other rooms throughout your home.

For total music system integration, the GTP-500 II remote sensors will also receive and retransmit commands to a majority of remotely controlled components, regardless of brand. This remarkable design gives you full command of your entire music system throughout your home and offers the ultimate flexibility of integrating the remote features of components manufactured by others.

Value Measured By Performance

The overall performance of the new GTP-500 II is demonstrably superior through its evolutionary design

and the use of state-of-the-art component parts.

Adcom's unique, low-impedance RIAA compensation provides lower noise and distortion in the phono input stage. To further reduce noise and distortion in all stages, all switching devices are buffered.

Long term adherence to circuit design objectives is accomplished by utilizing 1% Roederstein resistors in all critical applications as well as a new low-loss, printed circuit board.

Through a careful balance of sensitivity and selectivity, the GTP-500 II optimizes FM performance whether you're in an urban or rural area. Design parameters, including an improved IF stage, have been optimized to translate into lower distortion. In fact, the quality of FM stereo reproduction through the GTP-500 II is as good as the broadcast itself.

More Sound, Less Money

Adcom stereo components have established a reputation for sounding superior to components costing two and three times as much. The new GTP-500 II promises to keep faith with this tradition of more sound for less money.

Its ability to command your entire music system by remote control, and its exceptional sonic performance are why so many experts consider the GTP-500 II to be Adcom's command performance.

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details you can hear

R E C E I V E R S

loop. Bass EQ; imp selector. 20 W x 2 cont avg into 8 ohms from 20-20,000 Hz +0.5. -1 dB with 0.03% THD. S/N 75 dBA MC, 85 dBA line, dynamic headroom 4 dB. FM: 50-dB quieting sens 37 dB stereo; cap ratio 1.5 dB; all-ch sel 58 dB. 16 1/2 x 3 1/4 x 10 3/4 in; 12 lb \$299

NAKAMICHI

The following feature multiroom capability with inputs for up to 3 Infrared repeaters. All models, except Receiver 3, feature Harmonic Time Alignment amp circuitry to eliminate distortion components out-of-phase with input signal.

Receiver 1 80-W/ch Receiver

2 channels. Features isolated-ground topology; multi-regulated power supply; video buffer amp; PLL tuner with dual-gate MOSFET, ceramic resonator multiplex section, and isolation buffer at output. Pre-out/main-in loops; 3 video inputs; 2 video outputs. 10 AM/FM presets; A/B speaker switching; remote control. 80 W x 2 into 8 ohms. FR 20-20,000 Hz +0, -0.5 dB; total harmonic distortion 0.1%; signal-to-noise ratio 100 dB. FM: 50-dB quieting sensitivity 37.5 dB stereo. 17 x 4 x 14 1/2 in; 24 lb \$969

Receiver 2 55-W/ch Receiver

2 channels. Features isolated-ground topology; multi-regulated power supply; PLL tuner with dual-gate MOSFET and isolation buffer at output. Pre-out/main-in loops. 10 AM/FM station presets; A/B speaker switching; remote control. 55 W x 2 into 8 ohms. FR 20-20,000 Hz +0, -0.5 dB; THD 0.1%; S/N 100 dB. FM: 50-dB quieting sens 38.5 dB stereo; cap ratio 2 dB. 17 x 4 x 14 1/2 in \$649

Receiver 3 37-W/ch Receiver

2 channels. Features isolated-ground topology; multi-regulated power supply; PLL tuner with dual-gate MOSFET. Pre-out/main-in loop. 10 AM/FM station presets; remote control. 37 W x 2 into 8 ohms. FR 20-20,000 Hz +0, -0.5 dB; THD 0.1%; S/N 98 dB. FM: 50-dB quieting sens 38.5 dB stereo; cap ratio 2 dB. 17 x 4 x 10 7/8 in \$399

ONKYO

Integra TX-SV909PRO 450-W A/V Receiver

7 channels with digital Dolby Pro Logic decoder. Features 3 power transformers; motor-driven volume control. 5 audio inputs; 6 S-video inputs; fiber-optic digital input; 5 audio outputs; 3 S-video outputs; line-level front, rear, center-channel, front-ence, and subwoofer outputs; 5-way binding posts; gold-plated terminals. Ambisonic surround decoder; 8 surround modes; 40 AM/FM presets; 6 preset groups with scan; direct station access; A/V and audio-only rec selectors; video dubbing capability; source-direct switch; on-screen displays; sleep timer; Onkyo RI-system compatibility; programmable remote control. 110 W x 2 rms into 8 ohms, 260 x 2 max into 3 ohms, or 110 x 3 (front, center) + 30 x 2 (rear) + 30 x 2 (front enhance) \$1,800

TX-SV70PRO 315-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features Dolby 3 Stereo mode. 6 audio and 4 video inputs; front-panel A/V input; line-level front, rear, center-channel, and subwoofer outputs; 5-way binding posts; headphone jack. Hall and matrix surround modes; adjustable digital delay; on-screen displays; 30 AM/FM presets; 6 preset groups; direct station access; FM-mute and tuning-level switches; sleep timer; Onkyo RI-system compatibility; programmable remote control. 90 W x 2 rms or 85 x 3 rms (front, center) + 30 x 2 (rear) \$850

TX-SV50PRO 200-W A/V Receiver

4 channels with Dolby Pro Logic decoder. Features Dolby 3 Stereo mode. 6 audio and 4 video inputs; line-level center-channel output; 5-way binding posts; headphone jack. Hall and matrix surround modes; adjustable digital delay; 30 AM/FM presets; 6 preset groups; FM-mute and tuning-level switches;

sleep timer; Onkyo RI-system compatibility; programmable remote control. 75 W x 2 rms or 70 x 2 rms (front) + 30 x 2 (rear) \$630

TX-SV303PRO 184-W A/V Receiver

4 channels with Dolby Pro Logic decoder. Features motor-driven volume control. 6 audio inputs; 2 video inputs; rear and center-channel line-level outputs. Hall surround mode; adjustable digital delay; 40 AM/FM presets with battery-free backup; 6 preset groups with scan; direct station access; video dubbing capability; source-direct switch; rec-out selector; sleep timer; Onkyo RI-system compatibility; remote control. 80 W x 2 rms + 12 x 2 into 8 ohms or 155 x 2 into 3 ohms \$500

TX-905 144-W Receiver

4 channels. Features auto tuner reception-optimization system to select mode, high-blend, and sens; motor-driven volume control. 6 audio inputs; 2 video inputs. 40 AM/FM presets with battery-free backup; 6 preset groups with scan; direct station access; video dubbing capability; rec-out selector; source-direct switch; sleep timer; Onkyo RI-system compatibility; remote control. 60 W x 2 rms + 12 x 2 into 8 ohms or 130 x 2 max into 3 ohms \$400

TX-903 60-W/ch Receiver

2 channels. Features logic-control feather-touch keys; auto tuner reception-optimization system; motor-driven volume control. 6 audio inputs; outputs for 2 speaker pairs. 40 AM/FM presets with battery-free backup; 6 preset groups; direct station access; loudness control; sleep timer; Onkyo RI-system compatibility; remote control. 60 W x 2 rms into 8 ohms or 120 x 2 max into 3 ohms \$280

TX-901 45-W/ch Receiver

2 channels. Features auto tuner reception-optimization system; logic-control feather-touch keys. 6 audio inputs; outputs for 2 speaker pairs. 40 AM/FM station presets with battery-free backup; 6 preset groups; direct station access; FM mute switch; loudness control; FL display. 45 W x 2 rms into 8 ohms or 105 x 2 max into 3 ohms \$220

OPTIMUS by RADIO SHACK

STAV-3250 220-W A/V Receiver

4 channels with Dolby Surround decoder. Features digital-synthesis tuner with FM signal-overload protection; thermal, power-surge, and short-circuit protection circuitry. 3 A/V inputs; front-panel A/V input; 2 audio inputs including phono; 2 tape-monitor loops; video-monitor output. Concert-hall and stadium modes; 30 AM/FM presets with labeling; FM mono/mute button, video and audio dubbing; 5-band graphic EQ; alphanumeric display. 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 10 x 2 rms into 8 ohms at 1,000 Hz with 0.5% THD (rear). S/N 82 dB phono, 94 dB line; THD 0.008% at 1,000 Hz, 80 W. FM: S/N 77 dB; cap ratio 1.5 dB; THD 0.14% stereo; image rej 80 dB; IF rej 90 dB; ch sep 55 dB at 1,000 Hz. AM: image rej 37 dB; IF rej 60 dB. 17 3/8 x 5 3/8 x 17 in; 27.3 lb \$450

STAV-3160 245-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features digital-synthesis tuner with FM signal-overload protection; thermal, power-surge, and short-circuit protection circuitry. 3 audio inputs including phono; 2 A/V inputs; video-monitor output. Dolby 3 Stereo mode; concert-hall sound field; 30 AM/FM presets with labeling; FM mono/mute button; video dubbing. 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 15 x 3 rms into 8 ohms at 1,000 Hz with 0.5% THD (center, rear). S/N 82 dB phono, 94 dB line; THD 0.008% at 1,000 Hz. FM: S/N 77 dB; cap ratio 1.5 dB; THD 0.14% stereo; image rej 80 dB; IF rej 90 dB; ch sep 55 dB at 1,000 Hz. AM: image rej 37 dB; IF rej 60 dB. 17 3/8 x 5 3/8 x 17 in; 27.3 lb \$400

STA-2170 100-W/ch Receiver

2 channels. 3 line-level inputs; MM phono input. 8 AM/16 FM presets; loudness, FM mono/mute, and tape-

monitor controls. FR 20-20,000 Hz ± 1 dB; S/N 82 dB phono, 95 dB line. FM: cap ratio 2 dB; IF rejection 85 dB; THD 0.4%; ch sep 45 dB at 1,000 Hz. 4 1/2 x 17 1/4 x 13 1/2 in \$300

STA-900 70-W/ch Receiver

2 channels. Features CMOS frequency-synthesis tuner; thermal, power-surge, and short-circuit protection circuitry. 3 audio inputs; 1 tape-monitor loop; phono input; headphone jack. 30 AM/FM presets; auto FM muting; FM-mono switch; seek tuning; 5-band EQ; balance control; loudness button. 70 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.5% THD. S/N 82 dB phono, 93 dB line; THD 0.02% at 1,000 Hz. FM: S/N 72 dB; cap ratio 1.2 dB; THD 0.4% stereo; image rej 70 dB; IF rej 85 dB; ch sep 50 dB at 1,000 Hz. AM: image rej 40 dB at 1,400 Hz; IF rej 60 dB at 600 Hz. 17 3/8 x 13 in; 16.8 lb \$250

STA-825 50-W/ch Receiver

2 channels. Features CMOS frequency-synthesis tuner; thermal, power-surge, and short-circuit protection circuitry. 2 audio inputs; 1 tape-monitor loop; phono input; headphone jack. 30 AM/FM presets; auto FM muting; FM-mono switch; seek tuning; bass, treble, and balance controls; loudness button. 50 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.5% THD. S/N 82 dB phono, 93 dB line; THD 0.02% at 20,000 Hz. FM: S/N 72 dB; cap ratio 1.3 dB; THD 0.3% stereo; image rej 50 dB; IF rej 90 dB; ch sep 43 dB at 1,000 Hz. AM: image rej 40 dB at 1,400 Hz; IF rej 56 dB. 16 1/2 x 4 x 13 in; 15 lb \$200

STA-795 50-W/ch Receiver

2 channels. Features digital tuning. 3 line-level inputs; MM phono input. 18 AM/FM presets; bass and treble controls; FM muting; loudness and tape-monitor controls. FR 40-20,000 Hz; THD 0.5% \$180

STA-300 15-W/ch Receiver

2 channels. Features digital tuning. 2 line-level inputs; MM phono input. 18 AM/FM presets; bass and treble controls; loudness control. FR 40-20,000 Hz; THD 0.5% \$140

STA-20 5-W/ch Receiver

2 channels. Designed for compact systems. 1 phono input; 1 line-level input. Features loudness switch; treble control. 5 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.9% THD. FR 40-20,000 Hz +0, -1.5 dB; S/N 70 dB phono, 72 dB line. FM: S/N 60 dB; ch sep 35 dB at 1,000 Hz. AM: S/N 37 dB \$100

PARASOUND

R/DR-5# 50-W/ch Receiver

2 channels. FMX digital tuner; discrete, high-current output. 6 inputs. 16 AM/FM presets; scan/manual tuning; remote control. FR 10-40,000 Hz; dynamic headroom 1.5 dB; THD 0.2%; S/N 90 dB. 19 x 3 1/2 x 12 1/2 in \$435

PHILIPS

The following feature a bus system that enables all 900 Series components to communicate with one another. 30 AM/FM presets with labeling, and direct station access.

FR-940 240-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features dual-room capability; auto cooling fan; electronic speaker switching. 8 audio and 4 video inputs; 2 audio and 2 video outputs; 2 digital inputs; 1 digital output. EQ presets; 5 surround modes; 4 digital delay settings; video dubbing; remote control. 100 W x 2 (front) + 20 x 1 (center) + 10 x 2 (rear), all into 8 ohms \$480

FR-930 170-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features auto cooling fan; electronic speaker switching; dual-room capability. 7 audio and 3 video inputs; 2 audio and 2 video outputs. EQ presets; 5 surround modes; 4 digital delay settings; video dubbing; remote control.

R E C E I V E R S

65 W x 2 (front) + 20 x 1 (center) + 10 x 2 (rear), all into 8 ohms \$430

FR-920 110-W A/V Receiver

4 channels with Dolby Surround decoder. Features electronic speaker switching; dual-room capability. 5 audio and 1 video input, 2 audio and 1 video output. 3 surround modes; digital delay; remote control. 50 W x 2 (front) + 5 x 2 (rear), all into 8 ohms \$270

FR-910 40-W/ch Receiver

2 channels. 5 audio inputs; 2 audio outputs. Remote control. 40 W x 2 into 8 ohms \$220

PIONEER

Models with auto source control feature one-touch power-on and auto recall of 2 source component's previous operating parameters (volume, input, etc.). Unless otherwise noted, all models, including the Elite Series, feature a motor-driven volume control.

VSX-D1SII 415-W A/V Receiver

5 channels with Dolby Pro Logic decoder and dsp. Features multiroom/multisource capability; digital AM beat reduction; source-direct switch. 6 video and 5 audio inputs including phono; pre-out/main-in loops; front-panel composite/S-video A/V input; 4 S-video inputs and 3 S-video outputs including 2 VCR loops and front-panel input; video signal-processor loop; 2 video-monitor outputs; 2 center-speaker outputs; subwoofer output. Jazz, dance, church, hall, and theater ambience presets; Dolby 3 Stereo and simulated-stereo modes; auto input balance for Dolby Pro Logic mode; adjustable digital delay; split-screen video enhancer with 5 preset levels; video dubbing; rec-out selector; 5 user ambience presets; 30 AM FM presets; digital 3-band EQ for front and center channels and bass and treble controls for rear channels with 5 user presets; FL level meters; sleep timer; programmable SR-system remote control. 130 x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.005% THD (front) + 55 x 1 into 8 ohms at 1,000 Hz with 0.08% THD (center) + 50 x 2 into 8 ohms at 1,000 Hz with 0.08% THD (rear) or 70 x 3 into 8 ohms from 20-20,000 Hz with 0.005% THD (front, center) + 55 x 2 into 8 ohms at 1,000 Hz with 0.08% THD (rear); 280 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; SN 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB at 400 Hz \$1,350

VSX-D901S 395-W A/V Receiver

5 channels with Dolby Pro Logic decoder and dsp. Multiroom/multisource capability; source-direct switch. 6 video and 4 audio inputs including phono; pre-out/main-in loops; front-panel composite/S-video A/V input; 4 S-video inputs and 3 S-video outputs including 2 VCR loops and front-panel input; 2 video-monitor outputs; subwoofer output; headphone jack. Jazz, dance, church, hall, and theater ambience presets; Dolby 3 Stereo and simulated-stereo modes; auto input balance for Dolby Pro Logic mode; one-touch surround-parameter memory recall; adjustable digital delay; split-screen video enhancer with 5 preset levels; video dubbing; rec-out selector; 30 AM FM presets with labeling; direct station access; on-screen displays; digital bass and treble controls for front channels with 5 user presets; sleep timer; programmable SR-system remote control. 125 W x 2 into 8 ohms from 20-20,000 Hz with 0.005% THD (front) + 55 x 1 into 8 ohms at 1,000 Hz with 0.05% THD (center) + 45 x 2 into 8 ohms at 1,000 Hz with 0.05% THD (rear); 280 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; SN 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB \$1,140

VSX-D701S 275-W A/V Receiver

5 channels with Dolby Pro Logic decoder and dsp. Features Dolby Time Link digital-delay system; multiroom capability. 5 video and 4 audio inputs including phono; front-panel A/V input; video-monitor output; 2 audio and 2 video outputs; line-level output for each channel. Jazz, dance, church, hall, theater, and simulated-surround ambience presets; Dolby 3 Stereo and simulated-stereo modes; auto input balance for

Dolby Pro Logic mode; surround-parameter memory recall; adjustable digital delay; video dubbing; 30 AM FM presets with labeling; direct station access; 5 factory EQ presets; A/B speaker switching; on-screen displays; sleep timer; programmable SR-system remote control. 110 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD or 65 x 3 (front, center) + 40 x 2 (rear) into 8 ohms at 1,000 Hz with 0.8% THD; 240 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; SN 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB at 400 Hz \$785

VSX-D601 275-W A/V Receiver

5 channels with Dolby Pro Logic decoder and dsp. Features Dolby Time Link digital-delay system; multiroom capability. 4 video and 4 audio inputs including phono; video-monitor output; line-level outputs for each channel; 2 audio and 2 video outputs; headphone jack. Dance, hall, theater, and simulated-surround ambience presets; Dolby 3 Stereo mode; auto input balance for Dolby Pro Logic mode; adjustable digital delay; one-touch surround-parameter memory recall; simulated-stereo mode; video dubbing; 30 AM FM presets with labeling; direct station access; 5 factory EQ presets; A/B speaker switching; sleep timer; preprogrammed SR-system remote control. 110 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD or 65 x 3 (front, center) + 40 x 2 (rear) into 8 ohms at 1,000 Hz with 0.8% THD; 240 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; SN 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB at 400 Hz. 16 $\frac{3}{8}$ x 6 $\frac{3}{8}$ x 16 in; 22 lb \$660

VSX-511S 235-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Dolby Time Link digital-delay system; multiroom capability; quartz-synthesis tuning. 4 video and 4 audio inputs including MM phono; video-monitor output; 2 audio and 2 video outputs; headphone jack. Dolby 3 Stereo, studio/simulated surround, and simulated-stereo modes; auto source control; video dubbing; 30 AM FM presets with labeling; preset scan; direct station access; A/B speaker switching; sleep timer; programmable SR-system remote control. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD or 65 x 3 (front, center) + 20 x 2 (rear) into 8 ohms at 1,000 Hz with 0.8% THD; 230 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; SN 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB \$575

VSX-501. As above, nonprogrammable remote \$510

VSX-451 225-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features Dolby Time Link digital-delay system; multiroom capability. 4 audio and 3 video inputs; center-channel output; 2 audio outputs; 2 video outputs; 1 video-monitor output; headphone jack. Dolby 3 Stereo, studio/simulated surround, and simulated-stereo modes. Video dubbing; 30 AM FM presets with labeling; preset scan; direct station access; A/B speaker switching; sleep timer; FL display; SR-system remote control. 80 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.5% THD (front) + 25 x 1 into 8 ohms at 1,000 Hz (center) + 20 x 2 into 8 ohms at 1,000 Hz (rear); 165 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; SN 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB at 400 Hz \$435

VSX-401 240-W A/V Receiver

4 channels with Dolby Surround decoder. Features discrete output transistors; multiroom capability; motor-driven volume control. 3 audio inputs including phono; 2 video inputs; 1 audio and 2 video outputs; 1 video-monitor output; headphone jack. Studio/simulated surround modes; simulated-stereo mode; adjustable digital delay; 30 AM FM presets with scan; direct station access; 7-band graphic EQ; video signal selector; A/B speaker switching; sleep timer with auto display dimmer; SR-system remote control. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 20 x 2 into 8 ohms at 1,000 Hz with 0.8% THD (rear); 230 x 2 into 2 ohms. FM: 50-dB quieting sens 37.1 dBf stereo; SN 76 dB stereo at 85 dBf; alt-ch sel 55 dB at 400 Hz; ch sep 35 dB at 1,000 Hz. 16 $\frac{1}{2}$ x 5 x 13 in; 18.8 lb \$395

SX-311R 70-W/ch Receiver

2 channels. 5 audio inputs including phono; headphone jack. 30 AM FM presets with scan; direct station access; 5-band graphic EQ; A/B speaker switching; sleep timer; FL display; SR-system remote control. 70 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.8% THD or 145 x 2 into 2 ohms. FM: 50-dB quieting sens 38.6 dBf stereo; SN 70 dB at 85 dBf stereo; alt-ch sel 50 dB at 400 Hz. 16 $\frac{3}{8}$ x 5 $\frac{1}{2}$ x 11 $\frac{3}{8}$ in; 15 lb \$285

SX-201. As above. 50 W x 2 into 8 ohms from 20-20,000 Hz with 0.8% THD; 85 x 2 into 4 ohms. No sleep timer, motor-driven volume control, or remote control. 16 $\frac{3}{8}$ x 5 $\frac{3}{8}$ x 11 $\frac{3}{8}$ in; 12 lb \$225

SX-251R 50-W/ch Receiver

2 channels. Features discrete output transistors. 5 inputs; headphone jack. 30 AM FM presets; direct station access; 5-band graphic EQ; A/B speaker switching; sleep timer; SR-system remote control. 50 W x 2 with 0.8% THD. 16 $\frac{3}{8}$ x 5 $\frac{3}{8}$ x 11 $\frac{3}{8}$ in; 12 lb \$260

Elite Series

All models feature SR-system remote-control compatibility.

VSX-95 370-W A/V Receiver

5 channels with Dolby Pro Logic decoder and dsp. 5 discrete amplifiers; multiroom/source capability; copper-plated chassis. 6 video and 5 audio inputs; 3 S-video inputs and 3 S-video outputs including 2 VCR loops; pre-out/main-in loop for each channel; gold-plated terminals. Jazz, dance, church, hall, and theater ambience presets; simulated-stereo mode; adjustable digital delay; auto input balance for Dolby Pro Logic mode; split-screen video enhancer; 30 AM FM presets; jog dial to adjust sound-field parameters; on-screen displays; FL display; sleep timer with auto display dimmer; programmable remote control. 125 W x 2 into 8 ohms from 20-20,000 Hz with 0.005% THD (front) + 40 x 3 into 8 ohms at 1,000 Hz with 0.08% THD (center, rear); 280 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; SN 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB at 400 Hz. 18 $\frac{1}{8}$ x 6 $\frac{3}{8}$ x 16 $\frac{1}{2}$ in; 35 lb \$1,350

VSX-52 190-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features multiroom/multisource capability; Dolby Time Link digital-delay system. 4 audio and 4 video inputs; line-level output for each channel; headphone jack; gold-plated terminals. Simulated/studio surround, simulated-stereo, and Dolby 3 Stereo modes; adjustable digital delay; video dubbing; 30 AM FM presets with labeling; direct station access; on-screen displays; A/B speaker switching; sleep timer; SR-system remote control. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD or 50 x 3 into 8 ohms from 20-20,000 Hz with 0.08% THD (front, center) + 20 x 2 cont avg into 8 ohms at 1,000 Hz with 0.8% THD (rear); 230 x 2 into 2 ohms. FM: 50-dB quieting sens 37 dBf stereo; SN 76 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB at 400 Hz. 17 $\frac{3}{8}$ x 6 $\frac{3}{8}$ x 16 $\frac{1}{2}$ in; 22 lb \$750

SX-31 100-W/ch Receiver

2 channels. Features non-switching power transistors; source-direct switch; multiroom capability. 6 audio inputs including phono input and gold-plated CD input. Tone controls; 30 AM FM presets with scan; A/B speaker switching; mute and loudness switches; remote control. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.03% THD or 230 x 2 into 2 ohms. FM: 50-dB quieting sens 38.1 dBf stereo; SN 73 dB at 85 dBf stereo; cap ratio 1 dB; alt-ch sel 55 dB at 400 Hz. 16 $\frac{1}{2}$ x 5 $\frac{1}{8}$ x 13 $\frac{1}{4}$ in; 17 lb \$450

PROTON

AV-646 60-W/ch Receiver

2 channels. Features Apex Aural Exciter to enhance vocal clarity; quartz-PLL tuner with Schotz II tuning circuitry and Schotz NR; motor-driven volume control. Line-level output; headphone jack. 9 AM/18 FM presets; mono/stereo switch; rotary tuning; tone-

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defeat switch; auto/manual tuning; loudness switch; remote control. 60 W x 2 cont avg into 8 ohms. FR 20-20,000 Hz \pm 0.2 dB; THD 0.02%; damping factor 150; S/N 95 dB line. FM: AM rej 65 dB; cap ratio 1 dB at 45 dBf. 18 1/2 x 4 3/4 x 15 3/8 in; 30 lb \$900

AV-445 50-W/ch Receiver

2 channels. PLL four-gang GASFET tuner. Line-level outputs; tape-monitor loop. Rotary tuning; tone controls; loudness switch; 8 AM/16 FM presets; mono/stereo switch; remote control. 50 W x 2 into 8 ohms; FR 20-20,000 Hz \pm 0.2 dB; THD 0.02%; S/N 100 dB line; FM: AM rej 63 dB; cap ratio 1.5 dB at 45 dBf \$400

ROTEL

RX950AX 50-W/ch Receiver

2 channels. 5 inputs; headphone jack. Auto/manual tuning; mono switch; tone defeat; illuminated preset buttons and volume control; remote control. 50 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. FM: 50-dB quieting sens 14.8 dBf mono, 37.2 dBf stereo; S/N 80 dB mono, 75 dB stereo; THD (at 65 dBf and 1,000 Hz) 0.07% mono, 0.25% stereo; cap ratio 1 dB; alt-ch sel 60 dB. 17 3/8 x 4 7/8 x 13 3/8 in \$600

RX940AX. As above, 40 W x 2 cont avg into 8 ohms from 20-20,000 Hz 0.03% THD. Alt-ch sel 63 dB. 17 3/8 x 3 3/8 x 13 3/8 in \$400

SANSUI

RZ-9500AV 300-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Features quartz-PLL digital-synthesis tuner. 4 audio and 3 video inputs; rear and center line-level outputs; speaker-level inputs; tape-monitor loop; coaxial FM-antenna input. 3 surround modes; 4 surround presets; adjustable digital delay; test-tone generator; electronic tone controls; source-direct switch. 30 AM/FM presets; preset scan; manual tuning; programmable remote control. 100 W x 2 (front) + 40 x 1 (center) + 30 x 2 (rear), all cont avg into 8 ohms with 0.02% THD. FR 10-70,000 Hz \pm 3 dB; S/N 73 dB phono, 85 dB line. FM: 50-dB quieting sens 17.2 dBf stereo; cap ratio 1.5 dB \$749

RZ-5500AVII 70-W/ch Receiver

2 channels. 4 speaker terminals. Bass boost; variable loudness; direct station access; 30 AM/FM presets; remote control. 70 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD. S/N 73 dB phono, 90 dB line. FM: 50-dB quieting sens 38.2 dBf stereo. 17 x 5 x 13 1/4 in; 21 lb \$429

RZ-3500II 50-W/ch Receiver

2 channels. 4 speaker terminals; 2 tape-monitor loops. Variable loudness; direct station access; preset scan; 30 AM/FM presets; remote control. 50 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.09% THD. S/N 73 dB phono, 90 dB line. FM: 50-dB quieting sens 40 dBf stereo \$389

RZ-2500. As above, 32 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.09% THD \$349

RZ-790 50-W/ch Receiver

2 channels. 4 audio and 1 video inputs; tape-monitor loop; 4 speaker terminals. Features 5-band graphic EQ; loudness; auto/manual tuning; preset scan; 8 AM/16 FM presets; remote control. 50 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.5% THD. S/N 73 dB phono, 95 dB line. FM: 50-dB quieting sens 40 dBf stereo. 17 x 4 1/2 x 11 7/8 in; 15 lb \$249

RZ-590 30-W/ch Receiver

2 channels. Features 8 AM/16 FM presets; auto/manual tuning; preset scan; remote control. 30 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.5% THD. S/N 73 dB phono, 95 dB line. FM: 50-dB quieting sens 13.2 dBf stereo. 17 x 5 1/8 x 11 7/8 in; 12 lb \$225

SHERWOOD

RV-6010RS 276-W A/V Receiver

5 channels with Dolby Pro Logic decoder. Features discrete amp stage; constant-current power supply;

auto input balance. 5 audio and 3 video inputs; pre-out main-in loop; 2 main speaker outputs; front-panel A/V input. Dolby 3 Stereo mode; source-direct switch; loudness switch; tone controls; 30 AM/FM presets; independent video switching; video dubbing; sleep timer; remote power-off; programmable remote control; Sherwood Digi-Link II system remote-control compatibility. 105 W x 2 (front) + 30 x 1 (center) + 18 x 2 (rear), all into 8 ohms with 0.03% THD. FR 20-20,000 Hz; S/N 77 dB phono, 100 dB line. FM: 50-dB quieting sens 36.2 dBf stereo; cap ratio 1.25 dB; alt-ch sel 55 dB. 17 3/8 x 5 1/2 x 15 in; 29 lb \$500

RV-6010R. As above, remote control not programmable \$450

RV-5010R 200-W A/V Receiver

2 channels with Dolby Surround decoder. Discrete amp stage. 4 audio inputs; 3 video inputs, including 1 on front panel; pre-out/main-in loops. Theater and stadium surround modes; independent video switching; 30 AM/FM presets; video dubbing; sleep timer; remote control. 85 W x 2 + 15 x 2 into ohms with 0.05% THD. FM: 50-dB quieting sens 37.5 dBf stereo; cap ratio 1.25 dB; alt-ch sel 55 dB; S/N 72 dB stereo. 17 1/4 x 5 x 12 in; 17 lb \$300

RX-4010R 65-W/ch Receiver

2 channels. Features discrete amp stage; matrix surround sound; quartz-reference digital FM tuning with dual-gate MOSFET front ends. 5 audio inputs; pre-out/main-in loops. 30 AM/FM presets; sleep timer; defeatable tone controls; remote control. 65 W x 2 into 8 ohms with 0.05% THD. FM: 50-dB quieting sens 37.5 dBf stereo; cap ratio 1.25 dB; alt-ch sel 55 dB; S/N 72 dB stereo. 17 1/4 x 5 x 12 in; 16 lb \$285

RX-2010 50-W/ch Receiver

2 channels. Discrete amp stage; quartz-reference digital FM tuning with dual-gate MOSFET front ends. 5 audio inputs; pre-out/main-in loops. 30 AM/FM presets; A/B speaker switching. 50 W x 2 into 8 ohms with 0.08% THD. FM: 50-dB quieting sens 38.1 dBf stereo; cap ratio 2 dB; alt-ch sel 52 dB; S/N 71 dB stereo. 17 1/4 x 4 1/4 x 9 3/4 in; 13 lb \$170

RX-1010 35-W/ch Receiver

2 channels. Discrete amp stage; quartz-reference digital FM tuning with dual-gate MOSFET front ends. 3 audio inputs. 30 AM/FM presets; A/B speaker switching. 35 W x 2 into 8 ohms with 0.08% THD. FM: 50-dB quieting sens 38.1 dBf stereo; cap ratio 2 dB; alt-ch sel 52 dB; S/N 71 dB stereo \$150

SONY

The following, including the ES Series, feature a discrete output stage, a motor-driven volume control, A/B speaker switching, and a headphone jack. All models, except the ES Series, feature a digital-synthesis tuner with 30 AM/FM presets and a selectable dynamic bass boost.

STR-D2090 285-W A/V Receiver

5 channels with digital Dolby Pro Logic decoder and DSP. Features 2-room capability; digital 3-band parametric EQ with \pm 10-dB boost/cut; digital dynamic-range compressor/expander. 6 audio inputs; 3 A/V inputs including one on front panel; 2 video-monitor outputs; tape-monitor loop; line-level center-channel output. Church, jazz, live, disco, theater, stadium, opera, and 2 hall ambience presets; 10 user ambience presets; on-screen displays; adjustable effect-level, room-size, wall-type, seat-position, and reverb-time ambience parameters; variable delay time; test-tone generator; auto input balance; sound-field memory for tuner presets; A/V dubbing; sleep timer; 2 AC outlets; programmable remote control. 120 W x 2 into 8 ohms with 0.04% THD or 75 x 3 into 8 ohms with 0.8% THD (front, center) + 30 x 2 into 8 ohms with 0.8% THD (rear). S/N 79 dB phono, 85 dB line; FR 20-20,000 Hz \pm 0.5 dB phono, 5-20,000 Hz \pm 0, -1 dB line. FM: 50-dB quieting sens 38.3 dBf stereo; ch sep 45 dB at 1,000 Hz; S/N 74 dB stereo; THD 0.4% stereo; cap ratio 1.2 dB \$1,000

STR-D1090. As above, without 2-room capability,

dynamic-range compressor/expander, line-level center-channel output, or on-screen displays. Remote control not programmable \$630

STR-D990 245-W A/V Receiver

5 channels with Dolby Pro Logic decoder. 5 audio inputs; 3 A/V inputs including 1 on front panel; 1 video-monitor output; 2 center-channel outputs; tape-monitor loop. Hall, live, disco, theater, and simulated ambience presets; 7 user-defined ambience presets; variable delay time; A/V dubbing; sound-field memory for tuner presets; test-tone generator; auto input balance; electronic tone controls; sleep timer; 2 AC outlets; remote control. 100 W x 2 into 8 ohms with 0.1% THD or 65 x 3 into 8 ohms from 20-20,000 Hz with 0.1% THD (front, center) + 25 x 2 into 8 ohms at 1,000 Hz with 0.8% THD (rear). S/N 79 dB phono, 85 dB line. FM: 50-dB quieting sens 38.3 dBf stereo; ch sep 45 dB at 1,000 Hz; S/N 70 dB stereo; THD 0.5% stereo; cap ratio 1.2 dB. 17 x 6 x 13 3/4 in; 23 lb \$480

STR-D790. As above, 80 W x 2 into 8 ohms from 20-20,000 Hz with 0.1% THD (front) + 20 x 3 into 8 ohms at 1,000 Hz with 0.8% THD (center, rear). Without 2 center-channel outputs, A/V dubbing, or front-panel A/V input. Features line-level center-channel output \$380

STR-D590 140-W A/V Receiver

4 channels with Dolby Surround decoder. 4 audio and 2 A/V inputs; video-monitor output; headphone jack. Hall, live, disco, theater, and simulated ambience presets; 3 user ambience presets; selectable delay time; manual input balance; video dubbing; tone controls; 1 AC outlet; remote control. 60 W x 2 into 8 ohms from 40-20,000 Hz with 0.8% THD (front) + 10 x 2 into 8 ohms at 1,000 Hz with 0.8% THD (rear). S/N 72 dB phono, 80 dB line. FM: 50-dB quieting sens 38.3 dBf stereo; ch sep 45 dB at 1,000 Hz; S/N 70 dB stereo; THD 0.5% stereo; cap ratio 1.2 dB. 17 x 5 1/2 x 11 3/4 in; 15 lb \$270

STR-D390 40-W/ch Receiver

2 channels. Tape-monitor loop; 1 A/V input; video-monitor output. Variable loudness control; tone controls; 1 AC outlet; remote control. 40 W x 2 into 8 ohms from 40-20,000 Hz with 0.8% THD. S/N 72 dB phono, 80 dB line. FM: 50-dB quieting sens 38.3 dBf stereo; ch sep 45 dB at 1,000 Hz; S/N 70 dB stereo; THD 0.5% stereo; cap ratio 1.2 dB. 17 x 5 1/2 x 11 3/4 in \$220

ES Series

The following feature proprietary Class A circuitry, separate transformers for audio and control functions, a quartz-PLL digital-synthesis tuner with 30 AM/FM presets, a source-direct switch, and two AC outlets. All tuners have the following FM specs: 50-dB quieting sens 38.3 dBf stereo; ch sep 45 dB; THD 0.4% stereo; cap ratio 1.2 dB; IF rej 90 dB; image rej 80 dB. All tuners have the following AM specs: sens 50 dBm; S/N 54 dB and THD 0.5% at 1,000 Hz.

STR-GX99ES 285-W A/V Receiver

4 channels with digital Dolby Pro Logic decoder and DSP. Multiroom capability; variable digital delay from 15-30 ms. 5 audio inputs; 3 A/V inputs including 1 on front panel; 2 fiber-optic digital inputs; line-level center- and rear-channel outputs; tape-monitor loop; 2 video-monitor outputs; 2 center-channel outputs. Icon- and window-based on-screen displays; 20 user/factory ambience presets including opera, church, stadium, live, jazz, disco, theater, and 2 hall; auto input balance; digital 3-band parametric EQ; digital dynamic-range compressor/expander; dynamic bass boost; test-tone generator; video dubbing; sleep timer; programmable remote control. 120 W x 2 into 8 ohms from 20-20,000 Hz with 0.08% THD or 75 x 3 (front, center) + 60 x 1 (rear) into 8 ohms at 1,000 Hz with 0.8% THD. S/N 79 dB phono, 85 dB line. Simulated-wood side panels \$1,000

STR-GX69ES 300-W A/V Receiver

4 channels with Dolby Pro Logic decoder. Features 3-position digital delay; source-direct switch. 5 audio and 2 A/V inputs; main-amp inputs for front channels; video-monitor output; line-level center- and rear-

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channel outputs; 2 center-channel speaker outputs; signal-processor and tape-monitor loops. Hall and simulated surround modes; auto/manual input balance; test-tone generator; video dubbing, tone and loudness controls; FL display; programmable remote control. 100 W x 2 into 4/8 ohms from 20-20,000 Hz with 0.08% THD (front) + 50 x 2 into 8 ohms at 1,000 Hz with 0.8% THD (center, rear). S/N 85 dB phono, 86 dB line. 17 x 5 7/8 x 14 1/4 in.; 30 lb. \$700

STR-GX59ES. As above, 80 W x 2 into 4/8 ohms from 20-20,000 Hz with 0.08% THD (front) + 30 x 2 into 8 ohms at 1,000 Hz with 0.8% THD (center, rear). Without main-amp inputs or surround modes. Remote control not programmable. 28 lb. \$600

STR-GX49ES 60-W/ch Receiver

2 channels. Features source-direct switch, 4 audio and 1 A/V inputs; tape-monitor loop; video-monitor output. Tone and loudness controls; remote control. 60 W x 2 into 4/8 ohms from 20-20,000 Hz with 0.08% THD. S/N 85 dB phono, 86 dB line. \$380

TEAC

The following feature a motor-driven volume control.

AG-V1200 230-W A/V Receiver

4 channels with Dolby Surround decoder. Features quartz-PLL tuner; Surround input-level calibration; hall and theater surround modes; 30 AM/FM presets; tone and variable-loudness controls; remote control. 100 W x 2 (front) + 15 x 2 (rear), all cont avg into 8 ohms with 0.08% THD. S/N 73 dB mono, 40 dB stereo. FM: cap ratio 1.5 dB; alt-ch sel 65 dB. \$450

AG-V1020 200-W/ch Receiver

2 channels. Features discrete design; quartz-PLL tuner; matrix surround. 2 A/V inputs; 1 A/V output; headphone jack. 30 AM/FM presets; preset scan; auto tuning; loudness switch; mute button; FL display; direct station access; remote control. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.08% THD. S/N: 70 dB phono, 94 dB line. FM: AM rej 60 dB; cap ratio 1.5 dB; image rej 55 dB; THD (at 1,000 Hz) 0.2% mono, 0.4% stereo; S/N 75 dB mono, 70 dB stereo. 17 1/8 x 5 1/4 x 13 7/8 in.; 23 lb. \$380

AG-1000 100-W/ch Receiver

2 channels. Features 5-band graphic EQ; matrix surround; quartz-PLL tuner. 2 line-level inputs; phono input; gold-plated headphone jack. Loudness control; mute button; 16 AM/FM presets; remote control. 50 W x 2 cont avg into 8 ohms with 0.08% THD. S/N 65 dB phono, 75 dB line; FR 20-20,000 Hz ± 1 dB phono, 10-70,000 Hz = 1 dB line. \$360

AG-620 100-W/ch Receiver

2 channels. Features quartz-PLL tuner. Headphone jack. Loudness switch; mute button; 30 AM/FM presets; auto preset scan; FL display; direct station access; remote control. 50 W x 2 cont avg into 8 ohms from 40-20,000 Hz with 0.08% THD. S/N 70 dB phono, 94 dB line. FM: THD (at 1,000 Hz) 0.2% mono, 0.4% stereo; S/N 75 dB mono, 70 dB stereo; cap ratio 1.5 dB. 17 1/8 x 5 x 11 1/2 in.; 15.4 lb. \$280

TECHNICS

SA-GX910 370-W Digital A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Features 1-bit MASH D/A converter; quartz-synthesis digital-encoded rotary tuning; Class A amp circuitry; cooling fan. 2 fiber-optic inputs; 1 fiber-optic output; 5 audio and 4 video inputs; front-panel A/V input; 3 S-video inputs; pre-out/main-in loops. 3 surround modes; Dolby 3 Stereo mode; 4-band parametric EQ with 3 fixed and 3 user presets; 15-band spectrum analyzer; normal and phantom center-channel modes; adjustable digital delay (15-30 ms); 30 AM/FM presets; rear, center, and L/R input controls; A/B speaker selector; loudness control; programmable remote control. 125 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.008% THD (front) + 60 x 1 from 50-15,000 Hz with 0.8% THD (center) + 30 x 2 at 1,000 Hz (rear). S/N 70 dBA. FM: 50-dB quieting sens 40.2

dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB. 17 x 6 1/4 x 17 in.; 33 lb. \$1,000

SA-GX730 370-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Quartz-synthesis digital-encoded rotary tuning; Class A amp circuitry; cooling fan. 5 audio and 4 video inputs; front-panel A/V input; pre-out/main-in loops. 3 surround modes; Dolby 3 Stereo mode; 4-band parametric EQ with 3 fixed and 3 user presets; 15-band spectrum analyzer; normal and phantom center-channel modes; adjustable digital delay (15-30 ms); 30 AM/FM presets; rear, center, and L/R input controls; A/B speaker selector; loudness control; programmable remote control. 125 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.008% THD (front) + 60 x 1 from 100-15,000 Hz with 0.8% THD (center) + 30 x 2 at 1,000 Hz (rear). S/N 70 dBA. FM: 50-dB quieting sens 40.2 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB. 17 x 6 1/4 x 17 in.; 32 lb. \$749

SA-GX530 245-W A/V Receiver

4 channels with Dolby Pro Logic decoder and DSP. Quartz-synthesis digital-encoded rotary tuning; Class A amp circuitry; cooling fan. 4 audio and 2 video inputs. 3 surround modes; Dolby 3 Stereo mode; 4-band parametric EQ with 3 fixed and 3 user presets; 15-band spectrum analyzer; normal and phantom center-channel modes; 30 AM/FM presets; rear, center, and L/R input controls; A/B speaker selector; loudness control; programmable remote control. 110 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 15 x 1 from 100-15,000 Hz with 0.8% THD (center) + 10 x 1 at 1,000 Hz (rear). S/N 70 dBA. FM: 50-dB quieting sens 38.3 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB. \$449

SA-GX330 210-W A/V Receiver

4 channels with Dolby Pro Logic decoder. 3 amp channels and line-level center-channel output. Quartz-synthesis digital-encoded rotary tuning; Class A amp circuitry; cooling fan. 4 audio and 2 video inputs. 3 surround modes; Dolby 3 Stereo mode; normal and phantom center-channel modes; 30 AM/FM presets; rear, center input controls; A/B speaker selector; programmable remote control. 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD (front) + 10 x 1 at 1,000 Hz (rear). S/N 70 dBA. FM: 50-dB quieting sens 38.3 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB. \$449

SA-GX130 70-W/ch Receiver

2 channels. Quartz-synthesis tuning. 4 audio and 1 video input. 30 AM/FM presets; preset scan; tone controls; A/B speaker selector. 70 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.5% THD. S/N 68 dBA phono, 70 dBA line. FM: 50-dB quieting sens 38.3 dBf stereo; cap ratio 1 dB; alt-ch sel 65 dB. \$239

VECTOR RESEARCH

VRX-5200R 50-W/ch Receiver

2 channels. Features matrix surround; 8 discrete output transistors; quartz-synthesis tuning. Pre-out/main-in loop; video-monitor output; A/V processing loop. 20 AM/FM presets; scan tuning; 2 AC outlets; separate FM mute and mono; video signal routing. THD 0.07%; FR 10-50,000 Hz. FM: 50-dB quieting sens 15.6 dBf mono, 37.6 dBf stereo; cap ratio 1.3 dB; alt-ch sel 60 dB. 17 x 4 1/2 x 13 1/2 in.; 17 lb. \$370

VRX-3600R 40-W/ch A/V Receiver

2 channels. Features matrix surround; 8 discrete output transistors; quartz-synthesis tuning. Pre-out/main-in loop; video-monitor output; A/V processing loop. 20 random AM/FM presets; auto scan; 2 AC outlets; separate FM mute and mono; video signal routing. 40 W x 2 into 8 ohms. THD 0.08%; FR 10-50,000 Hz. FM: 50-dB quieting sens 15.6 dBf mono, 37.6 dBf stereo; alt-ch sel 58 dB. \$320

VRX-3550 55-W/ch Receiver

2 channels. Features discrete output stage; mid-range tone control; rear-panel inputs. 55 W x 2. Damping factor 100. \$250

VRX-2700 30-W/ch A/V Receiver

2 channels. 8 discrete output transistors; quartz-synthesis tuning. Pre-out/main-in loops; video-monitor output; A/V-processor loop. 20 AM/FM presets; scan tuning; 2 AC outlets; separate FM mute and mono; video signal routing. THD 0.09%; FR 10-50,000 Hz. FM: 50-dB quieting 17.2 dBf mono, 38.7 dBf stereo; cap ratio 1.5 dB; alt-ch sel 58 dB. \$220

YAMAHA

RX-V1050 390-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. Direct-PLL IF count tuning. 8 audio and 4 video inputs; 3 S-video inputs; subwoofer output with low-pass filter; pre-out/main-in loops for main channels; line-level outputs for rear and center channels; switchable dual center-channel outputs for 2 speakers; 5-way binding posts. 4 DSP modes; 40 AM/FM presets; digital test-tone generator for Dolby Pro Logic mode; auto input balance; rec-out selector; sleep timer; RS-system compatible programmable remote control. 110 W x 3 (left, right, center) into 8 ohms from 20-20,000 Hz with 0.015% THD + 30 x 2 (rear) at 1,000 Hz with 0.08% THD. \$1,199

RX-V850. As above, no S-video inputs. 7 audio inputs; 3 video inputs. 80 W x 3 (left, right, center) into 8 ohms + 25 x 2 (rear). \$799

RX-950 120-W/ch Receiver

2 channels. Features Class A amplification; direct-PLL IF count synthesis tuning; motor-driven input selector. 5 audio and 2 video inputs; 2 line-level outputs for multiroom systems; pre-out/main-in loop; 5-way binding posts. 40 AM/FM presets; signal-strength meter; continuously variable loudness control; tone and balance controls; tone, balance, loudness, and pre-main bypass switch; rec-out selector; remote control. 120 W x 2 cont avg into 8 ohms with 0.015% THD or 340 x 2 into 2 ohms. \$899

RX-750. As above, without multiroom outputs. Class AB design. 80 W x 2 cont avg into 8 ohms with 0.015% THD or 200 x 2 into 2 ohms. \$529

RX-V660 205-W A/V Receiver

5 channels with Dolby Pro Logic decoder and DSP. PLL IF count tuning; auto input balance. 7 audio and 3 video inputs; 2 tape-monitor loops; line-level center-channel output; pre-out/main-in loops for front channels. 4 DSP modes; 40 AM/FM presets; sleep timer; multi-status station memory; A/B speaker switching; RS-system remote control. 65 W x 2 (front) into 8 ohms from 20-20,000 Hz with 0.02% THD + 25 x 3 (center, rear) into 8 ohms with 0.08% THD. \$649

RX-550 60-W/ch Receiver

2 channels. Direct PLL IF count synthesis tuning; motor-driven input selector. 6 audio inputs; 5-way binding posts. 40 AM/FM presets; signal-strength meter; defeatable tone, balance, and loudness controls; rec-out selector; A/B speaker switching; sleep timer; remote control. 60 W x 2 cont avg into 8 ohms with 0.015% THD or 150 x 2 into 2 ohms. \$399

RX-460 55-W/ch Receiver

2 channels. Direct PLL IF count synthesis tuning. 6 audio inputs; 2 tape-monitor loops. 40 AM/FM presets; A/B speaker selector; continuously variable loudness control; tone and balance controls; loudness, tone, and balance controls with source-direct switch; signal-strength meter; RS-system remote control. 55 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.04% THD or 130 x 2 into 2 ohms. 17 1/8 x 5 1/4 x 11 1/2 in.; 16 lb. \$329

RX-360. As above, without source-direct switch. 5 inputs. 45 W x 2 from 50-20,000 Hz or 98 x 2 into 2 ohms. \$279

RX-350 40-W/ch Receiver

2 channels. Direct-PLL synthesis tuning. Auto search and manual up/down tuning; 16 AM/FM presets; signal-strength meter; A/B speaker switching; CD-direct switch; dynamic bass-extension function; continuously variable loudness control. 40 W x 2 cont avg into 8 ohms with 0.04% THD or 88 x 2 into 2 ohms. \$239

ACURUS

DIA-100 100-W/ch Integrated Amplifier

2 channels. Direct input design with single gain stage. 6 inputs. Volume, balance, and switching controls. 100 W x 2 into 8 ohms or 150 x 2 into 4 ohms. Input sens 0.2 V. 17 x 3 1/2 x 8 in. \$995

AMC

CVT 3030 30-W/ch Tube Integrated Amplifier

2 channels. Features Class A design; 2 EL34 vacuum tubes/ch; seven 240-V MOSFET devices/ch; fixed-bias output tubes; no relay or switch contacts between output transformer and speaker terminals. 1 phono and 6 line-level inputs; tape loop; gold-plated speaker terminals. Tone defeat. 30 W x 2 from 50-20,000 Hz with 1% THD. SN 80 dBA at 1 W. \$900

ARCAM

Delta 90.2 70-W/ch Integrated Amplifier

2 channels. Features toroidal power transformer; aluminum chassis. MC MM phono inputs; 2 tape-monitor loops; 2 main-speaker outputs. Independent listen and rec; defeatable tone controls. 70 W x 2 into 8 ohms. THD 0.02% at 1,000 Hz. 17 x 3 1/2 x 11 1/2 in; 18 lb. \$799

Delta 60 50-W/ch Integrated Amplifier

2 channels. Features 200-VA toroidal power transformer; separately regulated MM MC phono stage. Tape-monitor loop; 2 main-speaker outputs. 50 W x 2 into 8 ohms. FR 20-20,000 Hz; THD 0.02% at 1,000 Hz. 17 x 3 1/2 x 11 1/2 in; 15 lb. \$649

Alpha 3 40-W/ch Integrated Amplifier

2 channels. Features toroidal power transformer; aluminum chassis. MC MM phono inputs; video input; tape-monitor loop; 2 main-speaker outputs. Defeatable tone and balance controls. 40 W x 2 into 8 ohms. FR 20-20,000 Hz; THD 0.02% at 1,000 Hz. \$399

AUDIO DESIGN ASSOCIATES

MRA-808 640-W Integrated Amplifier

16 channels. Designed for use with System 8000 multiroom system. Consists of 8 integrated-amp modules. Features digitally controlled tone and volume for each module. Each module: 40 W x 2 into 8 ohms from 20-20,000 Hz with 0.03% THD or 60 x 2 into 4 ohms. Slew rate 10 V/μs. 12 1/4 x 19 x 14 1/2 in; 52 lb. \$8,295

CR-8A 25-W/ch Integrated Amplifier

2 channels. Designed for use with System Omega multiroom system. Features power fuse; toroidal power transformer. Signal-processor loop. Gain control; rear-access balance-setting switch; LED volume, bass, and treble indicators. Infrared receiver optional. 25 W x 2 cont avg from 20-20,000 Hz with 0.02% THD into 8 ohms or 40 x 2 into 4 ohms. SN 104 dB. 19 x 3 1/2 x 11 in; 13 lb. \$1,750

AUDIO INNOVATIONS

Series 500 25-W/ch Tube Integrated Amplifier

2 channels. Class A operation; self-biasing circuit; partially hand-wired circuits; low-feedback design; 4/8/16-ohm output imp. 25 W x 2 cont avg into 8 ohms from 30-20,000 Hz with 0.1% THD. SN 65 dB phono; sens 3.5 mV phono, 150 mV line; input imp 100,000 ohms. 37.6 lb. \$2,195

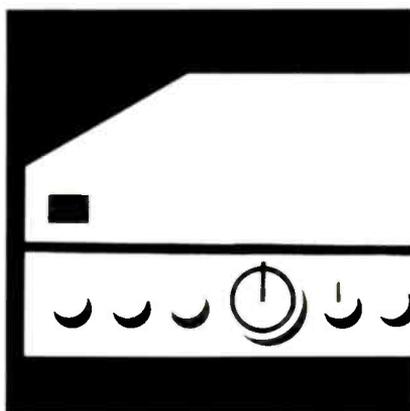
Series 300 II 9-W/ch Tube Integrated Amplifier

2 channels. Class A operation. 9 W x 2 cont avg into 6 ohms from 20-15,000 Hz with 0.03% THD. SN 60 dB phono; sens 4.25 mV phono, 250 mV line; input imp 47,000 ohms. 23 lb. \$1,295

AUDIOLAB

Model 8000A MKII 100-W/ch Integrated Amplifier

2 channels. Features high-current power supply; overload protection and muting. Separate MC and MM



Inputs. Rec-out selector; defeatable tone controls. 60 W x 2 into 8 ohms or 100 x 2 into 4 ohms. Frequency response 1-65,000 Hz; signal-to-noise ratio 81 dB MM. 77 dB MC, 90 dB line; total harmonic distortion 0.05%. 17 1/2 x 3 x 13; 19 lb. \$799

AUDIO NOTE

Ongaku 27-W/ch Tube Integrated Amplifier

2 channels. Features Class A operation; zero feedback; parallel single-ended circuitry; direct-heated 211A triode output stage; tube-regulated power supply; silver hand-wired circuitry; silver-wired output transformers; silver-foil capacitors; tantalum-film resistors; copper chassis. 27 W x 2 cont avg into 8 ohms. FR 10-40,000 Hz; slew rate 5 V/μs; input imp 250 kilohms. 70 lb. \$60,000

Oto 12-W/ch Tube Integrated Amplifier

2 channels. Features Class A operation; 10-dB feedback; Independent power supplies for preamp and power-amp stages; series-regulated push-pull circuitry; slow-start circuit; OFHC output transformers; aluminum chassis; EL-84 pentode output stage; buffered line stage. 12 W x 2 cont avg into 6 ohms. 38 lb. \$2,495

BMB

The following amps include a karaoke, or sing-along, section.

DA-X1 120-W/ch Cassette Deck Integrated Amp

2 channels. Features built-in cassette deck with auto-rewind; digital echo processor and pitch controller. 4 audio inputs; 3 video inputs/outputs; 5 mic inputs. Echo-level, delay, repeat, motorized volume, tone, controls; remote control. 16 1/2 x 6 3/8 x 15 3/4 in; 26 lb. \$1,699

DA-X2 80-W/ch Integrated Amplifier

2 channels. Features digital echo processor and pitch controller. 5 audio inputs; 3 video inputs/outputs; 5 mic inputs; tape-monitor loop. Echo-level, delay, repeat, and tone controls; remote control. 16 1/2 x 5 1/8 x 15 3/4 in; 21 lb. \$1,349

DA-550 50-W/ch Integrated Amplifier

2 channels. Features digital echo processor and pitch controller; MPX sound switch; vocal changeover system. Surround-processor input; 3 audio, 2 video and 2 mic inputs. Echo-level, delay, and repeat controls. 16 1/2 x 3 1/4 x 13 in; 14.5 lb. \$549
DA-500. As above, without pitch controller. \$449

CAMBRIDGE AUDIO

P70 60-W/ch Integrated Amplifier

2 channels. Toroidal transformers with tuned reservoir capacitors. 5 inputs; MC and MM gold-plated phono inputs; 5-way binding posts. Passive defeatable tone controls. 60 W x 2 into 8 ohms. FR 3-82,000 Hz ± 3 dB; THD 0.01% at 50% rated power; SN 68 dBA

MC, 80 dBA MM, 100 dBA line. 17 x 3 1/4 x 13 in; 14 lb. \$600
P50. As above, 50 W x 2. Tape-monitor loop. 13 lb. \$500
P25. As above, 30 W x 2. FR 11-36,000 Hz ± 3 dB; THD 0.02% at 1,000 Hz, 25 W; SN 60 dBA MC, 73 dBA MM, 74 dBA line. \$350

CARVER

CM-1090 100-W/ch Integrated Amplifier

2 channels. Features Sonic Holography ambience-enhancement circuitry; motor-driven volume control. CD-direct input; 7 audio inputs; 2 tape-monitor loops with dubbing capability; pre-out/main-in loop. Matrix surround mode. A/B speaker switching, 3-band tone controls; balance control; analog power meters; 4 AC outlets; remote control. 100 W x 2 into 8 ohms or 140 x 2 into 4 ohms from 20-20,000 Hz with 0.1% THD. SN 105 dBA, 80 dBA MM; FR 20-20,000 Hz ± 1 dB. 19 x 4 3/4 x 15 1/2 in. \$600

CREEK

Model 6060 60-W/ch Integrated Amplifier

2 channels. MM MC phono inputs; 3 line-level inputs and outputs; 2 tape-monitor loops; pre-out/main-in loop. Features tape dubbing; active/passive tone controls; A/B speaker switching. 200 W x 1. \$1,095

Model 4140/S2 40-W/ch Integrated Amplifier

2 channels. MM MC phono input; 2 line-level inputs; tape-monitor loop. 40 W x 2 into 8 ohms. \$600

Model 4#40/S3. As above, no MC stage. 30 W x 2. \$500

DENON

AVC-3030 400-W A/V Integrated Amplifier

5 channels with Dolby Pro Logic decoder and DSP. Features 5 discrete amps; 3 front amps with optically-coupled Class-A circuitry; 4 Dolby modes; wide-screen, live, mono-movie, classic, rock, church, jazz, stadium, and matrix ambience presets; bass boost; cinema sound equalizer. 10 audio inputs; 5 video inputs; 5 S-video inputs; 13 audio outputs; 3 video outputs; 3 S-video outputs. Adjustable delay and room size; auto input balance for Dolby Pro Logic mode; FL alphanumeric display; separate A/V input and rec-out selectors; videodisc- and CD-direct modes; non-volatile memory for preferred control settings; programmable remote control with 5 command-sequence keys. 110 W x 2 (front) + 110 x 1 (center) + 35 x 2 (rear), all into 8 ohms. \$1,300

AVC-3020 300-W A/V Integrated Amplifier

4 channels with Dolby Pro Logic decoder. Features Dolby Time Link digital-delay system; 4 Dolby modes; hall, simulated, live, synthetic, and spectarea ambience presets; dialogue-enhancing EQ. 9 audio and 5 video inputs; 9 audio and 3 video outputs; S-video inputs and outputs. Adjustable 0-130 ms digital delay; FL alphanumeric display; non-volatile memory; separate A/V input and rec-out selectors; auto input balance; remote control with 5 command-sequence keys. 80 W x 2 + 35 x 4 into 8 ohms. \$1,000

PMA-1080R 105-W/ch Integrated Amplifier

2 channels. Features optically-coupled Class-A circuitry; complementary topology; toroidal transformer. Line-level outputs. Separate input and rec-out selectors; last-function memory; remote control; Denon IS remote-control compatibility. 105 W x 2 into 8 ohms from 20-20,000 Hz. THD 0.005%; FR 1-250,000 Hz; SN 94 dB MM, 76 dB MC, 110 dB line. \$650

PMA-880R 75-W/ch Integrated Amplifier

2 channels. Features optical Class-A circuitry; complementary topology; toroidal transformer. Line-level outputs. Separate input and rec-out selectors; last-function memory; remote control; Denon IS remote-control compatibility. 75 W x 2 into 8 ohms from 20-20,000 Hz. Total harmonic distortion 0.02%; frequency response 4-100,000 Hz; signal-to-noise ratio 94 dB MM, 76 dB MC, 110 dB line. \$450

PMA-680R 65-W/ch Integrated Amplifier

2 channels. Features discrete circuitry; complementary topology; toroidal transformer. Separate input and rec-out selectors; last-function memory; remote control; Denon IS remote-control compatibility. 65 W x 2 into 8 ohms from 20-20,000 Hz. THD 0.05%; FR 4-100,000 Hz; signal-to-noise ratio 94 dB MM, 75 dB MC, 107 dB line \$400

HARMAN KARDON

The following high-current amps use discrete circuitry and low negative feedback.

HK6950R 170-W/ch Integrated Amplifier

2 channels. Features toroidal transformer; subsonic-filter. MM/MC phono inputs; 5 line-level inputs; 2 tape-monitor loops; pre-out/main-in loop; headphone jack. Phase-correct loudness and tone-defeat switches; phono and rec-out selectors; remote control. 170 W x 2 into 8/4 ohms from 20-20,000 Hz with 0.08% THD. FR 0.2-20,000 Hz +0, -3 dB at 1 W; S/N 80 dB MM, 76 dB MC, 98 dB line, 110 dB main; slew rate 280 V/μs; damping factor 65. 17 3/4 x 6 1/4 x 15 3/4 in; 39.6 lb \$1,299

HK6650R. As above, with nondefeatable tone controls. Features mono switch. 100 W x 2 into 4/8 ohms from 20-20,000 Hz with 0.08% THD. FR 0.5-200,000 Hz +0, -3 dB; slew rate 180 V/μs. 17 3/8 x 5 3/8 x 14 1/2 in; 24.6 lb \$799

HK6350R. As above, without rec-out switch or pre-out/main-in loop. Features signal-processor loop. 60 W x 2 into 8/4 ohms from 20-20,000 Hz with 0.09% THD. Slew rate 140 V/μs; damping factor 60. 17 3/8 x 4 1/8 x 14 1/2 in; 18.1 lb \$499

HK6250 45-W/ch Integrated Amplifier

2 channels. 6 inputs including 2 tape-monitor loops; headphone jack. Phase-correct loudness switch; tone and balance controls; remote control. 45 W x 2 into 8/4 ohms from 20-20,000 Hz with 0.09% THD. FR 0.5-150,000 Hz +0, -3 dB; S/N 80 dB phono, 98 dB line; slew rate 90 V/μs; damping factor 60. 17 3/8 x 4 1/2 in; 15 lb \$349

HK6150. As above, 30 W x 2 into 4/8 ohms from 20-20,000 Hz with 0.09% THD. S/N 78 dB phono, 98 dB line. 14 lb \$279

JVC

AX-Z911BK 100-W/ch Digital Integrated Amplifier

2 channels. Features separate digital and analog circuits; proprietary circuitry for Class A sonic characteristics and Class B efficiency; D/A converter with 4x oversampling filter and auto 32-, 44.1-, or 48-kHz sampling-rate selection; low-imp drive capability; motor-driven volume control. Fiber-optic and coaxial digital inputs; switchable digital coaxial input/output; gold-plated terminals; MM/MC phono inputs. Compu Link system compatibility; remote control. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.0005% THD. FR 0-200,000 Hz +0, -3 dB line, 20-20,000 Hz ±0.2 dB phono; S/N 80 dB MM, 73 dB MC, 85 dB line; damping factor 200. 18 3/4 x 6 5/8 x 16 1/2 in; 44 lb \$1,100

Super Digifine Series

AX-V1050TN 400-W Digital A/V Integrated Amp

5 channels with Dolby Pro Logic decoder and dsp. Features 1-bit A/D and D/A converters with 4th-order noise shaping. 6 audio and 7 video inputs; 2 audio and 3 video outputs; tape-monitor loop; 3 S-video terminals; 2 mono subwoofer outputs; 6 speaker outputs. Normal, wide, and phantom center-channel modes; symphony-hall, recital-hall, church, jazz-club, pavilion, and stadium ambience presets; parametric center-channel EQ; adjustable center-channel delay; CD- and D/A-converter-direct switches; FL display; composite to S-video conversion; programmable remote control. 100 W x 2 with 0.007% THD (front) + 80 x 1 (center) + 60 x 2 (rear) with 0.7% THD; 300 x 2 into 2 ohms. FR 5-70,000 Hz +0, -3 dB; signal-to-noise ratio 67 dB MM, 80 dB line. 17 3/8 x 6 1/4 x 17 1/2 in; 35 lb \$1,500

AXZ-1010TN 100-W/ch Digital Integrated Amp

2 channels. Features Digital Pure-A design to reduce switching distortion and heat dissipation; K2 digital input interface with 8x-oversampling filter and four 18-bit D/A converters; parallel push-pull transistor configuration. Connections for 2 speaker pairs; MM/MC phono inputs. Switchable D/A-converter-direct mode; remote control. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.004% total harmonic distortion. Damping factor 200 at 1,000 Hz, 8 ohms; signal-to-noise ratio 73 dB MC, 82 dB MM, 86 dB line. 17 1/4 x 6 7/8 x 18 1/8 in; 37 lb \$1,200

KENWOOD

The following products feature low-impedance drive capability.

KA-V9500 360-W Digital A/V Integrated Amp

6 channels with Dolby Pro Logic decoder and dsp. Features discrete amp circuitry; 18-bit A/D converter; 16-bit digital delay; Dolby 3 Stereo mode; dual power transformers; motor-driven volume control; source-direct switch. 6 audio and 6 video inputs; MM phono input; 6 S-video inputs and 6 S-video outputs; line-level outputs for each channel; outputs for 2 speaker pairs; outputs for 2 center-channel speakers; subwoofer output. 4 DSP presence modes; 10 DSP ambience presets; normal, wide, and phantom center-channel surround modes; auto input balance for Dolby Pro Logic mode; 5 system presets with alphanumeric labeling; digital tone controls; center-channel tone control; S-video to composite-video dubbing; video rec-out selector; on-screen displays; programmable remote control. 80 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.08% THD or 90 x 2 (front left, right) + 45 x 2 (center) + 45 x 2 (rear) rms into 8 ohms from 20-20,000 Hz with 0.08% THD. FR 5-80,000 Hz ±3 dB; S/N 96 dB line. 17 3/8 x 6 1/2 x 16 3/4 in; 39 lb \$1,500

KA-V7500 246-W A/V Integrated Amplifier

6 channels with Dolby Pro Logic decoder. Features discrete amp circuitry; Dolby 3 Stereo mode; source-direct switch. 6 audio and 6 video inputs; MM phono inputs; 4 S-video inputs and 3 S-video outputs; outputs for 2 speaker pairs; outputs for 2 center-channel speakers; line-level outputs for each channel; subwoofer output. Normal, wide, and phantom center-channel surround modes; adjustable digital delay; A/B speaker switching; 5 system presets with alphanumeric labeling; S-video to composite-video dubbing; video rec-out selector; on-screen displays; programmable remote control. 70 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.08% THD or 70 x 2 (front left, right) + 35 x 2 (center) + 18 x 2 (rear) rms into 8 ohms from 20-20,000 Hz with 0.08% THD. FR 5-100,000 Hz +0, -3 dB; S/N 78 dB phono, 100 dB MC line. 17 3/8 x 6 1/2 x 16 3/4 in; 30 lb \$900

LINN

Intek 50-W/ch Integrated Amplifier

2 channels. MM and MC phono inputs; switched/unswitched speaker outputs; power-amp-driven headphone jack. Separate rec/play paths. 50 W x 2 into 8 ohms \$995

LUXMAN

LV-105U 80-W/ch Tube Integrated Amp

2 channels. Features hybrid solid-state/tube design; J-FET's; twin-triode vacuum tubes; high-current MOSFET output devices; Duo-Beta dual feedback loop; star circuit topology. MM/MC phono inputs; signal-processor loop. CD-direct button; tape and video dubbing; rec-out selector. 80 W x 2 cont avg into 8 ohms. THD 0.25%; S/N 90 dB MM, 70 dB MC, 96 dB line. 17 1/4 x 5 1/4 x 13 1/8 in; 25 lb \$1,000

MAGTONE

KT-1500T 30-W/ch Karaoke Integrated Amplifier

2 channels. 3 mic inputs; 1 audio and 2 video inputs; 2 outputs. 2-wire remote for mic control; digital echo, time, and repeat; input-select switch; MPX switch; auto vocal eliminator; volume, master-mic volume, and separate mic-level controls; tone controls. 30 W x 2. 16 1/2 x 2 1/2 x 12 in; 10 lb \$399

KA-908XD 50-W/ch Karaoke Integrated Amplifier

2 channels. 2 mic inputs; 1 audio and 3 audio inputs. Features balance for MPX music/vocals; mono/stereo switch; auto vocal eliminator; LED VU display; AC 110/220 V switchable; output tone, mic tone, 2 mic-level, master volume, delay-time, echo-time/mic defeat controls. 50 W x 2 into 8 ohms. 17 x 3 x 10 in; 10 lb \$244

MARANTZ

PM-700AV 200-W A/V Integrated Amplifier

5 channels with Dolby Pro Logic decoder. 4 audio inputs; front-panel A/V input; 4 A/V inputs including 2 S-video; composite and S-video outputs; RC-5 interface for remote-control compatibility with other Marantz components. Dolby test-tone generator; switchable bass boost; preprogrammable remote control. 50 W x 2 from 20-20,000 Hz (front left, right) + 50 x 1 at 1,000 Hz (center) + 25 x 2 rms at 1,000 Hz (rear), all rms into 8 ohms. S/N 76 dB phono, 85 dB line. Gold finish with matching side panels. 17 7/8 x 6 x 13 3/8 in; 29 lb \$699

PM-80 100-W/ch Integrated Amplifier

2 channels. Features 2 discrete amp sections; selectable Class A/AB mode; high-current discrete output transistors; low-imp-drive power supply; source-direct switch. 9 inputs including MM/MC phono; 3 tape-monitor loops; signal-processor loop; banana-plug outputs for 2 speaker pairs; gold-plated inputs. Rec-out selector, mono switch; tone and balance controls. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.03% THD or 160 x 2 rms into 4 ohms (Class AB). 25 W x 2 into 8 ohms from 20-20,000 Hz with 0.03% THD or 360 W x 2 into 2 ohms (Class A). Damping factor 200 into 8 ohms; slew rate 45 V/μs; S/N 75 dB MC, 85 dB MM, 107 dB line; peak current 150 amperes. Gold finish with die-cast alloy side panels. 17 7/8 x 6 1/2 x 15 in; 37 lb \$699

PM-72 100-W/ch Integrated Amplifier

2 channels. Features high-current discrete output transistors; low-imp-drive power supply; relay-controlled speaker selection; source-direct switch. 7



Harman Kardon HK6950R

I N T E G R A T E D A M P L I F I E R S

gold-plated audio inputs including 2 tape-monitor loops and MM MC phono; banana-plug outputs for 2 speaker pairs. Rec-out selector; tone and balance controls; mono switch. 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.03% THD, 140 x 2 rms into 4 ohms, or 250 x 2 into 2 ohms. Damping factor 190 into 8 ohms; slew rate 40 V/μs; S/N 72 dB MC, 86 dB MM, 102 dB line; peak current 110 amperes. Gold finish with die-cast alloy side panels. 17 7/8 x 6 1/2 x 15 in; 24 lb \$599

PM-52 70-W/ch Integrated Amplifier

2 channels. Features high-current discrete output transistors; low-imp-drive power supply; relay-controlled speaker selection; source-direct switch. 7 gold-plated inputs including MM MC phono and 2 tape-monitor loops; banana-plug speaker outputs. Mono switch; tone and balance controls. 70 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.03% THD, 100 x 2 rms into 4 ohms, or 235 x 2 into 2 ohms. Damping factor 190 into 8 ohms; slew rate 40 V/μs; S/N 75 dBA MC, 85 dBA MM, 105 dBA line; peak current 100 amperes. Gold finish with die-cast alloy side panels. 17 7/8 x 5 7/8 x 15 in; 31 lb \$399

McINTOSH

C-40 20-W/ch Integrated Amplifier

2 channels. Anti-clipping circuitry; logic-driven electromagnetic switching; 5-band EQ; dynamic-range compressor/expander. Balanced input and output; 2 processor loops; AC switched outputs. Separate listen and rec; variable loudness control; monitor amp switchable between listen/rec circuits and inputs; 7-position mode selector; mute switch. 20 W x 2 cont avg into 8 ohms. FR 20-20,000 Hz +0, -0.5 dB; THD 0.001%; S/N 100 dBA. 17 1/2 x 5 3/8 x 15 1/2 in; 23 lb \$2,795

MISSION

Cyrus II 60-W/ch Integrated Amplifier

2 channels. Features high peak-current delivery; nonmagnetic, polypropylene and polystyrene capacitors. 6 inputs including MM, MC; headphone jack. Separate rec-out for all inputs; balance control for all inputs. 60 W x 2 into 8 ohms. FR 20-20,000 Hz; THD 0.003% at 1,000 Hz; S/N 83 dB; slew rate 10 V/μs; damping factor 100. 8 1/2 x 3 x 13 1/2 in. 16 lb ... \$999

Cyrus I 30-W/ch Integrated Amplifier

2 channels. Magnesium-die-cast chassis and heat sink; aluminum die-cast front and cover; metal-film resistors and capacitors. 6 inputs including MM, MC. Separate rec-out control for all inputs; balance control for all inputs. 30 W x 2 into 8 ohms \$649

MITSUBISHI

HTS-100 200-W A/V Integrated Amplifier

6 channels with Dolby Pro Logic decoder. Center-channel, surround-channel, and subwoofer outputs. TV off/on sensing; balance, center level, and surround-level controls; calibration tone; programmable remote control. 50 W x 2 (front) + 25 x 2 (center) + 25 x 2 (rear) rms into 8 ohms with 1% THD \$599

NAD

The following feature Power Envelope circuitry to increase dynamic headroom and Soft-Clipping circuitry to prevent speaker-damaging distortion.

Model 3240PE 40-W/ch Integrated Amplifier

2 channels. Features high-current design; defeatable infrasonic filter. Gold-plated phono inputs; pre-out/main-in loop; 5-way binding posts. Bass EQ; speaker imp selector. 40 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. S/N 76 dBA MC, 88 dBA line; damping factor 50 at 50 Hz; dynamic headroom 6 dB. 16 1/2 x 4 1/4 x 15 in; 14 lb \$399

Model 3225PE 25-W/ch Integrated Amplifier

2 channels. Features infrasonic filter; discrete 4-transistor phono preamp. Gold-plated phono inputs;

pre-out/main-in loop; 5-way binding posts. Speaker imp selector. 25 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. S/N 75 dBA MC, 85 dBA line; damping factor 50 at 50 Hz; dynamic headroom 4 dB. 16 1/2 x 3 3/8 x 10 1/8 in; 12 lb \$249

NAIM

NAIT 2 18-W/ch Integrated Amplifier

2 channels. MM phono input; 3 line inputs. Tape monitor/mute function; defeatable amp section. Input sens 2.5 mV at 47 kilohms phono, 75 mV at 47 kilohms line; tape output level and imp 75 mV at 1,000 ohms. 10 3/4 x 3 x 8 in \$995

NIKKO

NA 150 100-W/ch Integrated Amplifier

2 channels. Features Class AB output operation; subsonic filter. 6 inputs including MM, CD-direct input; dual line selector buttons; A/B speaker switch; loudness/stone controls; remote control. 100 W x 2 cont avg into 8 ohms or 144 x 2 cont avg into 4 ohms with 0.05% THD. Slew rate 5 V/μs; sens 170 mV line, 2.5 mV MM; FR 5-41,000 Hz; dynamic headroom 2 dB; input imp 47 kilohms; S/N 81 dBA MM \$209

NA 60 50-W/ch Integrated Amplifier

2 channels. Features Class AB output operation; subsonic filter. 5 inputs; headphone jack. Loudness control; power level indicators. 50 W x 2 into 8 ohms rms \$119

signal paths; dual-shielded block construction with 2-panel chassis base; motor-driven volume control and input selector. 5-way binding posts. Remote control. 105 W x 2 rms into 8 ohms or 303 x 2 max into 2 ohms \$650

Integra A-807. As above. 80 W x 2 rms into 8 ohms or 210 x 2 max into 2 ohms \$530

A-RV401 100-W/ch Integrated Amplifier

2 channels. Features low-imp-drive design; discrete outputs; motor-driven volume control. 7 audio and 2 video inputs. Video dubbing; 4-way speaker selector; source-direct switch; FL display; loudness control; simulated-stereo mode; mute switch; Onkyo RI-system compatibility; remote control. 100 W x 2 rms into 8 ohms or 190 x 2 max into 4 ohms \$400

A-803 60-W/ch Integrated Amplifier

2 channels. Features low-imp drive design; discrete output stage; multiroom capability. 7 audio inputs including MM MC; 5-way binding posts. Source-direct switch; 4-way speaker selector; Onkyo RI-system compatibility; remote control. 60 W x 2 rms into 8 ohms or 135 x 2 max into 2 ohms \$350

PHILIPS

FA-950 100-W/ch Integrated Amplifier

2 channels. Features bus system for integration with 900 series components. 7 inputs including MC and MM phono; digital inputs/outputs. Remote control. 100 W x 2 into 8 ohms or 140 x 2 into 4 ohms \$480



McIntosh C-40

ONKYO

Grand Integra A-G10 130-W/ch Integrated Amp

2 channels. Features dual 18-bit linear D/A converters; 8x-oversampling digital filter; oversized power-supply for low-imp loads; dual-mono design; high-speed switching power supply. Fiber-optic and coaxial digital inputs. Source-direct mode; phase-reverse switch; remote control. Wood side panels. 130 W x 2 cont avg into 8 ohms or 420 x 2 into 2 ohms \$3,000

Integra A-SV810PRO 325-W A/V Integrated Amp

5 channels with Dolby Pro Logic decoder and digital signal processing. Features low-impedance-drive design; dual power transformers; 8-mode digital sound-field processor; motor-driven volume control. 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. 10 sound-field presets; adjustable digital delay; on-screen displays, programmable cursor key; fluorescent display; record-out selector; mute switch; Onkyo RI-system remote-control compatibility; remote control. 85 W x 3 (front, center) + 35 x 2 (rear) into 8 ohms or 180 x 2 max into 3 ohms \$1,100

Integra A-809 105-W/ch Integrated Amplifier

2 channels. Features low-imp-drive design; discrete outputs, power supplies, and transformers; direct

PIONEER

VSA-7500 254-W A/V Integrated Amplifier

5 channels with Dolby Pro Logic decoder and digital signal processing. Features 6 audio and 6 video inputs; S-video connectors; front-panel A/V input including S-video input; line-level output for each channel; 2 center-channel speaker outputs; subwoofer output. Simulated-surround, disco, church, hall, jazz, and theater ambience presets; Dolby 3 Stereo mode; variable bass synthesizer; source-direct switch; video source selector; video record selector; on-screen displays; last-function memory; programmable remote control. 75 W x 2 continuous avg into 8 ohms from 20-20,000 Hz with 0.008% total harmonic distortion or 70 x 3 (front, center) + 22 x 2 (rear) into 8 ohms at 1,000 Hz with 0.3% total harmonic distortion; 140 x 2 into 4 ohms. Signal-to-noise ratio 72 dB phono, 96 dB line. Dimensions: 16 3/8 x 6 3/8 x 16 7/8 in; 30 lb \$1,125

A-301 40-W/ch Integrated Amplifier

2 channels. Features direct signal paths. 6 inputs including phono. Rec-out selector; source-direct switch; A/B speaker switching. 40 W x 2 continuous average into 8 ohms from 20-20,000 Hz with 0.01% total harmonic distortion, 50 x 2 into 4 ohms from 20-20,000 Hz with 0.02% THD, or 100 x 2 into 2 ohms. Signal-to-noise ratio 89 dB phono, 108 dB line. 16 3/8 x 5 x 13 3/4 in; 15 lb \$375

I N T E G R A T E D A M P L I F I E R S

Elite Series

A-71 120-W/ch Integrated Amplifier

2 channels. Features direct signal paths; isolation of transformer and heat sink from chassis. 7 inputs including MM/MC phono input; headphone jack. Switchable phono subsonic filter; rec-out selector; tone and balance controls; source-direct switch; A/B speaker switching. 120 W x 2 into 8 ohms from 20-20,000 Hz with 0.003% THD. S/N 95 dB MC, 77 dB MM, 110 dB line. 18 x 6 $\frac{7}{8}$ x 18 $\frac{5}{8}$ in; 60 lb. \$1,100

A-51 100-W/ch Integrated Amplifier

2 channels. Direct signal paths. 8 inputs including gold-plated phono and CD inputs. Muting; loudness contour; rec-out selector; source-direct switch; A/B speaker switching. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.007% THD. S/N 94 dB MC, 76 dB MM, 110 dB line. 16 $\frac{5}{8}$ x 6 $\frac{3}{8}$ x 17 $\frac{1}{8}$ in; 42 lb. \$850

PROTON

AM-656 60-W/ch Integrated Amplifier

2 channels. Features Apex Aural Exciter to enhance vocal clarity; motor-driven volume control. Line-level output; headphone jack. Tone defeat; mono/stereo switch; loudness switch. Compatible with AH-681 remote control. 60 W x 2 into 8 ohms. FR 20-20,000 Hz \pm 0.3 dB; THD 0.02%; damping factor 150; dynamic headroom 6 dB; crosstalk 75 dB at 1,000 Hz; S/N 95 dBA line. 18 $\frac{1}{2}$ x 3 $\frac{3}{8}$ x 15 $\frac{3}{8}$ in; 29 lb. \$700

AM-455 50-W/ch Integrated Amplifier

2 channels. Loudness, mono, and A/B speaker switches. Line-level output. 50 W x 2 into 8 ohms. Dynamic headroom 2 dB. \$250

QED

A270 50-W/ch Integrated Amplifier

2 channels. Biwiring capability; MM/MC phono inputs. 50 W x 2 into 8 ohms or 85 x 2 into 4 ohms. THD 0.1% from 20-20,000 Hz. 16 lb. \$1,000

A240SAII 40-W/ch Integrated Amplifier

2 channels. Class AB output. MC/MM inputs. 40 W x 2 into 8 ohms or 65 x 2 into 4 ohms, all from 20-20,000 Hz with 0.1% THD. 12 lb. \$700

A240CDII. As above, no MC input. 12 lb. \$525

ROTEL

RA980BX 100-W/ch Integrated Amplifier

2 channels. Features electrolytic filter capacitors. 7 inputs including MC and MM; headphone jack. Tone controls; mono switch. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. Damping factor 1,500; S/N 70 dB MC, 80 dB MM, 100 dB line. 17 $\frac{3}{8}$ x 4 $\frac{7}{8}$ x 13 $\frac{3}{8}$ in; 24 lb. \$700

RA960BX. As above, without mono switch. 60 W x 2 cont avg into 8 ohms from 20-20,000 with 0.03% THD. Damping factor 100. 17 $\frac{3}{8}$ x 3 $\frac{3}{8}$ x 12 $\frac{7}{8}$ in. \$500

SANSUI

AU-X911DG 100-W/ch Integrated Amplifier

2 channels. Features 1-bit D/A converter; discrete LR amplifiers; separate digital and analog transformers; subsonic filter. 5 gold-plated analog inputs; 4 gold-plated digital inputs. Digital-direct and source-direct operation; rec-out selector; loudness switch; A/B speaker switching. 100 W x 2 cont avg into 8 ohms from 10-20,000 Hz with 0.005% THD. 17 x 6 $\frac{1}{2}$ x 17 $\frac{3}{8}$ in; 40 lb. \$1,250

AV-7000 280-W A/V Integrated Amplifier

5 channels with Dolby Pro Logic decoder and DSP. Features separate audio and video power supplies; digital-direct operation; auto input-level balance. Front, rear, and center line-level outputs; tape-monitor loop; 5 audio and 4 video inputs; front-panel video input; video-processor loop. 8 surround/osp modes, 6 with variable digital delay; surround memory settings for rear and center-channel volume, tone, and

digital delay; AV dubbing; bass, midrange, and treble controls; front-speaker defeat switch; remote control. 70 W x 3 rms (front, center) + 35 x 2 (rear), all into 8 ohms from 20-20,000 Hz with 0.02% THD. S/N 110 dBA. 17 x 6 $\frac{3}{8}$ x 17 $\frac{1}{4}$ in; 31.9 lb. \$1,000

AU-X517R 65-W/ch Integrated Amplifier

2 channels. Servo-driven source-selector; subsonic filter. 4 speaker outputs. 4-mode loudness bass-boost control; source-direct switch; rec-out selector; remote control. 65 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.015% THD. S/N 70 dB MC, 88 dB MM, 105 dB line. 17 x 5 $\frac{3}{8}$ x 13 in; 20 lb. \$579

AU-X417R. As above, without bass boost. One-mode loudness. Features motor-driven volume control; muting. 55 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD. S/N 65 dB MC, 80 dB MM. \$365

AU-X117 30-W/ch Integrated Amplifier

2 channels. 4 speaker outputs; gold-plated headphone jack. CD-direct switch. 30 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.03% THD. S/N 78 dB phono, 105 dB line. 17 x 5 x 11 $\frac{1}{4}$ in; 11 lb. \$199

SONY

ES Series

TA-AV670 270-W A/V Integrated Amplifier

4 channels with Dolby Pro Logic decoder and DSP. Features discrete output transistors; separate power transformers for audio and control sections; motor-driven volume control. 5 audio inputs including phono; 2 tape-monitor loops; 7 AV inputs including 3 S-video inputs and 5 VCR-monitor loops; gold-plated inputs; speaker binding posts. 5 sound-field presets; source-direct switch; AV dubbing; AV rec-out selector; separate front, center, and rear tone controls; programmable remote control. 70 W x 3 (front, center) + 60 x 1 (rear) into 8 ohms from 20-20,000 Hz with 0.08% THD. Dynamic headroom 2.5 dB; damping factor 50 into 8 ohms at 1,000 Hz; FR 20-20,000 Hz \pm 0.5 dB phono, 10-100,000 Hz +0, -3 dB line; S/N 92 dB. 18 $\frac{1}{2}$ x 6 $\frac{1}{2}$ x 17 in; 37 lb. \$1,000

SUPERIOR AUDIO

JX-17 30-W/ch Integrated Amplifier

4 channels. Designed for pocket stereos. Toroidal transformer. 1 mini-jack, 1 MM/aux, and 4 line gold-plated inputs; 4 line-level outputs; headphone jack. Active crossover adjustable from 72-250 Hz; rotary source and rec-out switches; LR LED level meters with range switch and brightness controls; mono/stereo, low/high-cut filter, and loudness switches; volume, balance, and tone controls; built-in battery charger. 30 W x 2, 15 x 4, or 15 x 2 + 30 x 1, all into 8 ohms from 20-25,000 Hz with 0.003% THD. Dynamic headroom 1.25 dB; S/N 82 dB. Black anodized aluminum finish. 3-yr warranty. 7 x 3 x 6 in; 8 lb. \$500

JX-16 15-W/ch Integrated Amplifier

2 channels. Designed for pocket stereos. 1 mini-jack, 1 MM/aux, and 3 line-level gold-plated inputs; headphone jack. Features toroidal transformer. Built-in battery charger; rotary source and rec-out switches; LR LED level meters with range switch and brightness controls; mono/stereo, low/high-cut filter, and loudness switches; volume, balance, and tone controls. 15 W x 2 into 8 ohms from 20-25,000 Hz with 0.003% THD. Dynamic headroom 1.25 dB; S/N 82 dB. Black anodized aluminum finish. 3-yr warranty. 7 x 1 $\frac{3}{4}$ x 6 in; 5 lb. \$349

TEAC

A-X5000 75-W/ch Integrated Amplifier

2 channels. MM/MC phono input; 6 line inputs; outputs for 2 speaker pairs. Source-direct switch; independent input and record selectors; -20 dB mute button; switchable subsonic filter; loudness switch; tone and balance controls; dual speaker terminals. 75 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.009% THD. S/N 80 dB phono, 101 dB line; sens 0.25 mV/100,000 ohms MC. 17 $\frac{3}{8}$ x 6 $\frac{1}{4}$ x 14 $\frac{1}{8}$ in; 23 lb. \$450

A-X3000 60-W/ch Integrated Amplifier

2 channels. Phono input; 5 line inputs; mic input with level control; outputs for 2 speaker pairs. Source-direct switch; independent input and rec selectors; -20 dB mute button; subsonic filter; loudness switch; tone and balance controls. 60 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.02% THD. Signal-to-noise ratio 78 dB phono, 101 dB line. Dimensions: 17 $\frac{3}{8}$ x 5 x 14 $\frac{1}{8}$ in; 20 lb. \$380

A-X1000 40-W/ch Integrated Amplifier

2 channels. Phono input; 5 line-level inputs; mic input with level control; outputs for 2 speaker pairs. Source-direct switch; independent input and record selectors; loudness switch; tone and balance controls. 40 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.02% THD. S/N 78 dB phono, 101 dB line. 17 $\frac{3}{8}$ x 5 x 14 $\frac{1}{8}$ in; 17 lb. \$290

TECHNICS

SU-V660 90-W/ch Integrated Amplifier

2 channels. Features Class AA circuitry; heavy-duty power supply. Switchable MC/MM phono inputs; pre-out/main-in loop; A/B speaker terminals. Defeatable tone and loudness controls. 90 W x 2 cont avg into 8 ohms with 0.007% THD. FR 30-15,000 Hz \pm 0.8 dB phono, 20-20,000 Hz +0, -0.2 dB line; S/N 72 dB MC, 76 dB MM, 80 dB line; damping factor 80. \$399

SU-V450 50-W/ch Integrated Amplifier

2 channels. Features Class AA circuitry; heavy-duty power supply. Pre-out/main-in loop; A/B speaker terminals. Defeatable tone and loudness controls. 50 W x 2 cont avg into 8 ohms with 0.007% THD. FR 30-15,000 Hz \pm 0.8 dB phono, 20-20,000 Hz +0, -0.2 dB line; S/N 76 dB MM, 81 dB line; damping factor 60. \$300

YAMAHA

DSP-A1000 340-W A/V Integrated Amplifier

7 channels with Dolby Pro Logic decoder and DSP. Features auto input balance; tv-theater and concert-video modes; 35-mm and 70-mm theater modes; pre-out/main-in loop; motor-driven input selector with LED. 10 audio and 5 video inputs with S-video terminal; subwoofer output with low-pass filter; 2 switchable center-channel outputs; front-panel S-video A/V input. 23 DSP modes; 5-band center-channel EQ; digital test-tone generator for digital signal processing and Dolby Pro Logic; programmable remote control. 80 W x 3 into 8 ohms from 20-20,000 Hz with 0.015% THD (front, center) + 25 x 4 with 0.05% total harmonic distortion (side, rear). \$1,499

DSP-E1000 180-W A/V Integrated Amplifier

5 channels with Dolby Pro Logic decoder and DSP. Features auto input balance; tv-theater and concert video modes; 35-mm and 70-mm theater modes; motor-driven volume control. Tape-monitor loop; video inputs and outputs with S-video terminals; subwoofer output with 200-Hz low-pass filter; line-level outputs for all channels; 5-way binding posts. 23 DSP modes; 5-band center-channel EQ; normal, wide, and phantom center-channel surround modes; front, rear, and center-channel level controls; front and rear channels bass boost; on-screen superimpose; digital test-tone generator for digital signal processing and Dolby Pro Logic; audio muting; remote control. 25 W x 4 rms into 8 ohms with 0.05% THD (front, rear) + 80 x 1 with 0.015% total harmonic distortion (center). 17 $\frac{1}{8}$ x 5 $\frac{1}{4}$ x 15 $\frac{1}{4}$ in. \$999

AX-550 85-W Integrated Amplifier

2 channels. Motor-driven input selector. Switchable MC/MM phono input; pre-out/main-in loop; 5-way binding posts. Continuously variable loudness control; defeatable tone and balance controls; switchable subsonic filter with 18 dB/oct slope; rec-out selector; RS-system-compatible remote control. 85 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.015% THD. S/N 110 dB. 27 lb. \$449

AX-450. As above, without motor-driven input selector. 65 W x 2 into 8 ohms. 24 lb. \$349

POWER AMPLIFIERS

ACOUSTIC RESEARCH

Limited S250 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms. Features xLR and RCA connectors. 50 lb \$2,900
Limited S100. As above, 100 W x 2 \$1,800

ACURUS

A250 250-W/ch Amplifier

2 channels. Features Class A circuitry; bipolar-transistor output stage; glass epoxy circuit board. 250 W x 2 into 8 ohms or 350 x 2 into 4 ohms \$895
A100. As above, 100 W x 2. 17 x 3 1/2 x 8 in. \$595

ADCOM

GFA-585 250-W Mono Amplifier

1 channel. Features 20 discrete transistors in output stage. 250 W x 1 into 8 ohms or 400 x 1 into 4 ohms. THD 0.002%; FR 20-20,000 Hz; damping factor 600. Black \$1,200
GFA-585W. As above, white \$1,250
RM-8. Rack-mount adaptors \$30/pr
RM-8W. As RM-8, white \$35/pr

GFA-565 300-W Mono Amplifier

1 channel. Features 20 discrete transistors in output stage. 300 W x 1 into 8 ohms, 450 x 1 into 4 ohms, or 850 x 1 into 2 ohms. S/N 106 dBA; dynamic headroom 1.6 dB into 4 ohms; input imp 50-700 ohms; input sens 2.15 V; damping factor 1,000 into 8 ohms. Black. 17 x 8 1/4 x 11 1/2 in; 45 lb \$900
GFA-565W. As above, white \$950

GFA-555II 200-W/ch Amplifier

2 channels. Features 1-ohm stability; low-negative-feedback design; constant damping factor; toroidal transformer; direct-coupled circuitry. 200 W x 2 into 8 ohms or 350 x 2 into 4 ohms. THD 0.04%; damping factor 800; FR 20-20,000 Hz \$850
GFA-555W. As above, white \$900
RM-7. Rack-mount adaptors \$20/pr
RM-7W. As RM-7, white \$25/pr

GFA-545II 100-W/ch Amplifier

2 channels. Features 1-ohm stability; low-negative-feedback design; constant damping factor; toroidal transformer; direct-coupled circuitry. 100 W x 2 into 8 ohms or 150 x 2 into 4 ohms. THD 0.04%. 17 x 5 1/2 x 12 1/2 in; 25 lb \$550
GFA-545W. As above, white \$600
RM-5. Rack-mount adaptors \$20/pr
RM-5W. As RM-5, white \$25/pr

GFA-535II 60-W/ch Amplifier

2 channels. Features 1-ohm stability; low-negative-feedback design; constant damping factor; direct-coupled design; separate power transformers for each channel. 2 sets of speaker outputs. 60 W x 2 into 8 ohms or 100 x 2 into 4 ohms. THD 0.04%. 17 x 3 1/4 x 12 1/2 in \$350
GFA-535W. As above, white \$400
GFA-535L. As above, with flush-mounted gain controls for each channel \$370
RM-3. Rack-mount adaptors \$20/pr
RM-3W. As RM-3, white \$25/pr

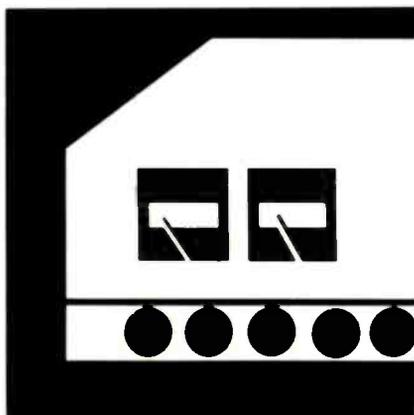
AIR TIGHT

ATM-3 100-W Mono Tube Amplifier

1 channel. Features 6CA7/EL34 tubes with triple push-pull configuration. Ultra linear/triode mode selector; bias meter; independent bias control system. 100 W x 1. FR 20-20,000 Hz \pm 1 dB; THD 0.08% at 1,000 Hz; S/N 100 dB \$9,500

ATM-2 80-W/ch Tube Amplifier

2 channels. Features OFC wiring; cathode-follower direct-drive design; copper-plated chassis and bottom plate; four KT-88, two 12AX7A, two 12AU7A, and two 12BH7A tubes in output stages. CD-direct input. Bias adjustor. 80 W x 2 into 8 ohms. FR 20-20,000 Hz \pm 1 dB; THD 0.07% at 1,000 Hz; S/N 100 dB. 16 1/8 x 8 1/8 x 15 1/4 in; 70.7 lb \$5,950



ATM-1 36-W/ch Tube Amplifier

2 channels. Features four 6CA7 tubes in output stage; parallel-position 5A4R rectifier tubes; OFC wiring; Mullard phase inversion. CD-direct input. 36 W x 2 into 8 ohms. FR 20-20,000 Hz \pm 1 dB; THD 0.1% at 1,000 Hz; S/N 100 dB. 14 3/4 x 9 1/4 x 11 1/4 in; 48.6 lb \$3,450

AMC

Model 2445 180-W Amplifier

4 channels. 45 W x 4 into 4 ohms or 100 x 2 into 8 ohms. FR 20-20,000 Hz \pm 0.2 dB; THD 0.04%; S/N 100 dBA at 1 W; input imp 20 kilohms; damping factor 100 \$400

AMERICAN HYBRID TECHNOLOGY

AHT/300 300-W Mono Amplifier

1 channel. All-tube design using solid-state regulated power supplies for driver stage, output stage, bias stage, and driver filament regulation; separately regulated negative and positive power tube filaments; silver porcelain tube sockets; Vishay and Caddock resistors; Teflon capacitors; WBT connectors. 300 W x 1 into 8 or 4 ohms. FR 10-100,000 Hz; input imp 50 kilohms. Custom order only \$30,000/pr

ARAGON BY MONDIAL DESIGNS

Palladium Mono 100-W/ch Amplifier

1 channel. Class A DC coupled circuitry; dual-differential balanced design; matched output transistors. 100 W x 1 into 8 ohms, 600 x 1 into 4 ohms, or 800 x 1 into 2 ohms. 19 x 6 1/2 x 14 in; 65 lb \$2,000

Model 4004 MkII 200-W/ch Amplifier

2 channels. Features dual-mono design; 2 power supplies; 2 toroidal transformers; quad-array transistor; gold-plated connectors; Monster Cable output wiring. 200 W x 2 into 8 ohms, 400 x 2 into 4 ohms, or 700 x 2 into 2 ohms. S/N 120 dB; damping factor 200. 19 x 6 1/2 x 14 in; 65 lb \$1,850
Model 2004. As above, 100 W x 2 into 8 ohms, 200 x 2 into 4 ohms, or 350 x 2 into 2 ohms. 44 lb \$1,395

ARCAM

Delta 120 100-W/ch Amplifier

2 channels. Dual-mono configuration. Separate power supplies and toroidal transformers; bridgeable. 100 W x 2 into 8 ohms or 150 x 2 into 4 ohms. Peak output current \pm 25 amperes \$1,100

AUDIO BY VAN ALSTINE

FET-Valve 500 250-W/ch Tube Amplifier

Features hybrid vacuum tube and Class A MOSFET trans-imp circuitry. 250 W x 2 into 8 ohms. THD 0.01%. 17 x 7 1/2 x 14 1/2 in; 38 lb \$1,995

Omega II 400 200-W/ch Amplifier

Active feedback design. 200 W x 2 into 8 ohms. Slew

rate 500 V/ μ s; noise 2 mV; THD 0.05%. 17 x 7 1/2 x 14 1/2 in; 45 lb \$1,295

Delta 120 60-W/ch Amplifier

Complementary MOSFET circuits. 60 W x 2 into 8 ohms. THD 0.03% \$445

Super 70i 35-W/ch Tube Amp Kit

Do-it-yourself kit for original Dynaco St-70 power amplifier chassis. Motherboard with B+ supply, bias supply, and A.V.A. audio circuits; uses 6GH8A driver tubes \$200

AUDIO DESIGN ASSOCIATES

MPA-500 2,000-W Amplifier

Designed for THX home-theater applications. Features power supply in separate chassis; fan cooling. 400 W x 5. 5 1/4 x 19 x 16 1/2 in (each chassis) \$5,900

BPA-500 500-W Mono Amplifier

1 channel. Designed for subwoofers. 500 W x 1. 5 1/4 x 19 x 16 1/2 in \$1,995

MPA-6 700-W Amplifier

6 channels. Designed for home-theater applications. Variable 20-200 Hz subwoofer crossover. Subwoofer output with level control; 5-way binding posts. Variable input sens and LED power indicators for each channel. 90 W x 5 + 250 x 1 (subwoofer). 5 1/4 x 19 x 16 1/2 in; 32 lb \$1,595

MPA-5 575-W Amplifier

5 channels. Designed for home-theater applications. 5-way binding posts. Variable input sens and LED power indicator for each channel. 115 W x 5. 5 1/4 x 19 x 16 1/2 in; 32 lb \$1,545

PBA-150 200-W Mono Amplifier

1 channel. Designed for subwoofers. Features toroidal power transformer; fan cooling. Front-panel fuse; 20-segment LED power meter; continuously variable level, frequency, and bandwidth controls. 200 W x 1 cont avg into 8 ohms from 20-200 Hz with 0.06% THD or 325 x 1 into 4 ohms. S/N 101 dB; slew rate 10 V/ μ s. 19 x 5 1/4 x 16 1/2 in; 32 lb \$1,495

PF-250 100-W/ch Amplifier

2 channels. Features MOSFET circuitry; 2-ohm stability; toroidal transformer; fan cooling. 20-segment LED power meter. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.07% THD. 160 x 2 into 4 ohms, or 240 x 2 into 2 ohms. S/N 95 dB; slew rate 15 V/ μ s. 19 x 5 1/4 x 16 1/2 in; 37 lb \$1,495

PF-200 50-W/ch Amplifier

2 channels. Features MOSFET circuitry; 1/2-ohm load capability; toroidal transformer; fan cooling. Front-panel fuse; 4-segment LED output meters. 60 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.07% THD, 110 x 2 into 4 ohms, or 240 x 2 into 1/2 ohm. S/N 95 dB; slew rate 10 V/ μ s \$1,295

PBA-50 50-W Mono Amplifier

1 channel. Designed for subwoofers. Features toroidal power transformer; fan cooling. Continuously variable level, frequency, and bandwidth controls; 10-segment LED power meter. 50 W x 1 into 8 ohms from 20-20,000 Hz with 0.02 THD or 80 x 1 into 4 ohms. S/N 104 dB; slew rate 10 V/ μ s \$995

PT-100 50-W/ch Amplifier

2 channels. Features toroidal power transformer; 2-ohm load capability; fan cooling. 10-segment LED power meters; rear-panel power fuse; gain control. 25 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.02% THD or 40 x 2 into 4 ohms. S/N 104 dB. 19 x 1 3/4 x 13 in; 10 lb \$950

AUDIO INNOVATIONS

Triode Audio Amplifiers

The following feature Class A operation, hand-wired silver circuits, zero feedback, and direct-heated triodes.

Third Audio 30-W Mono Tube Amplifier

1 channel. Features paper-in-oil capacitors; non-magnetic resistors; 845 triodes. 30 W x 2 cont avg into 2, 4, or 8 ohms. FR 20-35,000 Hz; THD 0.2%; sens 75 mV; input imp 220 kilohms. 40 lb. \$14,995/pr
Second Audio. As above, 2A3 triodes. 15 W x 1 cont avg into 2, 4, or 8 ohms. THD 0.25% . . . \$6,695/pr

First Audio 7.5-W/ch Tube Amplifier

2 channels. Features paper-in-oil capacitors; non-magnetic resistors; 2A3 triodes. 7.5 W x 2 cont avg into 4, 8, or 16 ohms. FR 20-30,000 Hz; THD 0.8%; sens 75 mV; input imp 220 kilohms. 38 lb. \$3,395

Pentode Class A Amplifiers

The following feature Class A operation, minimal feedback, and self-biasing circuitry.

Series 1000/III 50-W Mono Tube Amplifier

1 channel. 50 W x 1 cont avg into 8 ohms. THD 0.1%; sens 250 mV; input imp 220 kilohms. 35 lb \$3,495/pr

Series 800/III 25-W/ch Tube Amplifier

2 channels. 25 W x 2 cont avg into 8 ohms. FR 20-25,000 Hz; THD 0.1%; sens 250 mV. 37.5 lb. \$2,395

AUDIOLAB

Model 8000M 125-W Mono Tube Amplifier

1 channel. Features toroidal transformer; electronic overload protection. 2 inputs and outputs. 125 W x 1 into 8 ohms or 200 x 1 into 4 ohms. FR 1-75,000 Hz; S/N 95 dB; THD 0.05%; input imp 50 kilohms . . . \$1,295

Model 8000P MkII 100-W/ch Amplifier

2 channels. Features differential FET input design; toroidal transformer with split secondaries; bipolar output stage; electronic overload protection and muting. 2 inputs and outputs. 100 W x 2 into 8 ohms or 175 x 2 into 4 ohms. FR 3-75,000 Hz; THD 0.05%; S/N 95 dB; input imp 50 kilohms . . . \$1,199

AUDIO NOTE

Gaku-On 50-W Mono Tube Amplifier

1 channel. Features Class A parallel push-pull triode operation; zero feedback; separate tube-regulated power supplies for each stage; hand-wound silver-wired output transformers; silver-wired circuits; Ceratone electrolytic capacitors; silver-foil capacitors; non-magnetic tantalum-film resistors; direct-heated 845-triode output stage; copper chassis. 50 W x 1 cont avg into 8 ohms. FR 10-40,000 Hz; slew rate 5 V/μs; input imp 250,000 ohms. 85 lb . . . \$160,000/pr

Kegon 17-W/ch Tube Amplifier

2 channels. Features Class A parallel single-ended triode operation; zero feedback; tube-regulated power supply; hand-wound silver-wired output transformers; silver-wired circuits; Ceratone electrolytic capacitors; silver-foil capacitors; nonmagnetic tantalum-film resistors; original Western Electric direct-heated 300B-triode output stage; copper chassis. 17 W x 2 cont avg into 8 ohms. FR 10-40,000 Hz; input imp 250 kilohms. 60 lb . . . \$83,750

Kassai. As above, with fewer silver refinements. Pure copper in output transformer's primary, pure silver in secondary. 55 lb. . . . \$33,750

Neiro 7.5-W/ch Tube Amplifier

2 channels. Features Class A triode operation; zero feedback; parallel single-ended, age-annealed OFHC copper-wired output transformers; silver hand wiring; paper-in-oil signal capacitors; tantalum-film resistors; direct-heated triode stage with 2A3 tubes; copper chassis. 7.5 W x 2 cont avg into 8 ohms. FR 10-40,000 Hz; slew rate 8 V/μs; input imp 100,000 ohms. 55 lb . . . \$12,500

Neiro/S. As above, silver capacitors . . . \$16,500

AUDIO RESEARCH

M300 MkII 300-W Mono Tube Amplifier

1 channel. Hybrid design with FET front end and vacuum-tube output stage; cross-coupled circuitry;

line and screen voltage fuses with LED indicators accessible from front panel; 2 low-noise cooling fans. Standby switch; auto muting; gold-plated inputs; output taps for 1, 2, 4, or 8 ohms; front and rear carrying handles. 300 W x 1 cont avg from 16-25,000 Hz into 8 ohms with 0.05% THD. Power at clipping 330 W. FR 10-60,000 Hz ±0, -3 dB; S/N 90 dB; slew rate 25 V/μs . . . \$5,495

Classic 150 140-W Mono Tube Amplifier

1 channel. Hybrid design with FET front end and vacuum-tube output stage. Features tube-protection circuit; cross-coupled circuitry. Standby switch; auto muting; balanced outputs. 140 W x 1 cont avg into 1, 2, 4, or 8 ohms. FR 7-100,000 Hz ±0, -3 dB. 19 x 10 1/2 x 16 1/2 in; 110 lb . . . \$4,995

D400 200-W/ch Amplifier

2 channels. Features Class AB circuitry; dual-mono design; 40 multiple-emitter transistors in direct-coupled output stage; two separate transformers. XLR connectors; RCA inputs; brass output connectors. 200 W x 2 into 8 ohms from 4-100,000 Hz. Input sens 1.91 V rms; input imp 150 kilohms normal, 300 kilohms balanced; slew rate 50 V/μs. 3-year warranty. 19 x 9 x 17 3/4 in; 73 lb . . . \$4,995

Classic 60 60-W/ch Tube Amplifier

2 channels. Hybrid design with FET front end and vacuum-tube output stage. Features auto DC-balance circuit; driver-balance servo circuit; auto bias correction for incoming line voltage. Low-noise fan; front-panel fuses. 60 W x 2 cont avg. FR 12-40,000 Hz ±0, -3 dB . . . \$3,495

Classic 120 115-W/ch Mono Tube Amplifier

1 channel. Hybrid design with FET front end and vacuum-tubes output stage. Auto DC-balance circuit; driver-balance servo circuit; auto-bias correction for incoming line voltage; cross-coupled circuitry. Balanced outputs. FR 10-80,000 Hz ±3 dB; S/N 92 dB . . . \$3,495

D240 120-W/ch Amplifier

2 channels. Direct-coupled output stage with 12 high-current multiple-emitter transistors per channel; low impedance capabilities; thermal-overload and DC current-sensing protection circuitry. RCA inputs; XLR connectors; gold-plated binding posts. 120 W x 2 into 8 ohms or 240 x 2 into 4 ohms. Input sens 1.6 V rms; negative feedback 7.7 dB; slew rate 50 V/μs. 19 x 5 1/4 x 11 1/2 in; 38 lb . . . \$2,995

Classic 30 30-W/ch Tube Amplifier

2 channels. Hybrid design with FET front end and vacuum-tube output stage. Features auto DC-balance circuit; auto-bias correction for incoming line voltage. 30 W x 2 cont avg. FR 15-50,000 Hz ±0, -3 dB. 19 x 7 x 14 1/2 in; 46 lb . . . \$2,495

AUDIOSOURCE

Amp One 60-W/ch Amplifier

2 channels. MOSFET circuitry; toroidal power transformer; soft-clipping output circuitry. Dual analog power-output meters; L/R output level controls. 60 W x 2 cont avg into 8 ohms or 170 x 1 max into 8 ohms. FR 20-20,000 Hz; THD 0.04% . . . \$300

AUDIRE

The following feature a 3-yr warranty.

Parlando 100-W/ch Amplifier

2 channels. Features dual-mono, Class A circuitry; 1-ohm stability. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.02% THD. Hum & noise -110 dB; IM 0.003%; slew rate 50 V/μs; damping factor 800 at 1,000 Hz. 19 x 8 3/4 x 18 1/2 in; 85 lb. . . . \$3,000

Otez 250-W/ch Amplifier

2 channels. Features dual-mono, Class A/AB circuitry; modular construction; large power supply; 1 fuse per 2 output transistors; amplifier protection by current sensing devices outside of signal-path. Combi-

nation circuit breaker/power switch. 250 W x 2 into 8 ohms from 20-20,000 Hz with 0.03% THD. Hum & noise -110 dB; IM 0.015%; slew rate 50 V/μs; damping factor 850 at 1,000 Hz. 19 x 8 3/4 x 18 1/2 in; 85 lb . . . \$2,900

Tenendo 200-W/ch Amplifier

2 channels. Features dual-mono, Class AB design; modular construction; large power supply; rail fuses; current sensing devices. Balanced XLR inputs. Combination circuit breaker/power switch for each channel. 200 W x 2 into 8 ohms. FR 2-100,000 Hz -1 dB; IM 0.01%; slew rate 50 V/μs; damping factor 700. 19 x 7 x 10 in; 50 lb . . . \$1,750

Noble II 200-W Mono Amplifier

1 channel. Features discrete, Class A design; toroidal transformer. 8 matched output devices. 200 W x 1 into 8 ohms from 20-20,000 Hz with 0.03% THD. Hum & noise -110 dB; IM 0.005%; slew rate 50 V/μs; damping factor 1,000 at 1,000 Hz. 16 x 4 x 11 1/2 in; 25 lb . . . \$1,100

Noble I. As above, 75 W x 1 with 0.02% THD. Damping factor 900 at 1,000 Hz . . . \$1,050

Forte 125-W/ch Amplifier

2 channels. Features dual-mono design; bipolar transistors. 125 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. Hum & noise -105 dB; IM 0.008%; slew rate 50 V/μs; damping factor 350 at 1,000 Hz. 19 x 5 1/4 x 10 in; 41 lb . . . \$1,050

MOSFET version . . . \$1,150

Crescendo 75-W/ch Amplifier

2 channels. Features bipolar transistors. 75 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. Hum & noise -100 dB; IM 0.01%; slew rate 45 V/μs; damping factor 300. 19 x 5 1/4 x 9 in; 22 lb . . . \$495

MOSFET version . . . \$535

B&K COMPONENTS

Video-5 Sonata 525-W Amplifier

5 channels. For surround or multiroom applications. Gold-plated input/output connectors. Level controls. 105 W x 5. FR 5-45,000 Hz ±3 dB; S/N 90 dB; dynamic headroom 0.9 dB; slew rate 20 V/μs; THD 0.09% at 1,000 Hz. 17 x 6 x 17 3/4 in; 40 lb . . . \$1,298

EX-442 Sonata 200-W/ch Amplifier

2 channels. Features dual-mono construction with DC-coupled circuitry. Gold-plated input/output connectors; balanced inputs. 200 W x 2 into 8 ohms or 400 x 2 into 4 ohms. FR 1-45,000 Hz; THD 0.09% at 1,000 Hz; S/N 95 dB; IM 0.09% slew rate 14 V/μs; dynamic headroom 1.2 dB. 17 x 5 1/4 x 17 in; 40 lb . . . \$998

M-200 Sonata 200-W Mono Amplifier

1 channel. Features Class-A predriver circuitry driving Class-AB MOSFET output stage; toroidal transformers. Balanced inputs. 200 W x 1 into 8 ohms or 400 x 1 into 4 ohms. FR 1-45,000 Hz; THD 0.09% at 1,000 Hz; S/N 95 dB; IM 0.09%; slew rate 14 V/μs; damping factor 750; dynamic headroom 1.4 dB. 17 x 5 1/4 x 17 in; 40 lb . . . \$948

VMR-6 360-W Amplifier

6 channels. For surround or multiroom applications. Gold-plated inputs/output connectors. Level controls. 60 W x 6. FR 5-45,000 Hz ±3 dB; S/N 94 dB; dynamic headroom 0.9 dB; 17 x 5 1/4 x 17 in; 27 lb . . . \$898

ST-202 Plus 200-W/ch Amplifier

2 channels. Balanced inputs. 200 W x 2 into 8 ohms. THD 0.09%; FR 5-45,000 Hz; S/N 95 dB; slew rate 14 V/μs; dynamic headroom 1.1 dB. 17 x 5 1/4 x 17 in; 32 lb . . . \$798

ST-202 150-W/ch Amplifier

2 channels. Features 4-ohm stability; gold-plated connectors. Balanced inputs. 150 W x 2 into 8 ohms or 200 x 2 into 4 ohms. THD 0.09%; S/N 95 dB; slew rate 14 V/μs; dynamic headroom 1.5 dB. 17 x 5 1/4 x 17 in; 30 lb . . . \$698

THE IDEAL AMPLIFIER FOR SUPERIOR SOUND SYSTEMS



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3B NRB

Amplifier

Bryston's new 3B NRB amplifier is a companion piece to the 4B NRB and 7B NRB, with a similarly optimized interface between power supply and signal circuitry, and the same ultra-linear amplification as its larger counterparts. Its 120 watts per channel is a popular size for a wide range of music systems requiring the highest quality source of power. **T**he 3B NRB uses Bryston's proprietary Quad-Complementary output section, which improves linearity to a new standard of accuracy, while virtually eliminating aggressive higher harmonic distortion products. From input to output, all the circuitry in the NRB series of amps has been optimized for the most musical amplification possible, with dual power supplies to provide precise and focused imaging. **N**ew, three-colour LEDs glow green for power-on, yellow for transient clipping, and red to indicate longer-term overload or any other departure from linearity, including shorted outputs, or strong out-of-band information, like RF or DC. Gold plated RCA and XLR input

connectors allow unbalanced or balanced operation at the flick of a rear mounted switch. A ground lift switch separates system ground from audio ground to reduce annoying ground loops and system hum. Finally, switchable monaural operation is available if higher power requirements become necessary. **A**lthough the description of circuit innovations can indicate the research and commitment we bring to the design of the finest audio products, only in the listening does the result of that dedication become clear. Bryston's 3B NRB is capable of doing justice to the most refined sound system, with the subtlest details of the musical fabric revealed in their original form. **W**e invite you to experience the musical accuracy, long term reliability and excellent value the Bryston 3B NRB represents.

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ST-140 105-W/ch Amplifier

2 channels. Class-A design up to MOSFET output stage. Balanced inputs. 105 W x 2 into 8 ohms or 150 x 2 into 4 ohms. THD 0.09%; FR 5-45,000 Hz; SN 95 dB; slew rate 14 V/ μ s; dynamic headroom 1.4 dB. 17 x 5 1/4 x 17 in; 25 lb \$548
ST-140. Mono version of above, 150 W x 1 into 8 ohms \$548

ST-120 60-W/ch Amplifier

2 channels. Class-A predriver stage, Class-AB MOSFET output stage. Balanced inputs. 60 W x 2 into 8 ohms. FR 5-45,000 Hz; SN 95 dB; THD 0.09% at 1,000 Hz. 17 x 2 1/2 x 10 in; 15 lb \$398

BEAR LABS

Symphony No.1 180-W/ch Amplifier

2 channels. Features balanced DC coupled circuitry; polypropylene capacitors; Class-AB operation; dual power transformers; stacked MOSFET's; metal-film resistors; FET and bipolar input devices; silver-plated Teflon-insulated wire; soft-start circuitry; internal mounting of heatsink system; anodized-aluminum chassis bottom; milspec aluminum transit case. Gold-plated AC/DC-coupled RCA inputs and binding posts. Backlit status display. 180 W x 2 into 8 ohms. Slew rate 75 V/ μ s; voltage gain 26 dB; THD 0.0025% at 1,000 Hz, 0.0065% at 10,000 Hz. 19 x 8 x 24 in; 128 lb \$8,333

BEL

Model 2002 100-W/ch Amplifier

2 channels. Features dual-mono construction with balanced outputs; 2 Class A amplifiers per channel; independent power supply for each channel. Temperature, frequency, output, and load indicators for each amp section. 100 W x 2 cont avg into 8 ohms or 200 x 1 into 4 ohms. Input imp 22 kilohms; high-level sens 1,400 mV; gain 26 dB; bandwidth 3-250,000 Hz with input filter. 19 x 7 3/4 x 14 1/4 in; 52 lb \$4,395

Model 1001P 400-W Mono Amplifier

1 channel. Features Class A design; balanced output; temperature-stabilizing circuitry; fault-sensing system. Balanced input optional. 400 W x 1 into 1 ohm. Input imp 13.5 ohms; high-level sens 1 V; FR 5-200,000 Hz. 17 1/4 x 7 1/4 x 12 3/4 in; 28 lb \$2,195

Model 1001 MkII 50-W/ch Amplifier

2 channels. Features Class A design; balanced output; temperature-stabilizing circuitry; fault-sensing system; balanced input optional. 50 W x 2 cont avg into 8 ohms, 100 x 2 into 4 ohms, or 200 x 1. Input imp 27 kilohms; high-level sens 1 V; bandwidth 5-200,000 Hz. 17 1/4 x 7 1/4 x 12 3/4 in; 28 lb \$1,995

BERNING

EA-2101 100-W/ch Tube Amplifier

2 channels. Uses triode vacuum tubes. Features regulated power supply; voltage protection; 4 output transformer windings/ch. 100 W x 2 cont avg. FR 10-60,000 Hz \pm 1.5 dB; THD 2% into 8 ohms; SN 100 dB. 19 x 5 1/4 x 19 in; 40 lb \$4,290

BGW SYSTEMS

SPA-3 750-W Amplifier

3 channels. Features security panel; digital attenuators. Adjustable high-pass filter; parametric EQ; 2 adjustable delays; magnetic circuit breaker. 250 W x 3 into 8 ohms or 300 x 3 into 4 ohms. SN 100 dB. 19 x 5 1/4 x 13 1/8 in; 48 lb \$2,599

GTA Grand Touring 350-W/ch Amplifier

2 channels. Featuring 5/4-in welded-steel chassis; high-speed power transistors; dual power supplies; solid-state DC speaker protection; cooling fan. Active-balanced inputs; xLR and 1/4-in input connectors; 5-way binding posts. Rear panel switchable subsonic filter. 350 W x 2 into 8 ohms, 625 x 2 into 4 ohms, 1,000 x 2 into 2 ohms, or 2,000 x 1 into 4 ohms. FR 3-85,000 Hz \pm 3 dB, 20-20,000 Hz \pm 0.2 dB; IM 0.03%;

slew rate 20 V/ μ s stereo; damping factor 500. 17 1/2 x 5 1/4 x 14 1/2 in \$2,199
GTA-06. As above, transformer-isolated inputs \$2,299

GTC Grand Touring 325-W/ch Amplifier

2 channels. Features Class AB operation; power transistors; looping xLR's with ground lift; variable-speed forced air cooling; solid-state DC speaker protection; toroidal power transformer; thermal protection sensor. Active balanced inputs; bridged-mono output; 5-way binding posts. Switchable speaker protection filter; magnetic circuit breaker; 2 LED's for modulation; 2 LED clip indicators. 325 W x 2 into 8 ohms with 0.10% THD, 550 x 2 into 4 ohms with 0.15% THD, or 1,100 x 1 into 8 ohms with 0.25% THD. FR 3-85,000 Hz +0, -3 dB, 20-20,000 Hz +0, -0.2 dB; IM 0.03%; damping factor 500; slew rate 20 V/ μ s stereo. 17 1/2 x 3 1/2 x 15 1/2 in; 45 lb \$2,099

GTB Grand Touring 300-W/ch Amplifier

2 channels. Features high-speed power transistors; power supply; cooling fan; modular construction; solid-state DC speaker protection. xLR and 1/4-in input connectors; active-balanced inputs with switchable subsonic filter; 5-way binding posts. 300 W x 2 into 8 ohms, 400 x 2 into 4 ohms, or 800 x 2 into 2 ohms. FR 3-85,000 Hz \pm 3 dB, 20-20,000 Hz \pm 0.2 dB; IM 0.01%; slew rate 20 V/ μ s stereo; damping factor 500. Accepts 2 internal crossover cards \$1,539
GTB-06. As above, transformer-isolated inputs \$1,639

Model 350A Series 200-W/ch Amplifier

2 channels. Features discrete circuitry; high-speed transistors; low-feedback design; solid-state DC speaker protection; magnetic circuit breaker; precision-stepped attenuators. Active-balanced inputs; xLR and 1/4-in input connectors; 5-way binding posts. Dynamic range LED display and status indicators; modulation and clip indicators; switchable subsonic filters. 200 W x 2 into 8 ohms, 325 x 2 into 4 ohms, or 600 x 1 into 8 ohms. FR 3-85,000 Hz \pm 3 dB, 20-20,000 Hz \pm 0.2 dB; IM 0.03%; slew rate 20 V/ μ s stereo; damping factor 400. Gold and black finish. 19 x 5 1/4 x 10 7/8 in; 34 lb \$1,349
Model 350A/06. As above, transformer-isolated inputs \$1,449
Model 350/06. As Model 350, transformer-isolated inputs \$1,299
Model 350. As Model 350A, without dynamic range LED display and status indicators \$1,199

Model 8500T 300-W/ch Amplifier

2 channels. Features speaker protection. Barrier strip inputs/outputs; 1/4-in input connectors. Rear-mounted gain controls and bridging switch. 300 W x 2 into 8 ohms or 450 x 2 into 4 ohms. FR 3-85,000 Hz +0, -3 dB; IM 0.01%; damping factor 300. 19 x 5 1/2 x 13 3/4 in; 56 lb \$1,299

Model 200 100-W/ch Amplifier

2 channels. Features short-current protection; toroidal power transformer; precision-stepped attenuators. xLR and 1/4-in input connectors; active-balanced inputs; 5-way binding posts. Clipping LED indicators; magnetic circuit breaker/power switch; signal presence indicators. 100 W x 2 into 8 ohms or 200 x 1 into 16 ohms. FR 1-85,000 Hz \pm 3 dB, 20-20,000 Hz \pm 0.25 dB; IM 0.02%; damping factor 400. 19 x 13 1/4 x 11 in; 14 lb \$999
Model 200/09. As above, includes external plug-in transformers and wiring \$1,169

Model 7500T 200-W/ch Amplifier

2 channels. Features speaker protection. Barrier-strip inputs/outputs; 1/4-in input connectors. Rear-panel mounted gain controls and bridging switch. 200 W x 2 into 8 ohms or 300 x 2 into 4 ohms. FR 3-85,000 Hz +0, -3 dB; IM 0.01%; damping factor 300. 19 x 5 1/4 x 13 in; 40 lb \$849

Model 6500T 100-W/ch Amplifier

2 channels. Features speaker protection. Barrier-strip inputs/outputs; 1/4-in input connectors. Rear-

panel mounted gain controls and bridging switch. 100 W x 2 into 8 ohms, 150 W x 2 into 4 ohms, or 250 x 1 into 8 ohms. FR 3-100,000 +0, -3 dB; IM 0.05%; damping factor 200. 19 x 3 1/2 x 13 in; 30 lb \$599

Model 85 35-W/ch Amplifier

2 channels. Features low-feedback discrete circuitry; modular construction with welded-steel chassis; toroidal power transformer. 1/4-in input connectors. Magnetic circuit breaker/power switch; headphone jack; stereo/mono switch. 35 W x 2 into 8 ohms, 45 x 2 into 4 ohms, or 90 x 1 into 8 ohms. FR 1-100,000 Hz \pm 3 dB, 20-20,000 Hz \pm 0.25 dB; IM 0.03%; damping factor 300. 19 x 1 3/4 x 11 1/2 in; 14 lb \$529
Model 85/01. As above, active-balanced inputs and xLR connectors \$599
Model 85/06. As Model 85, with internal input transformers and xLR connectors \$699

BOULDER

The following include a 5-yr warranty.

Boulder 500 150-W/ch Amplifier

2 channels. Features recessed controls; 2-stage amplification; toroidal power transformer; shielded power cord; short-circuit, DC-offset, and thermal protection. LED indicators; output-level controls. 150 W x 2 into 8 ohms, 250 x 2 into 4 ohms, or 500 x 1 into 8 ohms. THD 0.005%; slew rate 35 V/ μ s stereo, 70 V/ μ s mono; imp 10,000 ohms; peak current 50 amperes. 17 x 5 1/4 x 15 1/2 in; 51 lb \$4,999
 International version for 100, 120, 220, or 240 V AC at 50 or 60 Hz \$4,999
Boulder 500AE. As above, with balanced outputs and no LED's \$3,999
 International version for 100, 120, 220, or 240 V AC at 50 or 60 Hz \$4,099

Boulder 250AE 75-W/ch Amplifier

2 channels. Features 2-stage amplification and ground referencing at preamplifier; clip-detection circuitry. Balanced-input. 75 W x 2 into 8 ohms, 125 x 2 into 4 ohms, or 250 x 1 into 8 ohms. THD 0.005%; slew rate 25 V/ μ s stereo, 50 V/ μ s mono; imp 10,000 ohms; peak current 30 amperes. 17 x 5 1/4 x 15 1/4 in; 30 lb \$2,699
 International version for 100/120/220/240 V AC, 50/60 Hz \$2,699

Boulder 102AE 100-W/ch Amplifier

2 channels. Features 2-stage design; discrete circuitry; toroidal power transformer; gold-plated connectors. Voltage and current clipping indicators. 100 W x 2 into 8 ohms. THD 0.005% \$2,249

BRUCE MOORE AUDIO DESIGN

M125 Custom 125 W Mono Amplifier

1 channel. Class AB/quasi-Class A design; hand wired. Triode-switching. 225 W x 1 (partial-triode) or 125 x 1 (full-triode) from 10-100,000 Hz +0, -3 dB with 0.3% THD. Damping factor 16 \$8,600/pr

M225 225 W Mono Amplifier

1 channel. Class AB/quasi-Class A design; hand wired. Triode-switching. 125 W x 1 (partial-triode) or 64 x 1 (full-triode) from 10-100,000 Hz +0, -3 dB with 0.25% THD. Damping factor 16 \$6,600/pr

Dual Sixty 60-W/ch Amplifier

2 channels. Partial-triode Class AB design; non-phase inverting. 30 W x 2 from 10-100,000 Hz -3 dB with 0.25% THD. Damping factor 16; sens 0.9 V rms; ch sep 80 dB at 1,000 Hz \$2,195

BRYSTON

The following include a 20-yr parts-and-labor warranty. Models 7B, 3B, and 2B feature a ground-lift switch to separate system and audio grounds.

Model 4B NRB 250-W/ch Amplifier

2 channels. Features dual power supplies with multi-plate filter capacitors; 2,496-sq-in heat sink; soft-start

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The Award Winning
SA-9/11 Preamplifier
SA-4 Mono OTL Amp
About \$18,000 The Set

The Award Winning
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P O W E R A M P L I F I E R S

circuitry; Input buffer; 3-color LED indicators. Gold-plated input and output connectors; \times LR balanced inputs; RCA unbalanced inputs. Mono/stereo switch. 250 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD. Slew rate 60 V/ μ s; power bandwidth 1-100,000 Hz; IM 0.008%; damping factor 500 at 20 Hz, 8 ohms; input sens 1.25 V; Input imp 50 kilohms. 19 x 5 1/4 x 15 1/2 in; 42 lb \$2,295
Model 4B NRB THX. As above, with THX certification \$2,245

Model 7B NRB 500-W Mono Amplifier
 1 channel. Features toroidal transformers; soft-start circuitry; gold-plated balanced- \times LR and unbalanced-RCA inputs; 2,496-sq-in heat sink. Series/parallel switch. 500 W x 1 from 20-20,000 Hz with 0.01% THD. Slew rate 60 V/ μ s parallel, 120 V/ μ s bridged; power bandwidth 1-100,000 Hz; damping factor 300 at 20,000 Hz, 8 ohms; input sens 1 V; input imp 50 kilohms. 19 x 5 3/4 x 15 1/2 in; 42 lb \$2,195

Model 3B NRB 100-W/ch Amplifier
 2 channels. Features dual power supplies; quad-complementary output section; 1,248-sq-in heat sink. Gold-plated RCA and \times LR input connectors. Mono/stereo switch; 3-color LED indicators. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD. Slew rate 60 V/ μ s; power bandwidth 0.5-100,000 Hz; damping factor 500 at 20 Hz, 8 ohms; input sens 1 V; input imp 50 kilohms. 19 x 5 1/4 x 9 in; 28 lb \$1,395

Model 2B-LP 50-W/ch Amplifier
 2 channels. Features dual power supplies; 615-sq-in heat sink; 1% metal-film resistors; polystyrene capacitors; discrete circuitry. Gold-plated 5-way binding posts; gold-plated RCA connectors. Mono/stereo switch; 2-color LED indicators. 50 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD. IM 0.01% from 10 mW-50 W; slew rate 60 V/ μ s; power bandwidth 0.5-100,000 Hz; input sens 0.75 V; input imp 50 kilohms. 19 x 1 3/4 x 10 in; 48.3 lb \$750

CAMBRIDGE AUDIO

A100 110-W/ch Power Amplifier
 2 channels. Dual-mono configuration; two oversized toroidal transformers coupled with four large reservoir capacitors; high-pass filter input. Gold-plated input terminals; 5-way binding posts. 110 W x 2 into 8 ohms. FR 3-82,000 Hz \pm 3 dB; THD + noise 0.01% at 50% rated power; S/N 100 dB. 17 x 3 3/8 x 12 1/2 in; 21.6 lb \$700
A70. As above. 60 W x 2. 13.8 lb \$500

CARVER

Silver Six 300-W Mono Tube Amplifier
 1 channel. Features fully balanced circuit topology; 12 KT88/6550A power-output tubes; Avonite antivibration base with aluminum machined transformer end bells; 1-ohm stability. Gold input/output connectors. Volume and bias-current controls. 300 W x 1 cont avg into 8 ohms. FR 20-20,000 Hz; THD 3%. 10 1/2 x 8 1/2 x 19 in \$12,000

Silver Seven MkII 375-W Mono Tube Amplifier
 1 channel. Features fully balanced circuit topology; 14 KT-88 power-output tubes; A-450 output transformers with OFC primary leads and pure silver secondary leads; 1-ohm stability; van den Hul silver interconnects; pure-silver internal wiring; granite antivibration base with Silms aluminum machined transformer end bells. 375 W x 1 into 8 ohms from 20-20,000 Hz with 0.5% THD. Peak current 35 amperes; FR 1.5-100,000 Hz. 150 lb \$10,000

TFM-75 750-W/ch Amplifier
 2 channels. Features dual-mono, solid-state design with 2 separate AC power cords; fully regulated power supply with semitoroidal transformer for each channel; amplifier and speaker overload protection circuitry; fan cooling. 2 analog power meters; clipping indicators; variable \times LR input sens control; power switch for each channel. 750 W x 2 into 8 ohms or 1,000 x 2 into 4 ohms from 20-20,000 Hz with 0.1%

THD; 1,300 x 2 into 2 ohms. S/N 100 dB; peak current 40 amperes. 19 x 5 1/4 x 13 in; 48 lb \$2,000

Silver 9-t MkII 550-W Mono Amplifier
 1 channel. Features solid-state design with transfer function modified for vacuum-tube sound characteristics; shock-isolation mounting; fully regulated high-current high-voltage power supply; speaker and amplifier overload protection circuitry. Lighted analog power meter. Black finish. 550 W x 1 into 8 ohms or 900 x 1 into 4 ohms from 20-20,000 Hz with 0.5% THD; 1,000 x 1 into 2 ohms. FR 20-20,000 Hz; S/N 100 dB. 11 1/2 x 6 1/4 x 15 1/2 in; 23 lb \$1,200

TFM-55 380-W/ch Amplifier
 2 channels. Features solid-state design with transfer function modified for vacuum-tube sound characteristics; fully regulated high-current high-voltage power supply; amplifier and speaker overload protection. Two analog power meters with switchable range; variable \times LR input sens controls. 380 W x 2 into 8 ohms or 600 x 2 into 4 ohms from 20-20,000 Hz with 0.5% THD; 1,200 x 1. S/N 101 dB. 19 x 4 1/2 x 14 in \$1,000
TFM-35. As above, 250 W x 2 into 8 ohms or 350 x 2 into 4 ohms; 700 x 1. S/N 98 dB. 19 x 4 1/2 x 14 1/2 in \$700

AV-634 240-W Amplifier
 4 channels. Designed for multiroom, surround, or subwoofer/satellite applications. Features 18-dB/oct active crossover at 80, 100, or 150 Hz; input sens controls for all channels. 60 W x 4 or 60 x 2 + 150 x 1 into 8 ohms or 100 x 4 into 4 ohms from 20-20,000 Hz with 0.15% THD. 19 x 3 7/8 x 11 7/8 in \$600

TFM-15cb 100-W/ch Amplifier
 2 channels. Features daisy-chain capability; amplifier and speaker overload protection circuitry. A/B speaker switching; \times LR input sens controls; 2 analog power meters with switchable range. 100 W x 2 into 8 ohms or 140 x 2 into 4 ohms from 20-20,000 Hz with 0.1% THD; 300 x 1. S/N 100 dB. 19 x 4 x 13 7/8 in \$430

TFM-6cb 65-W/ch Amplifier
 2 channels. Features daisy-chain capability. \times LR input sens controls; A/B speaker switching; power/peak LED indicators. 65 W x 2 into 8 ohms or 100 x 2 into 4 ohms from 20-20,000 Hz with 0.1% THD; 180 x 1. S/N 110 dB. 19 x 1 3/4 x 13 in \$300

CARY

CAD-805 50-W Mono Tube Amplifier
 1 channel. Features single-ended, Class-A triode operation; MIT coupling caps; 300%-duty-cycle power transformer. Adjustable feedback; standby switch. 5-yr limited warranty. 50 W x 1. 10 x 12 1/4 x 24 in; 60 lb \$6,995

CAD-300SE 9-W Mono Tube Amplifier
 1 channel. Features single-ended Class-A triode operation; 1% metal-film resistors; 200%-duty-cycle transformers; polystyrene and polypropylene capacitors. Standby switch. 9 W x 1. FR 20-30,000 Hz +0, -0.75 dB; damping factor 40; S/N 90 dB \$3,295

SLM-100 100-W Mono Tube Amplifier
 1 channel. Features push-pull linear Class-A operation; KT-99A output tubes; MIT coupling caps; 1% metal-film resistors; 150%-duty-cycle power transformers; polystyrene and polypropylene capacitors; 6 tubes. 100 W x 1. FR 18-23,000 Hz +0, -0.75 dB; damping factor 35; S/N 85 ohms \$2,995
 Chromium chassis \$500

CAD-300B 25-W/ch Tube Amplifier
 2 channels. Push-pull amplification; Class-A operation; 1% metal-film resistors; 100%-duty-cycle transformers; polystyrene and polypropylene capacitors; 8 tubes; nickel chrome-plated chassis. Standby switch. 25 W x 2. FR 18-26,000 Hz +0, -0.75 dB; S/N 80 dB; damping factor 30. 16 3/4 x 7 x 14 in; 42 lb \$2,695
CAD-300M. 40-W mono block version of above. 13 x 6 x 12 in \$4,995

CAD-99SE 20-W Mono Tube Amplifier
 1 channel. Single-ended Class-A triode operation; KT-99A output tubes; MIT coupling caps. Standby switch. 20 W x 1. 5 1/2 x 7 x 19 in; 30 lb \$2,495

CAD-1250 75-W Mono Tube Amplifier
 1 channel. 6 bipolar push-pull transistors; push-pull Class-A operation; 1% metal-film resistors; 150%-duty-cycle transformers; one 12AX7 tube; polystyrene and polypropylene capacitors; temperature control cooling system. Peak power meter. 75 W x 1. FR 15-80,000 Hz +0, -0.75 dB; damping factor 90; S/N 85 dB. 12 1/2 x 4 1/2 x 16 1/2 in; 45 lb \$2,295

CAD-40M 40-W Mono Tube Amplifier
 1 channel. Push-pull linear Class-A operation; EL-34 output tubes; MIT coupling caps; 1% metal-film resistors; 200%-duty-cycle transformers; polystyrene and polypropylene capacitors. 40 W x 1. FR 10-30,000 Hz +0, -0.75 dB; S/N 80 dB. 19 x 5 1/2 x 7 in; 25 lb \$1,995

CAD-2A3 15-W/ch Tube Amplifier
 2 channels. Class-A triode operation; 2A3 triode output tubes; MIT coupling caps; 1% metal-film resistors; polystyrene and polypropylene capacitors; 100%-duty-cycle transformers. 15 W x 2. FR 10-30,000 Hz +0, -0.75 dB; S/N 80 dB; damping factor 30. 13 x 7 x 12 in; 38 lb \$1,895

Sweet 807 32-W/ch Tube Amplifier
 2 channels. Push-pull linear Class-A operation; 8 tubes; MIT caps; 1% metal-film resistors; 100%-duty-cycle transformers; polystyrene and polypropylene capacitors. 32 W x 2. FR 10-30,000 Hz +0, -0.75 dB; S/N 80 dB; damping factor 30. 13 x 7 x 12 in; 38 lb \$1,895

SLA-70 SIG 35-W/ch Tube Amplifier
 2 channels. Class-A push-pull linear operation; EL-34 output tubes; copper binding posts; MIT caps; metal-film resistors; polystyrene and polypropylene capacitors; 150%-duty-cycle transformers. Standby switch. 35 W x 2. Frequency response 20-30,000 Hz +0, -0.75 dB; signal-to-noise ratio 85 dB; damping factor 35. 13 x 7 x 12 in; 35 lb \$1,495

CAD 2500 75-W/ch Tube Amplifier
 2 channels. Two 12AX7 pre-driver vacuum tubes; 12 bipolar output transistors; metal-film resistors; 150%-duty-cycle transformers. Volume controls; output meters. 75 W x 2. FR 15-80,000 Hz +0, -0.75 dB; S/N 85 dB; damping factor 70. 19 x 4 1/2 x 11 1/2 in; 40 lb \$1,495
CAD-2500A. As above, without volume controls or output meters \$1,295

SLA-70 35-W/ch Tube Amplifier
 2 channels. Push-pull linear Class-A operation; EL-34 output tubes; metal-film resistors; polystyrene and polypropylene capacitors; 100%-duty-cycle transformers. 35 W x 2. FR 20-30,000 Hz +0, -0.75 dB; S/N 80 dB; damping factor 35. 13 x 6 x 12 in; 28 lb \$1,095

Accessories

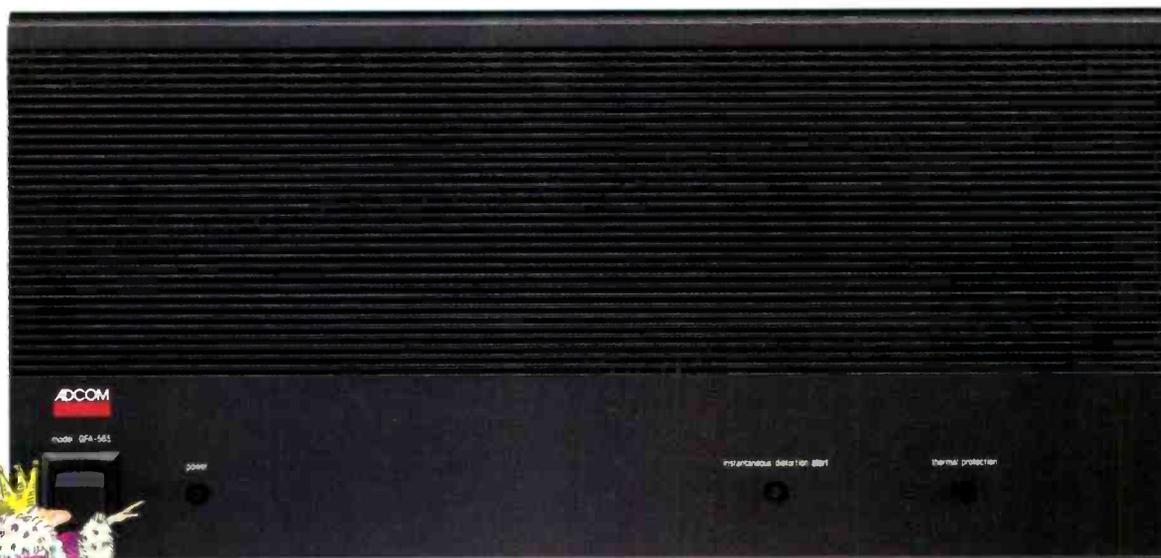
SE-Power Bank. For CAD-300SE or CAD-40M \$1,295
Chromium Chassis. For SLA-70 or CAD-2A3 \$200
Metal Cage Cover. \$160
Cary Cradle. Available in oak or black. For SLA, SLM, CAD-300B \$150

CELLO

Performance II 200-W Mono Amplifier
 1 channel. Features 8 transistors; 40 output devices; dual-choke power supplies; 2 electrically conductive heat-sink tunnels cooled by 2 fans per chassis. 200 W x 1 \$22,000/pr
Bridging Kit. For above \$385

Duet 350-W/ch Amplifier
 2 channels. 350 W x 2 cont avg into 8 ohms. 23 3/4 x 12 x 17 1/4 in; 95 lb \$7,500

Real power has always been in the hands of the few.



Adcom stereo components have a loyal and devoted following, having earned a reputation among audiophiles, engineers and musicians for extraordinary performance at affordable prices. Now Adcom introduces its newest amplifier, the no compromise GFA-565, for those in pursuit of absolute power and sonic perfection, but who prefer not paying a king's ransom.

The Evolution of Adcom's GFA-565

Adcom's new mono GFA-565 evolves from the design of the critically acclaimed GFA-555, greatly extending its capabilities. Representing brute strength, it delivers 300 watts at 8 ohms, 450 watts at 4 ohms and an awesome 850 watts at 2 ohms*. Most significantly, it will accurately drive even esoteric loudspeakers which present loads as low as 1 ohm.

Inspired by the GFA-555, the new GFA-565's well-regulated, high-current power supply has an enormous reserve capacity to meet tremendous dynamic demands, resulting in distortion-free reproduction on a continuous basis.

Why Use Two Mono Amplifiers?

The ability to deliver very high power into complex loads is a prerequisite for superior sound reproduction. Power supplies capable of delivering the energy necessary for high power, high-current amplifiers are massive. But there are practical limits to the size and weight of stereo amplifiers designed for home use, as well as heat dissipation and reliability constraints. Consequently, the use of two Adcom GFA-565 mono amplifiers offers optimum sound definition, detail and dynamics, satisfying even the most demanding perfectionist.

More Sound, Less Money

Like the GFA-555, the new Adcom GFA-565 sounds superior to amplifiers costing two and three times as much. It is so powerful and pure that it may be the last amplifier you ever buy, even if you upgrade your loudspeakers several times over the years. And that makes the GFA-565 an extraordinary bargain considering its exceptional performance.

ADCOM[®]
details you can hear

**Continuous power output, 20 Hz-20 kHz < 0.02% THD, measured in accordance with FTC specifications.*

Encore 60-W Mono Amplifier

1 channel. Features dual-choke power supply; nickel-plated copper heat sinks; 40 output devices \$6,000/pr
Bridging Kit. For above \$325

CLASSÉ AUDIO

The following are available in satin black or soft shadow silver.

Classé One-Thousand 1,000-W Mono Amplifier

1 channel. Features polystyrene and polypropylene capacitors; toroidal transformer. Balanced and single-ended inputs. 1,000 W x 1 into 8 ohms or 2,000 x 1 into 4 ohms. FR 20-20,000 Hz ± 1 dB; input imp 70 kilohms; SN 100 dB; THD 0.1%; IM 0.1%. 19 x 21 x 8 in. \$4,350

Classé Seven-Hundred. As above, 700 W x 1 into 8 ohms or 1,400 x 1 into 4 ohms. 19 x 17 1/2 x 7 1/4 in. \$3,350

Classé Twenty-Five 250-W/ch Amplifier

2 channels. Features polystyrene and polypropylene capacitors; toroidal transformer. Balanced and single-ended inputs. 250 W x 2 or 1,000 x 1 into 8 ohms. FR 20-20,000 Hz ± 1 dB; input imp 70 kilohms; SN 100 dB; THD 0.1%. 19 x 20 3/4 x 8 in. \$3,995

Classé Fifteen. As above, 175 W x 2 or 700 x 1 into 8 ohms. 19 x 17 1/4 x 7 1/4 in. \$2,995

Classé Ten. As above, 125 W x 2 or 400 x 1 into 8 ohms. 19 x 16 x 6 1/2 in. \$1,995

Classé Seventy. As above, 75 W x 2 into 8 ohms or 150 x 2 into 4 ohms. 19 x 11 3/4 x 4 7/8 in. \$1,095

DON J. COCHRAN

Delta Mode II 200-W Mono Tube Amplifier

1 channel. Features MOSFET vacuum tube design; 2-sided glass-epoxy circuit boards; direct-coupled design; buffered inputs; balanced output; dual transformers; magnetic circuit breaker; thermal protection. RCA phono, XLR, and screw-terminal connectors; LED indicator. 200 W x 1 cont avg into 8 ohms. Output imp 0.1 ohm; slew rate 65 V/ μ s; 0.07% THD at 200 W; SN 100 dB; input imp 50 kilohms. 17 x 5 1/4 x 8 1/2 in; 29 lb. \$6,800/pr

CONRAD-JOHNSON

Premier Eight 275-W Mono Tube Amplifier

1 channel. Features polypropylene capacitors in power supply; proprietary transpectral output transformers with signal pass-band beyond 500 kilohms. LED bias indicators. 275 W x 1. 19 x 9 1/2 x 20 in; 85 lb. \$6,495

Evolution 2000 200-W/ch Tube Amplifier

2 channels. Hybrid design with tube driver stage and MOSFET output; zero feedback. 200 W x 2. 125 lb. \$4,995

MV125 125-W/ch Amplifier

2 channels. Features low-imp power supplies and polystyrene capacitors. LED bias indicators. 125 W x 2 cont avg into 8 ohms. SN 94 dB. 19 x 9 x 20 1/2 in; 90 lb. \$2,995

MV70. As above, 70 W x 2 into 4, 8, or 16 ohms. \$2,895

MV52. As above, 45 W x 2. 40 lb. \$1,895

MF200 200-W/ch Amplifier

2 channels. MOSFET output stage; JFET input stage; low-feedback design; polypropylene and polystyrene capacitors. 200 W x 2 cont avg. FR 20-20,000 Hz; THD 1% into 8 ohms; SN 98 dB. 19 x 8 3/4 x 12 3/8 in; 59 lb. \$1,995

MF80. As above, 80 W x 2 \$1,395

COUNTERPOINT

Natural Progression 150-W Mono Tube Amplifier

1 channel. Features tube input and IGBT outputs; 1,000-V transformer; protection circuitry outside signal path; copper-plated chassis. 150 W x 1 into 8

ohms. FR 1-200,000 Hz; THD 0.02%; SN 90 dB; output imp 0.09 ohms. 19 x 6 3/4 x 19 in; 85 lb. \$7,595/pr

SA-4 160-W Mono Tube Amplifier

1 channel. DC coupled OTL monoblock; capacitorless, transformerless output; servo feedback loop to reduce DC and low-frequency offsets; eight 6LF6 tubes employed in Tolem Pole configuration. Adjustable bias. 160 W x 1 into 8 ohms. FR 0.8-100,000 Hz; THD 0.06%; SN 92 dB; output imp 30 ohms. 19 x 6 3/4 x 19 in; 59 lb. \$6,595/pr

SA-220 220-W/ch Tube Amplifier

2 channels. Hybrid design with tube input and MOSFET output; protection circuitry outside signal path; 1,000-V transformer; copper-plated chassis; 1-ohm stability. 220 W x 2 into 8 ohms or 700 x 1. FR 1.2-200,000 Hz; THD 0.02%; SN 84 dB; output imp 12 ohms. 19 x 6 3/4 x 19 in; 69 lb. \$2,995

SA-100 100-W/ch Tube Amplifier

2 channels. Hybrid design with tube input, MOSFET output; copper-plated chassis; 1,000-V transformer; 2-ohm stability. 100 W x 2 into 8 ohms. FR 5-100,000 Hz; THD 1.0%; SN 92 dB; dynamic headroom 3 dB. 19 x 4 1/2 x 12 3/4 in; 28 lb. \$1,395

Solid-1 100-W/ch Amplifier

2 channels. Features FET signal path; 2-ohm stability. 100 W x 2 into 8 ohms. Dynamic headroom 3 dB. 19 x 4 1/2 x 12 3/4 in; 18 lb. \$995

CREST

MAS200 200-W/ch Amplifier

2 channels. Features subsonic, ultrasonic, and short-circuit output protection. Clipping and signal LED's. 200 W x 2 into 8 ohms. FR 20-20,000 Hz; THD 0.025% at 200 W, 1,000 Hz; slew rate 35 V/ μ s; damping factor 400; input imp 20 kilohms. Available with 70-V AC or DC module. 19 x 1 3/4 x 17 1/2 in. \$800
 With 100-V DC module \$910

Professional Series

Model 8001 850-W/ch Amplifier

2 channels. Features subsonic, ultrasonic, short-circuit output protection; 7.6-kVA power transformer. Male and female XLR connectors; 5-way binding posts. 2 attenuators; clipping and signal LED's. 850 W x 2 into 8 ohms or 1,400 x 2 into 4 ohms. FR 20-20,000 Hz ± 3 dB; THD 0.015% at 120 W into 4 ohms, 1,000 Hz; damping factor 400; slew rate 35 V/ μ s; input imp 20 kilohms. 19 x 5 1/4 x 15; 80 lb. \$3,389

Model 7001. As above, with 1.9-kVA power transformer. Female XLR connectors. 640 W x 2 into 8 ohms or 1,050 x 2 into 4 ohms. Total harmonic distortion 0.02% at 800 watts into 4 ohms, 1,000 Hz. 19 x 3 1/2 x 15 in; 51.5 lb. \$2,589

Model 6001. As above, 525 W x 2 into 8 ohms or 850 x 2 into 4 ohms. THD 0.025% at 600 W into 4 ohms, 1,000 Hz. \$2,589

Model 4801. As above, 455 W x 2 into 8 ohms or 760 x 2 into 4 ohms. THD 0.025% at 480 W into 4 ohms, 1,000 Hz. 48 lb. \$1,749

FA Series

FA2401 350-W/ch Amplifier

2 channels. Features thermal, DC, and short-circuit protection; two 1.7-kVA power transformers. Female XLR connectors; 5-way binding posts. 2 attenuators; clipping and signal LED's. 350 W x 2 into 8 ohms or 600 x 2 into 4 ohms. FR 20-20,000 Hz ± 3 dB; THD 0.025% at 580 W into 4 ohms, 1,000 Hz; damping factor 500; slew rate 35 V/ μ s; input imp 20 kilohms. 19 x 3 1/2 x 15 in; 51 lb. \$1,679

FA1201. As above, with one 1.7-kVA power transformer. 300 W x 2 into 8 ohms or 475 x 2 into 4 ohms. THD 0.025% at 450 W into 4 ohms, 1,000 Hz. 36 lb. \$1,386

FA901. As above, with 1.3 kVA power transformer. 280 W x 2 into 8 ohms or 350 x 2 into 4 ohms. THD 0.025% at 300 W into 4 ohms, 1,000 Hz; slew rate 14 V/ μ s. 19 x 3 1/2 x 13 1/2 in; 33 lb. \$936

CC/CV Series

CV601 700-W/ch Amplifier

2 channels. Features impedance-sensing and clip-limiter circuitry; 2-step AC surge protection; short-circuit protection. 2 attenuators; rear-panel mode switch; clipping and signal LED's. 700 W x 2 into 8 ohms. FR 20-20,000 Hz; THD 0.05% at 600 W, 1,000 Hz; slew rate 35 V/ μ s; damping factor 400; input imp 20 kilohms. 19 x 5 1/4 x 14 in; 50.5 lb. \$1,989

CC301. As above, 385 W x 2 into 8 ohms. THD 0.025% at 500 W, 1,000 Hz \$1,989

CV301. As above, 300 W x 2 into 8 ohms. FR 40-20,000 Hz; THD 0.05% at 300 W, 1,000 Hz. \$1,309

CC151. As CC301, 250 W x 2 into 8 ohms; THD 0.025% at 300 W, 1,000 Hz \$1,189

LA Series

LA1201 300-W/ch Amplifier

2 channels. Features short-circuit protection; subsonic filter. 2 attenuators; mode switch; clipping LED. 300 W x 2 into 8 ohms or 475 x 2 into 4 ohms. FR 20-20,000 Hz; THD 0.025% at 450 W, 1,000 Hz; slew rate 14 V/ μ s; damping factor 500; input imp 20 kilohms. 19 x 3 1/2 x 14 in; 37.5 lb. \$1,134

LA901. As above, 280 W x 2. THD 0.025% at 300 W, 1,000 Hz. 34.5 lb. \$782

LA601. As above, 150 W x 2. THD 0.025% at 200 W, 1,000 Hz; damping factor 250. 19 x 3 1/2 x 11 1/2 in; 28 lb. \$630

CROWN INTERNATIONAL

Macro Reference 760-W/ch Amplifier

2 channels. Features grounded bridge circuitry; full output-protection circuitry; regulated cooling system. Selectable range/output-level meter; 2 input sensitivities; bridged-mono and parallel-mono modes; distortion, protection, and signal presence indicators; level control. 760 W x 2 into 8 ohms, 1,160 x 2 into 4 ohms, or 1,500 x 2 into 2 ohms. FR 20-20,000 Hz ± 0.1 dB; SN 115 dB; damping factor 20,000. 19 x 7 x 16 in; 56.5 lb. \$3,995

PS Series

Features Class AB/B design, low-frequency protection, ground-isolation jumper, bridged-mono mode, level controls, distortion, and signal-presence indicators on front panel.

PS-400 190-W/ch Amplifier

2 channels. 190 W x 2 into 8 ohms. 330 x 2 into 4 ohms, or 660 x 1 into 8 ohms. Frequency response 0-20,000 Hz ± 0.1 dB; THD 0.05%; intermodulation distortion 0.05%; slew rate 16 V/ μ s; damping factor 400; SN 112 dB. 19 x 7 x 10 1/8 in; 55 lb. \$1,195

PS-200. As above, 100 W x 2 into 8 ohms, 170 x 2 into 4 ohms, or 345 x 1 into 8 ohms. 19 x 5 1/4 x 10 1/8 in; 25 lb. \$995

DB SYSTEMS

DB-6A 40-W/ch Amplifier

2 channels. Features 1-ohm load stability; 12-dB/oct infrasonic filter; clipping LED's; electronic clamp. 40 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.003% THD. FR 20-40,000 Hz $\pm 0, -1$ dB; input sens 1 V; input imp 50 kilohms; SN 112 dB at 1 V; slew rate 15 V/ μ s; damping factor 400 from 20-1,000 Hz. 16 x 4 7/8 x 12 3/4 in. \$795

DB-6A-M. As DB-6A, 140 W x 1 cont avg with 0.008% THD; slew rate 30 V/ μ s. \$795

19-in rack adaptor \$55
 Mono conversion of DB-6A to DB-6A-M \$39
DB-6A-M(2). As DB-6A-M, 2 mono amps \$1,545

Upgrades and Modifications

Power Supply Upgrade. To increase capacitance to 126,000 μ F \$200

Power-Supply Upgrade. To increase capacitance to 42,000 μ F. Gold-plated binding posts and jacks; 2-year warranty extension \$160

Stereo-to-Mono Conversion. Conversion from 40-W x 2 stereo amp to 140-W mono amp \$39

So Who Are We To Argue? Introducing The NEW Hafler Trans•nova

There is something "very right" about tube sound. Audiophiles know it, musicians know it, so who are we to argue? We don't. Jim Strickland, Hafler's chief engineer has created "tubeey" sounding solid state circuitry for Hafler's new Models 9300 and 9500 power amplifiers. A unique drive stage allows the lateral MOSFET output devices to be connected just like tubes! In fact, this new **trans•nova** circuitry is so unique, it's patented.

As with the rest of the new Series 9000 line, the **trans•nova** amplifiers share the same elegant sonic quality, simplicity in design, modesty in price, reliability, and an unprecedented 7-year warranty!* We know you'll hear the distinction immediately. *Audition the new Models 9300 and 9500 trans•nova amplifiers at your local Hafler dealer and hear incredible tube sound... without the tubes.*

Model 9500



Hafler®

"THE AFFORDABLE HIGH END"

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In Pacific Asia, Fax (65) 339-0363

*7-Year warranty valid only in the USA

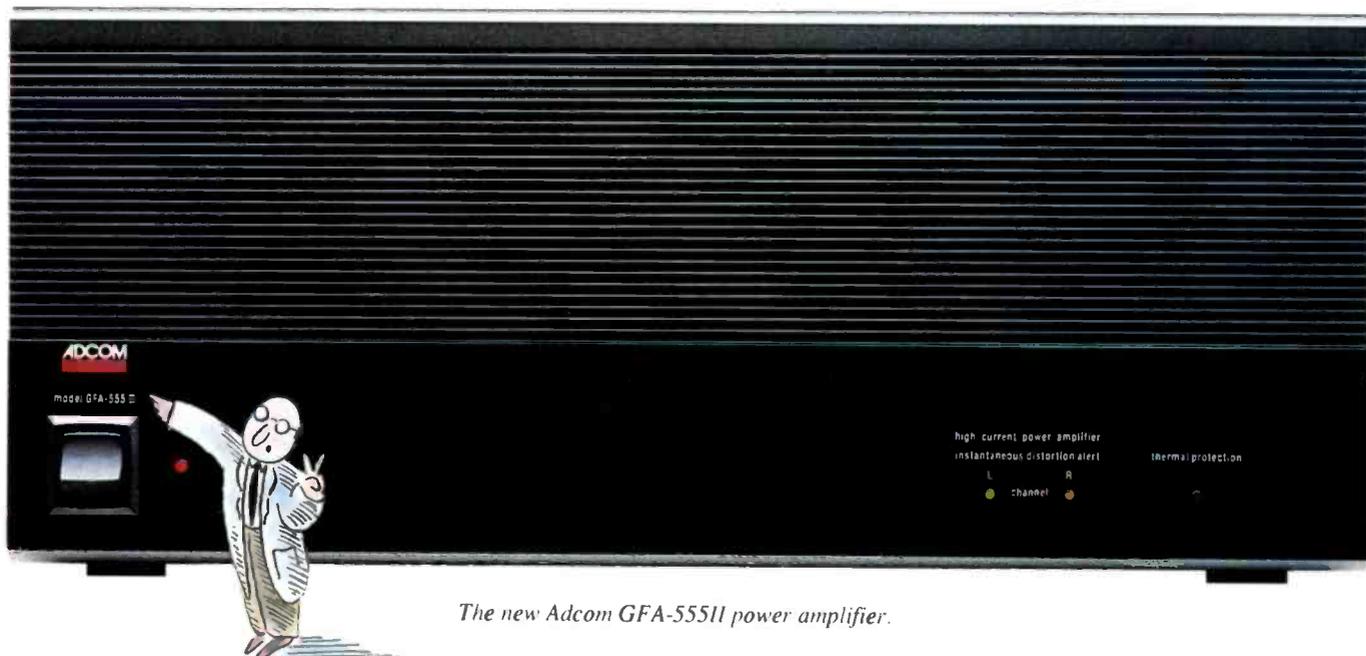


The Breakthrough.



The original Adcom GFA-555 power amplifier.

The New Breakthrough.



The new Adcom GFA-555II power amplifier.

Upon its introduction, the Adcom GFA-555 power amplifier was considered a breakthrough in audio technology. Rated superior to amplifiers costing two and three times as much, some critics had difficulty in naming a better component at any price.

Now, after years of using the GFA-555 as their model of superior performance and value, Adcom engineers announce another breakthrough. The new, upgraded GFA-555II, rated at 200 watts per channel*, offers greater stability, superior heat dissipation and less distortion. It is everything which made the GFA-555 "...one of the best selling amplifiers of all time,"** and more.

With the GFA-555II, Adcom begins a new generation of amplifiers, designed to set a new standard for performance at a reasonable price... giving more

and more music lovers the opportunity of experiencing the thrill of sonic perfection without the shock of exorbitant costs.

Visit your Adcom dealer and listen to the new GFA-555II. Then ask its price. You'll hear how good this new breakthrough sounds.

**Power output watts/channel, continuous both channels driven into 8 ohms, 20 Hz - 20 kHz at less than 0.04% THD.*

***Stereophile, October 1990.*

ADCOM®

details you can hear

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Distributed in Canada by PRO ACOUSTICS INC. Pointe Claire, Quebec H9R 4X5

DENON

POA-3000RG 250-W/ch Amplifier
2 channels. Features bridgeable dual-mono design; optically-coupled Class-A MOSFET circuitry; toroidal transformer. Balanced-XLR and unbalanced-RCA inputs. Input-level controls; speaker selector; power meters; self-diagnostic circuit with LEDs. 250 W x 2 or 500 x 1 into 8 ohms from 20-20,000 Hz with 0.05% THD. FR 1-100,000 Hz at 1 W; THD 0.005% at -3 dB; S/N 121 dBA \$4,000

POA-5000 400-W Amplifier
6 channels. Designed for use with the AVP-5000 AV preamplifier. Features optically-coupled Class-A circuitry; toroidal power transformer; separate power supply for each channel pair; bridgeable to 5, 4, or 3 channels. Remote power-switching from Denon preamps. 100 W x 2 + 50 x 2 + 50 x 2, all into 8 ohms from 20-20,000 Hz. Frequency response 1-150,000 Hz at 1 W; total harmonic distortion 0.02%; signal-to-noise ratio 118 dBA \$1,500

POA-2800 200-W/ch Amplifier
2 channels. Features optically-coupled Class A MOSFET circuitry; dual power supplies with toroidal transformers. Phono inputs. Remote power-switching from Denon preamps; A/B speaker switching. 200 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD. FR 1-150,000 Hz at 1 W; THD 0.002% at -3 dB; S/N 123 dBA \$800

POA-800 50-W/ch Amplifier
2 channels. Features discrete circuitry; 3-way speaker outputs. Peak-level indicator; remote power-switching from Denon preamps. 50 W x 2 or 120 x 1 into 8 ohms. THD 0.05% \$320

DYNACO

Stereo 70 Series II 35-W/ch Tube Amplifier
2 channels. Features EL34/6CA7 output tubes; 1% metal-film resistors; poly-composition capacitors; miniaturized high-capacity power-supply; double-sided fiberglass PC board; 6GH8A driver tubes. Gold-plated RCA inputs and 5-way binding posts. Front-panel user-adjustable LED biasing system; flat open-loop gain; 3-wire grounded power cord. 35 W x 2 cont avg into 4, 8, or 16 ohms. FR 20-20,000 Hz \pm 0.5 dB; THD 0.25%; μ 1%; damping factor 15. Black finish. 3-yr parts-and-labor warranty. 13 x 7 x 9 1/2 in; 35 lb \$995
As above, chrome chassis \$1,095

ELECTRONIC VISIONARY SYSTEMS

Model 2203 450-W Mono Amplifier
2 channels. Features balanced inputs. 450 W x 1 cont avg. 65 lb \$4,200/pr

Model 2202 225-W/ch Amplifier
2 channels. Features single-chassis dual-mono design; 31 position-stepped attenuators. 225 W x 2 cont avg. Slew rate 100 V/ μ s; input imp 100 kilohms. 65 lb \$2,250

ESSENCE

Reference II 200-W/ch Mono Amplifier
1 channel. Features bipolar Class AB design; toroidal transformer; OFHC leads; curve traced transistors; large power supply; aerospace-grade components. 200 W x 1 into 8 ohms or 300 x 2 into 4 ohms. FR 20-20,000 Hz \pm 3 dB; bandwidth 5-100,000 Hz; THD 0.01%; input imp 20 kilohms. 5-yr warranty. 19 x 14 x 8 in \$13,850/pr
Reference II Stereo. As above, 2 channels. 200 W x 2 \$12,500
Reference Stereo. As Reference II, without matched components \$9,850
Standard Mono. As above, 1 channel. Features mil-spec devices; smaller power supply. 200 W x 1 \$6,950
Standard Stereo. As Standard Mono, 2 channels. 200 W x 2 \$4,850

FORTE

F6 200-W/ch Amplifier
2 channels. Features bipolar output transistors; FET/bipolar front-end; Class A/AB gain stages; glass-epoxy circuit boards; toroidal power transformer. Gold-plated inputs and outputs. 200 W x 2 into 8 ohms from 0-20,000 Hz with 0.1% THD. Bandwidth -3 dB at 3 and 100,000 Hz; slew rate 50 V/ μ s; input imp 47 kilohms; output imp 0.02 ohm; current capability 16 amperes cont, 50 amperes max into 0.1 ohm. 17 x 6 3/4 x 9 1/4 in; 33 lb \$1,590
F5. As above, high-bias Class A AB output stage. 100 W x 2 into 8 ohms from 0-20,000 Hz with 0.1% THD; output imp 0.04 ohm; current capability 10 amperes cont, 30 amperes max into 0.1 ohm. 17 x 5 x 9 1/4 in; 26 lb \$990
F4. As above, Class A output stage. 50 W x 2 into 8 ohms from 0-20,000 Hz with 0.1% THD. 17 x 6 3/4 x 9 1/4 in; 33 lb \$1,490

FT-1 485-W Amplifier
5 channels. Features bipolar output transistors; FET input stage. 125 W x 3 + 55 x 2, all into 8 ohms from 20-20,000 Hz with 0.15% THD. FR 3-50,000 Hz \pm 1 dB \$1,490

FOSGATE-AUDIONICS

Model 4100 240-W Amplifier
4 channels. Designed for surround applications. Bridgeable to 3 channels. 60 W x 4 into 8 ohms or 100 x 4 into 4 ohms from 20-20,000 Hz with 0.05% THD; 225 x 2 into 8 ohms or 300 x 2 into 4 ohms with 0.1% THD \$949

M-60 MkII 35-W Mono Amplifier
1 channel. Designed for center-channel amplification in surround systems. Features fully complementary discrete circuit design. Input-level control. 35 W x 1 into 8 ohms or 60 x 1 into 4 ohms with 0.2% THD. FR 20-20,000 Hz \pm 1 dB. 8 1/2 x 2 3/4 x 7 1/2 in; 6 lb \$219

GOLDMUND

The following amplifiers feature a 3-yr parts-and-labor warranty.

Mimesis 9.2 275-W Mono Amplifier
1 channel. Employs mechanical grounding platform to reduce vibration. Features separate ground for each channel; floating chassis; switch for coupling ground signal, DC, overload, and thermal protection; AC line fuse. 275 W x 1. FR 0-150,000 Hz \pm 0.1 dB; S/N 115 dB; slew rate 100 V/ μ s. 19 x 10 x 19 in; 143.3 lb \$23,800
Mimesis 9. As above, 225-W x 2 \$11,900

Mimesis 8.2 175-W Mono Amplifier
1 channel. Features mechanical grounding platform to reduce vibration; 2 toroidal transformers with 4 separate power supplies; oscillation and DC offset protection; asymmetrical and symmetrical inputs; 2 power keys for protection against accidental power off. 175 W x 1 rms into 8, 4, or 2 ohms. FR 0-150,000 Hz \pm 1 dB; S/N 105 dB from 0.01-1,000,000 Hz; slew rate 100 V/ μ s; THD 0.01% from 0-35 V into 8 ohms; input imp 100,000 ohms. 3-yr parts-and-labor warranty. 19 x 6 x 19 in; 88.4 lb \$9,990
Mimesis 8.5. Stereo version of above with 1 power key. 200 W x 2 rms into 8 ohms. 111 lb \$5,400

Mimesis 6.8 80-W/ch Amplifier
2 channels. Employs mechanical grounding platform to reduce vibration. Feature proprietary self-compensating symmetrical circuitry; protection circuits. 80 W x 2. S/N 80 dB; slew rate 100 V/ μ s. 19 x 3 x 13 3/4 in; 27.6 lb \$3,800

HAFLER

Transnova 9500S 250-W/ch Amplifier
2 channels. Features 16 MOSFET output devices; four 20,000- μ F 100-V storage capacitors. 250 W x 2 or 750 x 1 into 8 ohms. 375 x 2 into 4 ohms. THD 0.1%;

S/N 100 dB; slew rate 150 V/ μ s; damping factor 1,000 at 1,000 Hz. Rack mountable; silver. 19 x 5 1/4 x 12 1/2 in; 50 lb \$1,900
Transnova 9500. As above, in black; not rack mountable. 17 x 5 1/4 x 12 1/2 in \$1,800

Transnova 9300S 150-W/ch Amplifier
2 channels. Features 12 MOSFET output devices; four 15,000- μ F 75-V storage capacitors. 150 W x 2 or 450 x 1 into 8 ohms, 225 x 2 into 4 ohms. THD 0.07%; S/N 100 dB; slew rate 150 V/ μ s; damping factor 800 at 1,000 Hz. Rack mountable; silver. 19 x 3 1/2 x 12 1/2 in; 36 lb \$1,300
Transnova 9300. As above, in black; not rack mountable. 17 x 3 1/2 x 12 1/2 in \$1,200

Model 9270S 135-W/ch Amplifier
2 channels. Features 12 MOSFET output devices; JFET double differential front end; double-sided glass circuit boards; twin-core transformers. Level controls. 135 W x 2 or 400 x 1 into 8 ohms. 200 x 2 into 4 ohms. THD 0.05%; S/N 100 dB; slew rate 50 V/ μ s; damping factor 300 at 1,000 Hz. Rack mountable; silver. 19 x 3 1/2 x 12 1/2 in; 35 lb \$850
Model 9270. As above, in black; not rack mountable. 17 x 3 1/2 x 12 1/2 in \$800

Model 9180S 105-W/ch Amplifier
2 channels. Features 8 MOSFET output devices; JFET double differential front end. 105 W x 2 or 300 x 1 into 8 ohms, 150 x 2 into 4 ohms. THD 0.05%; S/N 100 dB; slew rate 50 V/ μ s; damping factor 300 into 8 ohms at 1,000 Hz. Rack mountable; silver. 19 x 3 1/2 x 12 1/2 in; 33 lb \$700
Model 9180. As above, in black; not rack mountable. 17 x 3 1/2 x 12 1/2 in \$650

SE240 120-W/ch Amplifier
2 channels. Features 4 MOSFET output devices per channel; JFET double-differential push-pull cascoded input stage; 30,000- μ F power supply filter capacitance; thermal-protection circuitry; single-board circuit layout. 120 W x 2 or 350 x 1 into 8 ohms from 20-20,000 Hz with 0.025% THD; 175 x 2 into 4 ohms. Frequency response 4-40,000 Hz +0, -0.5 dB; slew rate 45 V/ μ s at 10,000 Hz; signal-to-noise ratio 100 dB; damping factor 300 at 1,000 Hz into 8 ohms. 17 x 5 1/4 x 10 1/2 in; 27 lb \$599

Model 9130S 65-W/ch Amplifier
2 channels. Features self-limiting MOSFET output. Level controls. 65 W x 2 or 150 x 1 into 8 ohms; 75 x 2 into 4 ohms. THD 0.008%; S/N 100 dB; damping factor 100 at 1,000 Hz. 19 x 3 1/2 x 9 in; 20 lb \$450
Model 9130. As above, in black; not rack mountable. 17 x 3 1/2 x 9 in \$420

SE120 60-W/ch Amplifier
2 channels. Features 4 lateral MOSFET outputs; discrete drive circuitry; thermal protection. 5-way blind-ing posts. 60 W x 2 into 8 ohms with 0.009% THD or 100 x 1 into 8 ohms. FR 10-40,000 Hz +0, -0.5 dB; S/N 100 dB; damping factor 100 into 8 ohms at 1,000 Hz. 17 x 3 3/4 x 9 1/2 in; 18 lb \$399

HARMAN KARDON

Citation22 200-W/ch Amplifier
2 channels. Discrete circuitry; high-current, low negative-feedback design; dual-mono construction with separate transformers; eight 130-W power transistors per channel; bridged mono capability. LED power meters; clipping indicator. 200 W x 2 cont avg into 8/4 ohms from 20-20,000 Hz with 0.08% THD. S/N 100 dB SPL/W/m; slew rate 160 V/ μ s; damping factor 120. 17 3/8 x 6 1/8 x 15 3/4 in; 45 lb \$1,149

PA2200 100-W/ch Amplifier
2 channels. Discrete circuitry; high current, low negative feedback design; bridgeable. Auto standby mode. 100 W x 2 into 8/4 ohms from 20-20,000 Hz with 0.3% THD \$569
PA2100. As above. 60 W x 2 into 8 ohms from 20-20,000 Hz with 0.09% THD or into 4 ohms with 0.3% THD \$429

HEYBROOK by D'ASCANIO AUDIO

P-3 100-W/ch Amplifier

2 channels. Features toroidal transformer capable of 30-ampere output; aluminum chassis. 100 W x 2 cont avg from 20-20,000 Hz into 8 ohms with 0.05% THD. S/N 60 dB; instantaneous peak current ± 30 amperes. \$1,398

HTG

SPA-100 100-W/ch Amplifier

2 channels. Low-feedback, dc-coupled design. 2 sets of binding posts; biwire terminals. 100 W x 2 into 8 ohms. FR 20-40,000 Hz; THD 0.05%; sens 1 V; S/N 95 dB; slew rate 50 V/ μ s; input imp 20 kilohms. 17 x 5 x 9 in; 23 lb \$849
SPA-65. As above, 50 W x 2 \$595

JOSEPH GRADO SIGNATURE

HP1-AC/DC 1-V/ch Headphone Amplifier

Features Class A output. 1 V x 2. THD 0.008%; slew rate 13 V/ μ s; input imp 100 kilohms. 2 lb \$795

JRM

Power Tower 540-W Amplifier

4 channels. Features 12-dB/oct active crossover; complementary symmetry all-cascode Class AB design; polypropylene capacitors; no voltage or current limiting; high-temperature, dc clip, power-up/fail protection. 12-step LED readout per ch. 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. FR 0.6-75,000 Hz; THD 0.02%; S/N 102 dB; slew rate 100 V/ μ s. 24 1/2 x 16 x 14 1/2 in; 65 lb \$3,300

KINERGETICS

KBA-75 Platinum Series 75-W/ch Amplifier

2 channels. Features Class A operation; dual-mono construction; 1-kVA power supply; multiple high-power output transistors; servo-controlled dc output; low-imp drive capability. 75 W x 2 into 8 ohms, 150 x 2 into 4 ohms, or 300 x 2 into 2 ohms. Slew rate 65 V/ μ s. 19 x 15 1/2 x 17 in \$1,795

KBA-505 525-W Amplifier

6 channels. For surround applications. Features 1.1-kW toroidal transformer; high-current output transistors; Compusound circuitry for matching any Kinergetics subwoofer. Subwoofer level control. 75 W x 5 + 150 W x 1 into 8 ohms \$1,695

KRELL

Krell Audio Standard 400-W Mono Amplifier

1 channel. Features 2-chassis Class A reference design. 400 W x 1 into 8 ohms, 800 x 1 into 4 ohms, 1,600 x 1 into 2 ohms, or 3,200 x 1 into 1 ohm. \$28,000/pr

MDA-500 500-W Mono Amplifier

1 channel. Features dc coupling; Class A circuitry; self-adjusting bias; dc offset. Balanced input and output; single-ended inputs. 500 W x 1 into 8 ohms or 4,000 x 1 into 1 ohm \$14,100/pr
MDA-300. As above, 300 W x 2 into 8 ohms or 2,400 x 2 into 1 ohm \$10,700/pr

KSA-250 250-W/ch Amplifier

2 channels. Features dc-coupling; Class A circuitry; self-adjusting bias; dc offset. Balanced and single-ended inputs. 250 W x 2 into 8 ohms or 2,000 x 2 into 1 ohm \$6,700

KSA-150 150-W/ch Amplifier

2 channels. 150 W x 2 into 8 ohms or 1,200 x 2 into 1 ohm \$5,000

KST-100 100-W/ch Amplifier

2 channels. Features dc-coupling; Class A/B circuitry; balanced and single ended input. 100 W x 2 into 8 ohms or 400 x 1 into 8 ohms \$2,950

KSA-5 5-W/ch Headphone Amplifier

2 channels. Features Class A circuitry. 2 locking headphone outputs; XLR connector; 5-way binding posts. 5 W x 2 into 8 ohms \$1,500

LAZARUS

LMA 200-W Mono Tube Amplifier

1 channel. Features tube/solid-state design; Class A circuitry. RCA, XLR balanced inputs. Standby switch. 200 W x 1 into 8 ohms, 400 x 1 into 4 ohms, or 700 x 1 into 2 ohms. FR 6-80,000 Hz ± 0.5 dB; input imp 47.5 kilohms; input sens 900 mV. 19-in rack panel available. 17 x 6 3/4 x 12 in; 45 lb \$3,790/pr

LSA 200-W/ch Tube Amplifier

2 channels. Features tube/solid-state design; Class A/B circuitry. RCA and XLR balanced inputs. Bridge/parallel operation switch; standby mode switch. 200 W x 2 or 700 x 1 into 8 ohms; 350 x 2 into 4 ohms. FR 6-80,000 Hz ± 0.5 dB; input imp 47.5 kilohms; input sens 900 mV. 19-in rack panel available. 17 x 6 3/4 x 12 in; 45 lb \$1,995

LINN

LK280 80-W/ch Amplifier

2 channels. 80 W x 2 cont avg from 20-20,000 Hz. 12 3/4 x 3 x 10 1/2 in; 19 lb \$1,695

LK280 Spark. Dual-mono version of above \$2,990

LK100 50-W/ch Power Amplifier

2 channels. Blamp or triamp capability. Overcurrent and thermal protection; internal heat sink. 50 W x 2 into 8 ohms. 0.5% distortion \$995

LUXMAN

M-117 200-W/ch Amplifier

2 channels. Features dual-FET per/ch input stage; high-current bipolar output transistors; Duo-Beta feedback-loop; star circuit topology. Gold-plated speaker binding posts and input terminals; variable and fixed inputs. Clipping indicators. 200 W x 2 into 8 ohms, 550 x 2 into 4 ohms, 820 x 2 into 2 ohms, or 700 x 1. THD 0.03% at rated power; S/N 120 dB; IM 0.007%; slew rate 20 V/ μ s; damping factor 130 at 50 Hz, 8 ohms. 17 1/4 x 6 1/2 x 17 1/2 in; 52 lb \$1,250

M-111 25-W/ch Amplifier

4 channels. Features voltage-driven amplification; Duo-Beta feedback; star topology. 4-way binding posts. Rear-panel bridging switches for ch 1-2 and 3-4; input-level controls. 25 W x 4 cont avg into 8 ohms or 75 x 2 into 8 ohms. THD 0.05%; S/N 112 dB; IM 0.02%; slew rate 12 V/ μ s; damping factor 45. 17 1/2 x 2 x 13 in; 11 lb \$400

MADISON FIELDING

The following feature a MOSFET output stage with no overall feedback.

M-1 100-W Mono Tube Amplifier

1 channel. Features hybrid vacuum-tube/solid-state design; Class-A operation; MOSFET output stage; power supply with 850-VA transformer and 112,000- μ F capacitance. 100 W x 1 into 4/8 ohms or 200 x 1 into 2 ohms. Input sens 707 mV. 14 x 8 1/2 x 20 in; 52 lb \$6,650/pr

M-2 200-W Mono Tube Amplifier

1 channel. Features hybrid vacuum-tube/solid-state design; Class-A operation; Class A/AB high-bias MOSFET output stage; power supply with 850-VA transformer and 78,000- μ F capacitance. 200 W x 1 into 4/8 ohms or 400 x 1 into 2 ohms. Input sens 1 V. 14 x 8 1/2 x 20 in; 55 lb \$5,900/pr

M-3 60-W/ch Amplifier

2 channels. Features Class-A operation; MOSFET output devices; power supply with 850-VA transformer and 108,000- μ F capacitance. 60 W x 2 into 8 ohms, 120 x 2 into 4 ohms, or 240 x 2 into 2 ohms. Input sens 550 mV. 19 x 8 1/2 x 16 1/2 in; 62 lb \$3,990

MARANTZ

SM-80 120-W/ch Amplifier

2 channels. Features THX certification; split-mono power transformer; separate dc power supplies and amplifier stages for each channel; direct-coupled audio path from input to output; Class A input and driver stages; Class AB output stage with high-current devices. Banana-plug, bare-wire, and pin-type speaker terminals. High-speed peak indicators. 120 W x 2 into 8 ohms from 20-20,000 Hz with 0.02% THD, 175 x 2 into 4 ohms from 20-20,000 Hz with 0.04% THD, 350 x 1 rms into 8 ohms, or 800 x 1 into 2 ohms. Slew rate 150 V/ μ s; damping factor 200 into 8 ohms; S/N 121 dBA. Gold finish with die-cast-alloy side panels. 17 7/8 x 6 x 14 1/8 lb; 37 lb \$700

MA-500 100-W Mono Amplifier

1 channel. Features pending THX certification. 1 gold-plated RCA input; 1 gold-plated RCA inverted output to allow bridging of multiple units; 2 banana-plug speaker terminals; RC-5 interface for remote compatibility with Marantz components. 100 W x 1 into 8 ohms from 20-20,000 Hz with 0.09% THD. Champagne-gold finish. 3 3/8 x 3 1/2 x 13 1/8 in. \$299

Music Link Series

The following feature a non-magnetic alloy chassis with copper plating and over-current protection. Multiple units may be bridged when used with the SC-80 or SC-22 preamplifier.

MA-24 30-W Mono Amplifier

1 channel. Features Class A amplification via differential-mode FET's; high-current toroidal transformer mounted with resonance-reducing hand-tuned bolts; all-alloy case and chassis. 30 W x 1 into 8 ohms from 20-20,000 Hz with 0.008% THD or 120 x 1 into 2 ohms. FR 20-20,000 Hz ± 0.2 dB; S/N 115 dB; damping factor 200 into 8 ohms at 1,000 Hz; peak current 50 amperes. Gold finish. 8 1/4 x 5 3/4 x 14 1/8 in; 22 lb \$1,500

MA-22 50-W Mono Amplifier

1 channel. Class AB output stage; all-discrete high-current devices; fully floating toroidal transformer. 50 W x 1 into 8 ohms from 20-20,000 Hz with 0.01% THD. FR 1-100,000 Hz +0, -1 dB; S/N 110 dB; damping factor 90 into 8 ohms at 1,000 Hz; peak current 65 amperes. 9 3/4 x 3 3/8 x 8 1/2 in; 13.2 lb \$1,000

MARCHAND

PM14 150-W Mono Amplifier

1 channel. All MOSFET design with high current output. Thermal and overload protection; toroidal power transformer. 250 W x 1 rms into 4 ohms or 150 x 1 rms into 8 ohms. FR 0-40,000 Hz ± 1 dB; THD 0.001% \$595

PM2 50-W Mono Amplifier

1 channel. Power supply not included. Features integrated circuit-driver chip; two complementary Darlington power transistors; output with safe-operating-area current limiter; temperature sensor; Class AB switchable to Class A with output power limited to 10 W x 1 rms. FR 5-50,000 Hz ± 1 dB; THD 0.01% at 1,000 Hz. 50 W x 1 cont avg into 8 ohms (Class AB), 10 W x 1 rms into 8 ohms (Class A) \$70
PM2-K. Kit version of above \$50
PS11-A. Dual 40-V power supply for above... \$105

MARK LEVINSON

Model 20.6 100-W Mono Amplifier

1 channel. Features Class-A biased design; active input buffer; dc-biasing circuitry; internal spike and surge suppression; RF filtering of raw ac from outlet; separate positive and negative supply rails each with individual toroidal power transformer; full-wave bridge rectification and filter capacitors; electronic regulation to refine power used by signal-carrying circuits; 3 high-current devices to drive output stage; all gain stages controlled at clipping; internal switching to adjust for operation at 90-240 V AC. Balanced

inputs with Camac connectors; Neutrik-XLR connector. 100 W x 1 Into 8 ohms or 200 x 1 into 4 ohms. Faceplate available in 19-in width. 17½ x 8¼ x 22 in; 90 lb\$7,475

Model 23.5 200-W/ch Mono Amplifier

1 channel. Filtered AC power with DC-offset corrector circuit; surge-limiting circuit protects circuit breakers; 2 power supplies for each ch; toroidal transformers with independent secondary windings; controlled clipping circuitry; triple-bypassing on main circuit board; bipolar gain stages; active differential input circuit; Class-AB output stage. 200 W x 1 into 8 ohms or 400 x 1 into 4 ohms. THD 0.3%; input imp 50 kilohms; gain 26.8 dB. 19 x 8¾ x 18 in; 105 lb \$6,495

Model 27.5 100-W/ch Amplifier

2 channels. Features dual-mono construction; raw AC current filtered by 2 separate circuits; surge-limiting circuit; 729-VA toroidal transformer to each ch; separate power supplies; audio signals processed through 2 Class-A cascaded voltage-gain stages and 3 current-gain stages; cascoded differential input stage; Class-AB output stage. Camac connector or 3-pin Neutrik XLR input. 100 W x 2 into 8 ohms, 200 x 2 into 4 ohms, or 350 x 2 into 2 ohms. Sens 141 mV; voltage gain 26 dB. 19 x 8¾ x 18 in; 85 lb\$4,995

Model 29 50-W/ch Amplifier

2 channels. Dual-mono construction; raw AC current filtered by 2 separate circuits; surge limiting circuit; 320-VA toroidal transformer in each ch; separate power supplies; audio signals processed through 2 Class A cascaded voltage gain stages and 3 current gain stages; cascoded differential input stage; Class AB output stage. Camac connector; 3-pin Neutrik XLR input. 50 W x 2 into 8 ohms, 100 x 2 into 4 ohms, or 175 x 2 into 2 ohms. Sens 141 mV; voltage gain 26 dB. 17½ x 6¾ x 14¾ in; 60 lb\$2,995

McINTOSH

MC-2600 600-W/ch Amplifier

2 channels. Anti-clipping circuitry; output autotformer; temperature-controlled cooling fans; protection circuitry. Balanced and RCA inputs; gold-plated output terminals. Power output meters. 600 W x 2 cont avg into 8, 4, or 2 ohms or 1,200 x 1 into 16, 8, 4, 2 ohms from 20-20,000 Hz +0, -0.25 dB with 0.005% THD. S/N 80 dBA; IM 0.005%; damping factor 40; dynamic headroom 1.7 dB; input sens 1.4 or 2.5 V. 19 x 10½ x 18 in; 130 lb\$5,395

MC-1000 1,000-W Mono Amplifier

1 channel. Double-balanced push-pull design; anti-clipping circuitry; output autotformer; thermal protection; convection cooling via 2,800-sq-in heat sink area; power-on muting. Gold-plated output terminals; balanced input. 1,000 W x 1 cont avg into 8, 4, or 2 ohms from 20-20,000 Hz +0, -0.25 dB with 0.005% THD. S/N 90 dBA balanced, 85 dBA unbalanced; IM 0.005%; damping factor 200; dynamic headroom 1.5 dB; input sens 2.5 V. 17½ x 10¾ x 19¾ in; 105 lb\$4,995

MC-7300 300-W/ch Amplifier

2 channels. Anti-clipping circuitry; output autotformer; power-on muting. Power output meters. 300 W x 2 cont avg into 8, 4, or 2 ohms or 600 x 1 into 16, 8, or 4 ohms from 20-20,000 Hz +0, -0.25 dB with 0.005% THD. S/N 80 dBA; IM 0.005%; damping factor 40; dynamic headroom 1.9 dB; Input sens 1.4 or 2.5 V. 16¼ x 5¾ x 15¾ in; 79 lb\$3,195

MC-7300(W). Wide-chassis version.

17½ x 5¾ x 15¾ in\$3,195

MC-7106 600-W Amplifier

6 channels. Designed for multiroom and surround applications. Features THX certification; anti-clipping circuitry; sentry circuitry to prevent overload; thermal and DC output protection; 2 bridgeable channel pairs. LED power-level indicators for each channel. 100 W x 6, 100 x 4 + 300 x 1, or 100 x 2 + 300 x 2 cont avg into 8 ohms from 20-20,000 Hz +0, -0.25 dB with 0.005% THD; 150 x 6 into 4 ohms. S/N 95 dBA; IM

0.005%; damping factor 200; dynamic headroom 1.7 dB; input sens 1.4 or 2.5 V. 17½ x 7¼ x 17½ in; 48 lb\$2,795

MC-7200 200-W/ch Amplifier

2 channels. Anti-clipping circuitry; Sentry output-protection; thermal, current and surge protection. Power-output meters with hold function; L/R gain control. 200 W x 2 or 600 x 1 cont avg into 8 ohms from 20-20,000 Hz +0, -0.25 dB with 0.005% THD; 600 x 1 into 8 ohms. S/N 105 dBA; IM 0.005%; damping factor 200. 14¾ x 5¼ x 15¾ in; 53 lb\$2,795

MC-7200(W). Wide-chassis version

.....\$2,795

MC-7150 150-W/ch Amplifier

2 channels. Anti-clipping circuitry; output autotformer; protection circuitry; power-on muting. Power-output meters. 150 W x 2 cont avg into 8, 4, or 2 ohms from 20-20,000 Hz +0, -0.25 dB with 0.005% THD. S/N 88 dBA; IM 0.005%; damping factor 40; dynamic headroom 1.8 dB; input sens 1.4 or 2.5 V. 16¼ x 5¾ x 15¼ in; 58 lb\$2,295

MC-7150(W). Wide-chassis version.

17½ x 5¾ x 15¼ in\$2,295

MC-754 100-W/ch Amplifier

2 channels. Anti-clipping circuitry; digital overload corrector to prevent distortion above 0.3%. 100 W x 2 or 200 x 1 cont avg into 8 ohms from 20-20,000 Hz +0, -0.25 dB with 0.02% THD. S/N 110 dB; IM 0.02%; damping factor 90\$1,095

MC-7100(W) 100-W/ch Amplifier

2 channels. Anti-clipping circuitry; DC output and thermal protection; toroidal power transformer; power-on muting. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz +0, -0.25 dB with 0.005% THD. S/N 95 dBA; IM 0.005%; damping factor 200; dynamic headroom 1.7 dB; input sens 1.4 V or 2.5 V. 17½ x 3¾ x 14½ in; 24 lb\$995

MELOS

SHA-1 3-W/ch Headphone Amplifier

Vacuum tube/differential DC Class A amp designed to drive headphones. Doubles as line-level preamp featuring two inputs and one line output with max of 9 V. Zero feedback amplification; direct coupling; Imp matched output stage circuitry; toroidal transformer; regulated power supplies; Tiffany connectors. 3 W x 2 into 8 ohms with 0.2% THD. Sens 100 mV; input imp 100 kilohms. 20 lb\$995

Triode Series

The following feature shielded toroidal transformers, separate regulation for all gain stages and DC heater supply, auto bias with LED indicators for all output tubes, and front-panel fuses with LED indicators for each fuse.

Triode 400 Plus 400-W Mono Tube Amplifier

1 channel. Class AB operation to 50 W; balanced input. Power handling 400 W x 1 into 8 ohms with 0.2% THD. FR 20-30,000 Hz; sens 1,000 mV; 3 dB dynamic headroom; Input imp 100,000 ohms. 83 lb\$5,995/pr

Triode 200 ST Plus Deluxe 200-W/ch Tube Amp

2 channels. Class AB operation to 50 W; balanced input. Power handling 200 W x 2 into 8 ohms with 0.2% THD. FR 20-30,000 Hz; sens 1,500 mV; 3 dB dynamic headroom; input imp 100 kilohms. 82 lb\$3,495

Triode 200 ST Plus. As above, with Class AB operation to 25 W. No balanced inputs. 79 lb\$2,995

MEMOREX

Concept 2 20-W/ch Wireless Amplifier

2 channels. 2-piece unit using ac wiring as signal carrier between amp and speakers. Features polarity inverter; Class-A output. Balanced inputs. 20 W x 2 into 8 ohms or 40 x 2 into 4 ohms. Total harmonic distortion 1%; dynamic headroom 1 dB; input impedance 47 kilohms. 9.5 lb\$249

MERIDIAN

Model 605 150-W Mono Amplifier

1 channel. Features Class-AB direct-coupled discrete design; MOSFET output devices; extruded aluminum case and heatsink. XLR balanced input; direct-coupled, unbalanced RCA input; gold-plated 5-way binding posts. 150 W x 1 into 8 ohms. FR 0.4-20,000 Hz +0, -0.5 dB; S/N -95.5 dB (full gain). 12¾ x 4 x 12 in; 22.1 lb\$3,500/pr

Model 205 100-W Mono Amplifier

1 channel. Features Class-AA design amp with toroidal high-current power supply; fully complementary circuit design; music-sense circuit turns on amp when signal is detected. 100 W x 1 into 8 ohms. 6¾ x 4 x 12¾ in; 13.2 lb\$1,790/pr

MIRROR IMAGE AUDIO

1.1SB 200-W/ch Amplifier

2 channels. Features soft-start circuitry; DC coupling; Class-A biased; biamp capability; 92,000-µF power supply capacitance; temperature-controlled fan. Bridgeable inputs. Overheating, DC offset, and clipping indicators; selectable input imps. 200 W x 2 into 8 ohms. FR 1-500,000 Hz; THD 0.01%; slew rate 300 V/µs. Silver or black finish. 52 lb\$4,500

1.1 S+. As above, with 196,000-µF of power supply capacitance. 62 lb\$5,525

1.1 M. As 1.1 S+, 588,000-µF of power supply capacitance/pr. 250 W x 2 into 8 ohms or 1,600 x 2 into 1 ohm. 70 lb\$9,800/pr

MOBILE FIDELITY

UltraAmp 100-W/ch Amplifier

2 channels. Features dual-mono design; Class-A operation; printed circuit board; independently regulated power supplies; 3 power transformers; hand-selected transistors; silver-coated conductive wires; DC coupling; RF filtering. 100 W x 2 into 8 ohms or 150 x 2 into 4 ohms. Frequency response 2-100,000 Hz ±1 dB; gain 30 dB; THD 0.02%; S/N 90 dB. 18 x 5½ x 16½ in; 30 lb\$1,695

MOD SQUAD

McCormack DNA-20 250-W Mono Amplifier

1 channel. Features JFET and MOSFET input and drive circuitry; bipolar output stage; DC-servo control; separate front-end and main power supplies; Distributed Node Current Reservoir delivers power to each local output device. 2 sets of outputs for biwiring. 250 W x 2 into 8 ohms. FR 1-250,000 Hz; S/N 90 dB; THD 0.01%; sens 1.2 V rms; current output 70 amperes max. 19 x 7 x 16 in; 55 lb\$5,995/pr

McCormack DNA-1 150-W/ch Amplifier

2 channels. Features hybrid JFET-MOSFET/bipolar circuitry; DC-servo control; Class A/AB mode; separate front-end and main power supplies; Distributed Node Current Reservoir delivers power to each local output device; global feedback; 885-VA transformer for power supply with electrostatic shielding. Two units may be converted into bridged mono pair. 150 W x 2 into 8 ohms. FR 1-250,000 Hz; S/N 90 dB; THD 0.01%; sens 1.2 V rms; current output 50 amperes max. 19 x 7 x 16 in; 55 lb\$1,995

MOTIF

MS2001 200-W/ch Amplifier

2 channels. Features MOSFET output stage; polystyrene capacitors. 200 W x 2 into 8 ohms. THD 1.0%; FR 20-20,000 Hz ±0.1 dB; S/N 100 dB; input imp 100 kilohms. 19 x 7 x 18½ in; 63 lb\$4,395

MS1001. As above, 100 W x 2\$3,295

MTX SOUND CRAFTSMEN

Pro-Power Ten 820-W Amplifier

4 channels. Features MOSFET circuitry; dual power meters and clipping indicators. 205 W x 4 into 8 ohms, 300 x 4 into 4 ohms with 0.05% THD, or 600 x 2



MTX Soundcraftsmen A200

into 8 ohms from 20-20,000 Hz with 0.05% THD. 19 x 5 1/4 x 12 in \$1,399

A5002 250-W/ch Amplifier

2 channels. Features Class H Vari-Proportional circuitry; 2-ohm load capability; crowbar output protection without current limiting. 20 LED indicators per channel; front-panel switching for 2 speaker pairs; clipping indicators; input-level controls. 250 W x 2 into 8 ohms or 375 x 2 cont avg into 4 ohms with 0.09% THD. S/N 105 dB; slew rate 50 V/μs; dynamic headroom 2 dB \$949

Pro-Power Four 205-W/ch Amplifier

2 channels. Features MOSFET amp with dual 20-segment LED clipping indicators; switching for 2 speaker pairs. 205 W x 2 cont avg into 8 ohms with 0.05% THD. 300 x 2 into 4 ohms, or 450 x 2 into 2 ohms. S/N 105 dB; slew rate 40 V/μs; IM 0.05%. 19 x 5 1/4 x 11 in; 28 lb \$849

A400 205-W/ch Amplifier

2 channels. Features MOSFET design; phase control regulation; thermal and overload protection; direct coupling; anti-surge turn-on delay. 205 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD or 300 x 2 into 4 ohms. S/N 105 dB \$760
Pro-Power Three. As above, without level controls or LED meters \$749

Pro-Reference Two 100-W/ch Amplifier

2 channels. Features MOSFET amp with 20-LED power meters; switching for 2 speaker pairs; clipping indicators. 100 W x 2 into 8 ohms or 200 x 2 into 4 ohms. S/N 105 dB. Charcoal finish with rack-mount front panel \$699

Pro-Reference One. As above, without LED meters \$599

PCR800 205-W/ch Amplifier

2 channels. Features phase-control-regulated MOSFET design. 205 x 2 cont avg into 8 ohms. THD 0.05%. S/N 105 dB. 8 1/4 x 5 x 12 in; 18 lb \$499

Pro-Power. As above. 300 W x 2 into 4 ohms or 450 x 2 into 2 ohms \$579

Pro-Pa2x200 125-W/ch Amplifier

2 channels. Features high-current MOSFET design. 125 W x 2 into 8 ohms or 190 x 2 into 4 ohms with 0.05% THD. FR 20-20,000 Hz ± 0.1 dB; S/N 105 dB; damping factor 200. Rack mount. 19 x 5 1/4 x 10 1/2 in \$499

A200 125-W/ch Amplifier

2 channels. Features MOSFET design; thermal and overload protection; direct coupling; non-current limiting. Clipping indicators. 125 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD or 190 x 2 into 4 ohms. FR 20-20,000 Hz ± 0.1 dB; S/N 105 dB. 17 x 5 1/4 x 10 7/8 in \$470

A100. As above, without clipping indicators. 60 W x 2 into 8 ohms. 17 x 1 3/4 x 10 7/8 in \$350

MUSE

Model One Hundred 100-W/ch Amplifier

2 channels. Features 6 complementary MOSFET's mounted on 180 square inches of heat sink per channel; discrete circuitry; multiple parallel secondary transformer; Class A operation in driver stage; diode decoupled filtered front-end power supply. 100 W x 2 into 8 ohms with 0.5% THD. FR 13-200,000 Hz +0, -3 dB. 19 x 3 1/2 x 13 1/2 in; 28 lb \$1,200

Model One Hundred Fifty. As above, mono. 125 W x 1 into 8 ohms with 0.5% THD. FR 13-250,000 Hz +0, -3 dB; output imp 0.60 ohms from 20-20,000 Hz. 19 x 3 1/2 x 13 1/2 in; 28 lb \$2,280/pr

MUSEATEX

The following feature floating-charge power supplies, MOSFET output, toroidal transformers, power-on muting, and a 5-year warranty.

Melior AS-10 100-W/ch Amplifier

2 channels. Class AB design; static fan heat sink; thermal overload, DC offset, and short-circuit protection; solid-state switching; 5-way binding posts. 100 W x 2 cont avg into 8 ohms or 150 x 2 into 4 ohms. FR 1-100,000 Hz; slew rate 75 V/μs; damping factor 100. 14 3/4 x 3 x 15 1/4 in; 26 lb \$1,999

Melior AM-15 150-W Mono Amplifier

1 channel. Static fan heat sink; thermal overload, DC offset, and short-circuit protection; solid-state switching. 2 parallel inputs; 2 parallel outputs for speaker biwiring; 5-way binding posts. 150 W x 1 cont avg into 8 ohms or 250 x 1 into 4 ohms. FR 1-100,000 Hz; IM 0.25%; damping factor 100 \$1,699

A-360 180-W Amplifier

3 channels. Thermal overload, DC offset, and short-circuit protection; solid-state switching. Designed to power rear or center channels in surround systems. 5-way binding posts. Detachable rack-mount ears. 60 W x 3 cont avg into 8 ohms or 90 x 3 into 4 ohms. FR 1-100,000 Hz; IM 0.25%; damping factor 100. 17 x 5 1/4 x 11 in; 24 lb \$949

A-260. As above, 2 channels \$799

MUSICAL DESIGN

D-140i 140-W/ch Amplifier

2 channels. Features high-current design with MOSFET driver stage; Class AB output stage; dual-mono power supply. 140 W x 2 into 8 ohms or 200 x 2 into 4 ohms. FR 0.1-180,000 Hz; THD 0.01%; slew rate 30 V/μs; sens 750 mV; Input Imp 22,100 ohms. 29 lb \$1,495

D-140. As above, without high-current design \$1,295

NAD

Models with Power Envelope circuitry feature extended headroom; NAD's Soft Clipping circuitry is designed to prevent speaker-damaging distortion.

Model 208 250-W/ch Amplifier

2 channels. Features N-channel MOSFET design; symmetrical balanced inputs. 250 W x 2 cont avg into 8 ohms or 500 x 1 into 8 ohms. Fan and rack-mount front-panel kits optional \$1,199

Model 2700THX 150-W/ch Amplifier

2 channels. Features THX certification; Power Envelope and Soft Clipping circuitry; infrasonic and ultrasonic filtering. Imp selector; overload indicators; optional rack handles. 150 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD or 400 x 1 into 8 or 4 ohms. S/N 100 dBA; damping factor 120 at 50 Hz; dynamic headroom 4 dB. 17 1/8 x 5 x 15 5/8 in; 29 lb \$829

Model 906 180-W Amplifier

6 channels. For multiroom and surround applications. 3 discrete, independent, high-current power supplies; Soft Clipping circuitry; 2-ohm drive capability. 3 line-level, buffered outputs. 30 W x 6 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD. 30 x 4 + 90 x 1. 30 x 2 + 90 x 2, or 90 x 3 into 8 ohms. S/N 85 dBA; damping factor 100 at 50 Hz; dynamic headroom 2 dB. 16 1/2 x 4 1/4 x 14 1/2 in \$649

Model 2400THX 100-W/ch Amplifier

2 channels. Features THX certification; Power Envelope and Soft Clipping circuitry. Lab and normal inputs. Variable Input sens; A/B speaker switching. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. S/N 98 dBA; damping factor 100 at 50 Hz; dynamic headroom 5.7 dB. 17 1/8 x 5 x 15 5/8 in; 22 lb \$599

Model 2100X 60-W/ch Amplifier

2 channels. Power Envelope and Soft Clipping circuitry. Lab and normal inputs. Features variable input sens; A, B, and A+B speaker switching. 60 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. S/N 100 dBA; damping factor 100 at 50 Hz; dynamic headroom 5.5 dB. 17 1/8 x 4 1/4 x 15 5/8 in; 21 lb \$429

Model 902 30-W/ch Amplifier

2 channels. Features high-current power supply; Soft Clipping circuitry; 2-ohm drive capability; variable input sens. 30 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD or 90 x 1 into 8 ohms. S/N 85 dBA; damping factor 100 at 50 Hz; dynamic headroom 2 dB. 16 1/2 x 3 3/8 x 10 5/8 in \$249

NAIM

NAP 250 70-W/ch Amplifier

2 channels. Features toroidal transformers; 4 regulated power supplies each rated at 40 V and 15 amperes; shut down if heat sink reaches 70° C; fan cooling. 70 W x 2 cont into 8 ohms. Input Imp 22 kilohms; FR 3-40,000 Hz ± 3 dB \$3,295

NAP 135 75-W Mono Amplifier

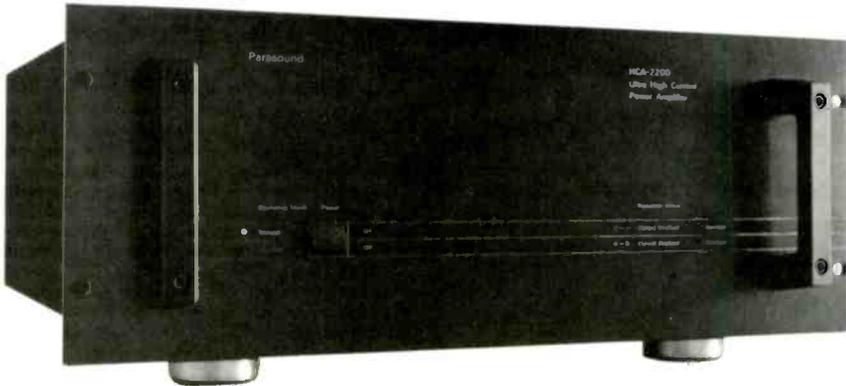
1 channel. Features toroidal transformers; 4 regulated power supplies each rated at 40 V and 15 amperes; shut down if heat sink reaches 70° C; fan cooling. 75 W x 1 cont into 8 ohms. Input Imp 22 kilohms; FR 3-40,000 Hz ± 3 dB. 16 3/4 x 3 x 11 3/4 in \$3,295

NAP 180 60-W/ch Amplifier

2 channels. Features 430-VA toroidal transformer; 4 smoothing capacitors. 60 W x 2 cont into 8 ohms. Input Imp 22 kilohms; FR 5-40,000 Hz ± 3 dB. 16 3/4 x 3 x 11 1/4 in \$2,095

NAP 140 45-W/ch Amplifier

2 channels. Features dual power supply rectification; 2 smoothing capacitors for each channel; thermal protection. 45 W x 2 cont into 8 ohms. Input Imp 22 kilohms; FR 5-40,000 Hz ± 3 dB \$1,495



Parasond HCA-2200

NAP 90 30-W/ch Amplifier

2 channels. Features protection circuitry. 30 W x 2 cont into 8 ohms. Input imp 22 kilohms; FR 5-40,000 Hz \pm 3 dB. 8 x 3 x 11 $\frac{1}{4}$ in \$995

NAKAMICHI

PA-7AII 225-W/ch Amplifier

2 channels. Stasis topology; two internal amps for high- and low-imp sources; 700-W toroidal power transformer; bridge rectifiers; electrolytic filters. 225 W x 2 cont avg into 8 ohms with 0.05% THD. FR 20-20,000 Hz +0, -0.2 dB; S/N 120 dB; damping factor 60; dynamic headroom 1.7 dB. 17 $\frac{1}{8}$ x 7 $\frac{7}{8}$ x 16 $\frac{3}{8}$ in; 62.7 lb \$2,195
PA-5AII. As above, 150 W x 2 \$1,550

NESTOROVIC LABS

NA-1 150-W/ch Mono Tube Amplifier

1 channel. Class AB operation; push-pull configuration. Balanced inputs; differential or single-ended input. THD 0.5%; high-level sens 1 V. 150 W cont avg x 1 into 4/8 ohms. FR 18-25,000 Hz; input imp 200 kilohms. 17 x 7 $\frac{1}{2}$ x 10 in \$3,600

NHT

MA-1 80-W Mono Amplifier

1 channel. Designed to power center-channel speaker or subwoofer. Feature Class AB design; defeatable low-pass filter at 50, 100, or 200 Hz; built-in high-pass filter; variable gain. 80 W x 1 into 8 ohms. Slew rate 12 V/ μ s; dynamic headroom 2 dB; input imp 50 kilohms \$300

NRG

Model 401S 400-W/ch Amplifier

2 channels. Features Class A design; protection circuitry; regulated power supply. 400 W x 2 into 8 ohms. Bandwidth 0.4-100,000 Hz; THD 0.05%; slew rate 800 V/ μ s; damping factor 500 from 20-20,000 Hz. 5-yr warranty. 19 x 10 $\frac{1}{2}$ x 27 in; 120 lb \$6,900
Balanced-input option \$300
A201S. As above, 200 W x 2; slew rate 600 V/ μ s \$6,900
Balanced-input option \$300
A401M. As 401S, Class A mono design. 400 W x 1 \$6,300
Balanced-input option \$200

OCM TECHNOLOGY

Soloist Series

Model 500 200-W/ch Amplifier

2 channels. Features Class AB MOSFET output circuitry with temperature-independent biasing. 1,500-VA, shielded, toroidal power transformer; electrolytic capacitors. Gold-plated RCA jacks for unbalanced stereo input; XLR input for balanced mono operation; 5-way binding posts. 200 W x 2 into 8 ohms, 400 x 2 into 4 ohms, or 800 x 1 into 8 ohms. THD 0.25%; input

sens 1.1 V; input imp 50 kilohms; FR 0.2-100,000 Hz \pm 3 dB. Black anodized-aluminum faceplate. 19 x 5 $\frac{1}{4}$ x 17 in; 66 lb \$2,595

Model 200 100-W/ch Amplifier

2 channels. Features Class AB MOSFET output circuitry with temperature-independent biasing. 1,000-VA, shielded, toroidal power transformer; electrolytic capacitors. Gold-plated RCA jacks for unbalanced stereo input; XLR input for balanced mono operation; 5-way binding posts. 100 W x 2 into 8 ohms, 200 x 2 into 4 ohms, or 400 x 1 into 8 ohms. THD 0.25%; input sens 790 mV; input imp 50 kilohms; FR 0.2-100,000 Hz \pm 3 dB \$1,595

OCTAVE RESEARCH

OR-1 85-W/ch Amplifier

2 channels. Features Class A operation; separate amplifiers for LR channels; 4 independent power supplies; mono operation via bridging adaptor. 85 W cont avg x 2 into 8 ohms. IM 0.02%; S/N 95 dB; input imp 100 kilohms. 3-yr parts-and-labor warranty. 19 x 9 $\frac{1}{8}$ x 19 $\frac{3}{8}$ in; 66 lb \$3,650

ONKYO

Grand Integra M-510 300-W/ch Amplifier

2 channels. Features high-current dual-mono design; 1-ohm drive capability; power supply with current stabilizing transformer; 3 separate power supplies. Power meters calibrated to 1-dB accuracy; adjustable meter sens. 300 W x 2 cont avg into 8 ohms, 750 x 2 into 4 ohms, 1,300 x 2 into 2 ohms, or 2,100 x 2 into 1 ohm. THD 0.005%; S/N 120 dB; IM 0.003%. 20 x 10 $\frac{1}{2}$ x 21 in; 165 lb \$4,500

Integra M-588F 200-W/ch Amplifier

2 channels. Features balanced dual-mono design; low-imp-drive capability; discrete outputs; optically-isolated output; overload protection. XLR and RCA inputs; 4 parallel banana-plug speaker terminals. 2 optically-isolated power meters with auto meter-range selection. 200 W x 2 rms into 8 ohms or 750 x 2 max into 2 ohms \$2,000

Grand Integra M-508 200-W/ch Amplifier

2 channels. Features high-current dual-mono design; low-imp drive capability; current stabilizing transformer. Variable inputs with LR level controls. Calibrated high-speed power meters; peak-power meters. 200 W x 2 cont avg into 8 ohms, 460 x 2 into 4 ohms, 685 x 2 into 2 ohms, or 860 x 2 into 1 ohm. THD 0.003%; S/N 120 dB; IM 0.003%; damping factor 140. 18 $\frac{1}{4}$ x 7 $\frac{1}{4}$ x 16 $\frac{3}{8}$ in; 55 lb \$1,200

Integra M-504 165-W/ch Amplifier

2 channels. Features high-current dual-mono design; low-imp drive capability; discrete outputs; linear switching. 4-way speaker selector; high-speed peak-power meters; side panels. 165 W x 2 rms into 8 ohms or 530 x 2 max into 2 ohms. THD 0.003%; S/N 120 dB; IM 0.003%; damping factor 140. 18 $\frac{1}{4}$ x 7 $\frac{1}{4}$ x 16 $\frac{3}{8}$ in; 46 lb \$830

Integra M-502 140-W/ch Amplifier

2 channels. Features dual-mono design; low-imp drive capability; discrete outputs; linear switching. 4-way speaker selector. Side panels optional. 140 W x 2 rms into 8 ohms or 425 x 2 max into 2 ohms. THD 0.005%; S/N 120 dB; IM 0.004%; damping factor 140. 17 $\frac{1}{8}$ x 7 $\frac{1}{4}$ x 16 $\frac{3}{8}$ in; 41 lb \$650

M-501 150-W/ch Amplifier

2 channels. Features protection circuitry. 2 sets of speaker outputs. 150 W x 2 rms into 8 ohms, 210 x 2 max into 8 ohms, or 400 x 2 into 2 ohms. FR 5-100,000 Hz; THD 0.09%; S/N 100 dB; IM 0.09%; damping factor 40. 17 $\frac{1}{8}$ x 5 $\frac{7}{8}$ x 13 $\frac{1}{4}$ in; 23 lb \$360

PARASOUND

HCA-2200 220-W/ch Amplifier

2 channels. Features high-current design; discrete circuitry; 1,000-V toroidal transformer; 90-ampere peak current; 24 output devices. Gold-plated inputs; 5-way binding posts. 220 W x 2 or 500 x 1 bridged. FR 5-100,000 Hz; dynamic headroom 1.5 dB \$1,585

HCA-1206 720-W Amplifier

6 channels. Features THX certification; high-current discrete circuitry; FET; toroidal transformer. 5-way binding posts; gold-plated inputs. Level controls. Bridgeable to 5 or 4 channels. 120 W x 6 or 280 x 2 + 120 x 2. FR 8-90,000 Hz; THD 0.01%; IM 0.05%; S/N 104 dB. 19 x 7 x 16 in \$1,535

HCA-1200 200-W/ch Amplifier

2 channels. Features high-current design; discrete circuitry; toroidal transformer; 60-MHz output transistor; 57 amperes peak current. 5-way binding posts; gold-plated inputs. Level controls. 200 W x 2 rms into 8 ohms or 600 x 1 rms. FR 8-90,000 Hz; THD 0.08% \$845
RMK-100G. 19-in rack mount kit \$29

HCA-800II 100-W/ch Amplifier

2 channels. High-current design; discrete circuitry; 60-MHz output transistors; relay protection; gold-deposited 36,000- μ F electrolytic capacitors. Gold-plated RCA inputs; headphone jack; 5-way binding posts. Level controls; ∞ speaker terminals; rear-panel bridging switch. 100 W x 2 cont into 8 ohms, 150 x 2 into 4 ohms, or 260 x 1 into 4 ohms. FR 20-20,000 Hz \pm 0.5 dB; THD 0.1%; S/N 104 dB; IM 0.1%; damping factor 120. 17 $\frac{1}{4}$ x 3 $\frac{3}{4}$ x 11 $\frac{1}{4}$ in \$425
RMK-800. 19-in rack-mount kit \$24

HCA-500 50-W/ch Amplifier

2 channels. High-current design; discrete circuitry; oversized power transformer. RCA inputs; headphone jack; 5-way binding posts. Level controls; relay protection indicator. 50 W x 2 cont into 8 ohms or 75 x 2 cont into 4 ohms. FR 20-20,000 Hz \pm 0.5 dB; THD 0.25%; S/N 100 dB; damping factor 85 \$319

PIONEER

A-301 40-W/ch Amplifier

2 channels. Features 4-ohm load capability; honeycomb chassis and heat sink. Balance control. 40 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD. 16 $\frac{1}{8}$ x 5 x 13 $\frac{3}{8}$ in; 15.2 lb \$395

Elite Series

M-91 200-W/ch Amplifier

2 channels. Features direct signal paths; low-imp drive capability; power supply with 47-ampere rating and 1 cast-iron transformer per channel; sixteen 130-W output transistors; honeycomb heat sink and Insulators. Two pairs of speaker outputs; CD- and line-direct inputs with level controls. ∞ speaker switching. 200 W x 2 cont avg into 8 ohms from 20-20,000 Hz with THD 0.003%. FR 20-20,000 Hz +0, -0.1 dB; S/N 125 dB. 18 x 6 $\frac{1}{2}$ x 17 in \$1,400

M-72 200-W Amplifier

4 channels. Features semiconductor non-linearity cancellation; insulation of power transformer and

P O W E R A M P L I F I E R S

heat sink from chassis; direct signal paths. 2 inputs; headphone jack. 2 input-level controls. 50 W x 4 cont avg into 8 ohms from 20-20,000 Hz with 0.02% THD or 100 x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.009% THD. Frequency response 5-150,000 Hz ± 0 , -3 dB; signal-to-noise ratio (2-ch mode) 120 dB. 18 x 6 1/2 x 16 3/4 in; 47.6 lb \$1,000

POINTSOURCE

MT100 100-W Mono Tube Amplifier

1 channel. Class AB pentode, Class A/B triode, Class A pentode, and Class A triode operating modes. 100 W x 1 into 8 ohms from 20-20,000 Hz with 0.5% THD. Solid-wood enclosure. 8 x 7 x 15 in; 40 lb \$1,750/pr

T100. As above, single chassis. 100 W x 2. 19 x 7 x 15 in; 55 lb \$1,375

M202 200-W Mono Amplifier

1 channel. Features high-bias Class AB design; FET input and bipolar output; 1,000-VA power transformer; 1-ohm drive capability. 200 W x 1 into 8 ohms from 20-20,000 Hz with 0.1% THD. Solid-wood enclosure, black metal faceplate. 7 x 7 x 15 in. \$1,400/pr

Model 202. As above, single chassis; dual-mono design. 200 W x 2. 19 x 7 x 16 in \$1,250

M102. As M102, 100 W x 1. 7 x 5 x 15 in. \$1,100/pr

Model 102. As M102, single chassis. 100 W x 2. 19 x 5 x 16 in; 46 lb \$975

PRODIGY

150-W Mono Amplifier

1 channel. Features Teflon power-connect wiring; military-grade components. 150 W x 1 into 8 ohms. FR 4-50,000 Hz; slew rate 35 V/ μ s. 17 1/2 x 12 x 19 1/2 in; 100 lb \$7,000/pr

PS AUDIO

PS 100 Delta 120-W/ch Amplifier

2 channels. Dual-mono design; direct-coupled input and output; 60 μ F filter capacitors in power supply; low feedback design. 200 W x 2 into 4 ohms. Total harmonic distortion 0.1%; slew rate 150 V/ μ s. 17 x 6 x 17 in; 43 lb \$1,195

PS 250 Delta 250-W Mono Amplifier

1 channel. Features isolated transformer power supply; direct-coupled input and output; twelve 10- μ F filter capacitors in power supply; low feedback design. 400 W x 1 into 4 ohms; THD 0.1%; slew rate 150 V/ μ s. 17 x 6 x 17 in; 52 lb \$995

PSE

Studio V 120-W Mono Amplifier

1 channel. Features Class A/AB design; discrete circuitry; FET up to Class A/B high current; bipolar transistors; toroidal transformer; 54,000- μ F main supply; independent regulated supplies for each stage; auto mute; OFC wiring; thermal, DC-offset, and short-circuit protection. XLR-balanced and RCA-unbalanced inputs. 120 W x 2 into 8 ohms with 1% THD. Slew rate 200 V/ μ s; SN 97 dB at 1 W into 8 ohms. Optional rack mounting; wood and black acrylic finishes. 5-yr warranty \$1,995/pr

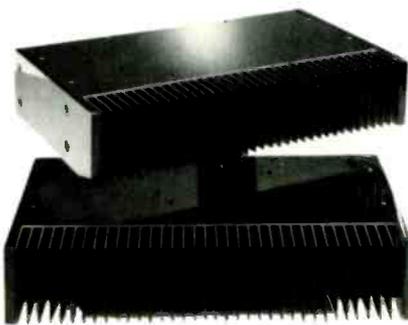
Studio IV. As above, 2 channels. Gold-plated inputs and 5-way binding posts. 100 W x 2 into 8 ohms with 1% THD. Slew rate 100 V/ μ s; SN 92 dB at 1 W into 8 ohms. 5-yr warranty. 22 lb \$1,095

QSC AUDIO

All QSC amplifiers feature a 3-yr warranty.

Series One

Series One amplifiers feature a fully complementary circuit design, DC-offset and short-circuit protection, balanced inputs, accessory-module inputs, a mono-bridging switch, 1/4-in RTS, XLR, and barrier-strip input connectors, direct-mounted power transistors, calibrated gain controls, and clipping indicators.



PSE Studio IV

Model 1700 325-W/ch Amplifier

2 channels. Auto 2-speed cooling fan. 325 W x 2 cont avg into 8 ohms or 300 x 2 cont avg into 4 ohms. FR 20-20,000 Hz -1 dB at 1 W; THD 0.1%; slew rate 21 V/ μ s; damping factor 200; dynamic headroom 1.9 dB. 19 x 7 x 10 3/4 in; 54 lb \$1,248

Model 1400 200-W/ch Amplifier

2 channels. Auto 2-speed cooling fan. 200 W x 2 cont avg into 8 ohms or 300 x 2 cont avg into 4 ohms. FR 20-20,000 Hz -1 dB at 1 W; THD 0.1%; slew rate 18 V/ μ s; damping factor 200; dynamic headroom 2 dB. 19 x 5 1/4 x 9 1/2 in; 34 lb \$798

Model 1200 100-W/ch Amplifier

2 channels. 100 W x 2 cont avg into 8 ohms or 150 x 2 cont avg into 4 ohms. FR 20-20,000 Hz -1 dB; THD 0.1%; slew rate 12 V/ μ s; damping factor 200; dynamic headroom 2 dB. 19 x 5 1/4 x 9 1/2 in; 24 lb \$598

Model 1100 50-W/ch Amplifier

2 channels. Toroidal transformer; large heat sinks. 2 headphone jacks. 50 W x 2 cont avg into 8 ohms or 70 x 2 cont avg into 4 ohms. FR 20-20,000 Hz ± 0 , -1 dB at 1 W; THD 0.1%; slew rate 14 V/ μ s; damping factor 200; dynamic headroom 2 dB \$568

MX Series

The following feature short-circuit and DC-offset protection, 1/4-in RTS and barrier-strip input connectors, a subsonic filter, and LED status indicators.

MX 2000a 650-W Mono Amplifier

1 channel. Features 2-speed cooling fan; mono-bridging/parallel switch. 650 W x 1 cont avg into 4 ohms. 1,000 x 1 cont avg into 2 ohms. FR 20-20,000 Hz ± 0.1 dB; THD 0.05%; damping factor 200; dynamic headroom 3 dB at 4 ohms; SN 100 dB; sens 1.07 V (rms) at 8 ohms. 19 x 5 1/4 x 18 in; 54 lb \$1,498

MX 1500a 500-W/ch Amplifier

2 channels. Features low profile (2 rack spaces); 2-speed cooling fan. Recessed front panel controls; mono-bridging/parallel switch. 500 W x 2 cont avg into 4 ohms or 750 x 2 cont avg into 2 ohms. FR 20-20,000 Hz ± 0.1 dB; THD 0.05%; damping factor 200; dynamic headroom 3 dB at 4 ohms; sens 1.05 V (rms) at 8 ohms. 19 x 3 1/2 x 18 in; 42 lb \$1,098

MX 1000a. As above, 350 W x 2 cont avg into 4 ohms or 500 x 2 into 3 ohms. Sens 1.12 V (rms) at 8 ohms \$898

MX 700 150-W/ch Amplifier

2 channels. Features low profile (2 rack spaces) chassis; direct-mounted power transistors; 2-speed cooling fan. 150 W x 2 cont avg into 8 ohms, 225 x 2 cont avg into 4 ohms or 350 x 2 into 2 ohms. FR 20-20,000 Hz ± 0.25 dB; THD 0.1% from 20-20,000 Hz; damping factor 200; dynamic headroom 3 dB at 4 ohms; sens 0.96 V (rms) at 8 ohms. 19 x 3 1/2 x 12 in; 25 lb \$598

EX Series

EX Series amplifiers feature thermal protection, gain controls with 2-dB steps, LED status indicators, XLR

and barrier-strip balanced-input connectors, and 5-way binding posts.

EX 4000 720-W/ch Amplifier

2 channels. Fully complementary 3-step output stage. 720 W x 2 continuous average into 8 ohms or 1,000 x 2 continuous average into 4 ohms. Frequency response 20-20,000 Hz ± 0.1 dB; damping factor 200; dynamic headroom 3 dB. 19 x 5 1/4 x 18 in; 64 lb \$2,298

EX 2500 500-W/ch Amplifier

2 channels. Fully complementary 2-step output stage. 500 W x 2 cont avg into 8 ohms or 750 x 2 cont avg into 4 ohms. FR 20-20,000 Hz ± 0.1 dB; damping factor 200; dynamic headroom 3 dB. 19 x 5 1/4 x 18 in; 55 lb \$1,898

EX 1600 400-W/ch Amplifier

2 channels. Fully complementary 2-step output stage. 400 W x 2 cont avg into 8 ohms or 600 x 2 cont avg into 4 ohms. FR 20-20,000 Hz ± 0.1 dB; damping factor 200; dynamic headroom 3 dB. 19 x 3 1/2 x 18 in; 44 lb \$1,498

EX 1250 275-W/ch Amplifier

2 channels. Fully complementary 2-step output stage. 275 W x 2 cont avg into 8 ohms or 400 x 2 cont avg into 4 ohms. FR 20-20,000 Hz ± 0.1 dB; damping factor 200; dynamic headroom 3 dB. 19 x 3 1/2 x 18 in; 42 lb \$1,198

EX 800 175-W/ch Amplifier

2 channels. Fully complementary Class AB output stage. 175 W x 2 cont avg into 8 ohms or 275 x 2 cont avg into 4 ohms. FR 20-20,000 Hz ± 0.1 dB; damping factor 200; dynamic headroom 2 dB. 19 x 3 1/2 x 18 in; 40 lb \$948

Accessory Modules

AT-1. Precision-stepped attenuator and input transformer \$128

UF-1. Universal, high-pass, low-pass, and CD equalization \$98

XH-1. 2-way 24 dB/oct active crossover. Selectable above 500 Hz \$98

XL-1. 2-way 24 dB/oct active crossover. Selectable below 500 Hz \$98

OT-300. 300-W, 70-V output autotransformer \$98

PL-1. Power limiter. Adjustable rate, attack/release, and threshold \$78

T-1. Input balancing/isolation transformer \$78

MX-1. For MXa series amps; adds 2 female XLR inputs and four 1/4-in jacks (2 per channel) \$48

QUAD

Model 606 140-W/ch Amplifier

2 channels. Combines Class A operation with Class B. Features feed-forward error correction; current-regulated power supply. 140 W x 2. THD 0.01% at 1,000 Hz; FR 20-20,000 Hz ± 0 , -0.25 dB. 12 3/4 x 5 1/2 x 9 1/2 in; 27 lb \$1,495

Model 306 60-W/ch Amplifier

2 channels. Combines Class A operation with Class B. Features feed-forward error correction; current-regulated power supply. 60 W x 2. THD 0.01% at 1,000 Hz; FR 20-20,000 Hz ± 0 , -0.25 dB. 12 3/4 x 2 3/4 x 8 1/4 in; 11 lb \$795

QUICKSILVER

Model 135 135-W Mono Tube Amplifier

1 channel. Features hand wiring; six EL34's, one 12AU7, and one 12FQ7 tube. Front panel meter and bias controls. 135 W x 1 into 4/8 ohms from 20-20,000 Hz. 70 lb \$3,250

Silver. As above with matched pair KT88's, 12AX7, 12BH7, 5AR4 tubes. 90 W cont x 1 into 4/8 ohms from 20-20,000 Hz. 9 3/4 x 6 x 15 3/4 in; 37 lb \$1,150

KT-88. As above, with two KT88's, two 12FQ7's, and two 5AR4 tubes. 60 W cont x 1 into 4/8 ohms from 20-20,000 Hz. 9 1/4 x 6 x 14 3/8 in; 30 lb \$948

ROTEL

RB990BX 200-W/ch Amplifier

2 channels. Features power transformers with separate rectifiers and filter capacitors. 200 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. FR 4-100,000 Hz +0.5 dB, -3 dB; S/N 120 dB (IHF A); damping factor 1,000 into 8 ohms from 20-20,000 Hz. 17 $\frac{3}{8}$ x 4 $\frac{3}{4}$ x 14 $\frac{3}{4}$ in; 32.5 lb \$1,100

RB980BX. As above, 120 W x 2 or 360 x 1 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD. 17 $\frac{3}{8}$ x 4 $\frac{3}{4}$ x 12 $\frac{3}{4}$ in; 22.4 lb \$600

RB960BX 60-W/ch Amplifier

2 channels. Features dual power transformers with separate rectifiers and filter capacitors. 60 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD or 180 x 1 cont avg into 8 ohms. FR 15-100,000 Hz +0, -1 dB; S/N 116 dB (IHF A); damping factor 280 into 8 ohms from 20-20,000 Hz \$370

JEFF ROWLAND

Model 9 300-W Mono Amplifier

1 channel. Features AC power supply in separate chassis; 20 insulated-gate bipolar output transistors; four 750-VA toroidal transformers; no negative feedback. 2 unbalanced RCA and 2 balanced XLR inputs; 2 pair binding posts. 300 W x 1 into 8 ohms, 600 x 1 into 4 ohms, or 900 x 1 into 2 ohms. Bandwidth 0.1-160,000 Hz; slew rate 50 V/ μ s; damping factor 300 from 20-20,000 Hz. Amp: 17 $\frac{1}{2}$ x 11 $\frac{3}{8}$ x 22 in; 90 lb. Power supply: 17 $\frac{1}{2}$ x 11 $\frac{3}{8}$ x 22 in; 135 lb . . \$22,000 With DC power supply. 100 W x 2 into 8 ohms, 200 x 2 into 4 ohms, or 300 x 2 into 2 ohms \$27,000

Model 8 200-W/ch Amplifier

2 channels. FET front-end circuitry and bipolar outputs; no negative feedback; toroidal power supply. Unbalanced RCA and balanced XLR inputs. Selectable 26/32-dB gain; input mute and phase switches. 200 W x 2 cont avg into 8 ohms, 400 x 2 into 4 ohms, or 600 x 2 into 2 ohms. Bandwidth 0.1-200,000 Hz; THD 0.02% at 1,000 Hz; slew rate 100 V/ μ s; damping factor 250; S/N 120 dB \$8,800

Model 1 60-W/ch Amplifier

2 channels. Features differential FET circuitry; 600-VA toroidal transformer. Single-ended balanced inputs. Selectable gain. 60 W cont avg x 2 into 8 ohms, 120 x 2 into 4 ohms, or 215 x 2 into 2 ohms. FR 0.3-300,000 Hz +3 dB; THD 0.25% at 1,000 Hz; slew rate 70 V/ μ s; damping factor 200 from 20-20,000 Hz; input imp 600, 20 kilohms or 100 kilohms \$3,100

SESCOM

SH-1 MkII 10-W/ch Headphone Amplifier

2 channels. Features power supply with low-flux-field toroidal power transformer. Headphone jack; RCA phono jack; binding posts; one 3-pin male XLR for connection to SHB-1. Front-panel level controls. 10 W x 2 cont avg into 8 ohms; FR 20-20,000 \pm 1 dB; distortion 0.1%; S/N 93 dB. 19 x 1 $\frac{3}{4}$ x 5 in. . . . \$315

SHB-1 MkII. Connector box for above. Features looping inputs and outputs with male/female XLR connectors and RTS jacks; six headphone outputs with isolation resistors \$125

PO-3 2-W/ch Headphone Amplifier

2 channels. Features two front-panel volume controls; two RCA phono jacks; two $\frac{1}{4}$ -in speaker jacks. 2 W x 2 into 8 ohms for -10 dBV level; input imp 10 kilohms. Requires PO-1 power supply \$92

SONANCE

Sonamp 260 60-W/ch Amplifier

2 channels. Features discrete circuitry; short-circuit protection; 2-ohm stability. Input level controls; RCA line-level output; 5-way binding posts. Defeatable remote-turn-on lead; status indicator lights. 60 W x 2 cont avg into 8 ohms. 16 $\frac{3}{4}$ x 3 $\frac{1}{2}$ x 12 $\frac{1}{2}$ in . . . \$349

Sonamp 260x3. As above, with switching for 3 speaker pairs \$399



Rotel RB990BX

SONETIC

SA Series

SA-650 365-W/ch Amplifier

2 channels. Features fully complementary design; 2-speed cooling fan; short-circuit and DC-offset protection; subsonic filter; direct-mounted power transistors. Active balanced inputs; $\frac{1}{4}$ -in RTS and barrier-strip input connectors. Clipping indicators; mono-bridging switch. 365 W x 2 into 8 ohms. Dynamic headroom 1.9 dB at 8 ohms; sens 34 dB; FR 20-20,000 Hz +0, -1 dB; damping factor 200 W at 8 ohms. 19 x 7 x 10 $\frac{7}{8}$ in; 54 lb \$998

SA-425. As above, 240 W x 2. Sens 32 dB. 19 x 5 $\frac{1}{4}$ x 9 $\frac{1}{2}$ in; 34 lb \$698

SA-185. As above, without 2-speed fan. 110 W x 2. Sens 29 dB. 19 x 5 $\frac{1}{4}$ x 9 $\frac{1}{2}$ in; 24 lb \$578

SONOGRAPHE

SA150 120-W/ch Amplifier

2 channels. Features MOSFET output stage. 120 W x 2 into 8 ohms. 17 x 5 $\frac{1}{4}$ x 13 in \$995

SONY

ES Series

TA-N80ES 200-W/ch Amplifier

2 channels. Features discrete output transistors in triple push-pull configuration; anodized heat sinks; 520-VA power transformer; resin-cast power-supply capacitors; 2 protection circuits. Fixed and variable inputs; balanced XLR inputs. AB speaker switching; variable L/R input sens. 200 W x 2 cont into 8 ohms from 20-20,000 Hz with 0.004% THD, 270 x 2 cont into 4 ohms from 20-20,000 Hz with 0.006% THD, or 580 x 1 bridged into 8 ohms from 20-20,000 Hz with 0.007% THD. Dynamic headroom 2.8 dB at 4 ohms; damping factor 100 into 8 ohms at 1,000 Hz. Simulated-wood side panels. 18 $\frac{5}{8}$ x 7 $\frac{3}{8}$ x 17 $\frac{3}{8}$ in; 52.9 lb \$1,200

TA-N55ES 110-W/ch Amplifier

2 channels. Features discrete output transistors in push-pull configuration; resin-cast power-supply capacitors; 2 protection circuits. Fixed and variable inputs. AB speaker switching. 110 W x 2 cont into 8 ohms from 20-20,000 Hz with 0.004% THD, 150 x 2 cont into 4 ohms from 20-20,000 Hz with 0.006% THD, or 300 x 1 into 8 ohms from 20-20,000 Hz with 0.007% THD. Dynamic headroom 2.8 dB at 4 ohms; damping factor 100 into 8 ohms at 1,000 Hz. Simulated-wood side panels. 18 $\frac{5}{8}$ x 6 x 14 $\frac{1}{2}$ in \$500

TA-N220 180-W Amplifier

4 channels. 4 banana-plug speaker terminals. 2 input-sens controls; status indicators. 45 W x 4, 100 x 2, or 45 x 2 + 100 x 1 cont into 8 ohms from 20-20,000 Hz with 0.08% THD. FR 7-100,000 Hz +0, -2 dB; S/N 90 dB. Simulated-wood side panels. 18 $\frac{5}{8}$ x 5 $\frac{3}{8}$ x 14 $\frac{1}{2}$ in; 20.4 lb \$350

SOUND ENGINEERING

PFM-3B 150-W/ch Power Amplifier

2 channels. MOSFET amplifier. Features high damping. 150 W x 2 \$2,150

SOUNDSTREAM

DA-1 THX 200-W Mono Amplifier

1 channel. Features discrete Darlingston transistor circuitry. Dual overload indicators. 200 W x 1 into 8 ohms or 300 x 1 into 4 ohms. FR 20-20,000 Hz \pm 0.01 dB; bandwidth 2-100,000 Hz; slew rate 35 V/ μ s; S/N 110 dB; dynamic headroom 3 dB. 5 $\frac{7}{8}$ x 17 x 14 in; 35 lb \$1,195

SA-100 50-W/ch Amplifier

2 channels. Features hideaway design for multiroom applications; 1-ohm stability. Remote speaker switching via RSS-2 selector. 50 W x 2 into 4 ohms, 90 x 2 into 2 ohms, or 180 x 1 into 4 ohms \$399

SPECTRASCAN

BPA-1Q1B 100-W/ch Amplifier

2 channels. Features proprietary multiple feedback loops; DC-coupling with highly regulated power supply; protection circuitry. L/R clipping indicators. 100 W x 2 or 350 x 1 into 8 ohms, 174 x 2 into 4 ohms. FR 2-120,000 Hz; THD 0.07%; S/N 98 dB; IM 0.07%; slew rate 40 V/ μ s; damping factor 200. 19 x 5 $\frac{1}{4}$ x 14 in; 40 lb \$1,895

STAX KOGYO

DMA-X2 600-W Mono Amplifier

1 channel. Class A circuitry; 2 non-NFB dynamic power supplies in output stage; balanced amplification with DC servo; subsonic filter. Balanced and unbalanced inputs. Variable sens. 600 W x 1 into 8 ohms with 0.1% THD. FR 0.8-220,000 Hz; S/N 116 dB. 18 $\frac{1}{4}$ x 9 $\frac{1}{8}$ x 21 $\frac{7}{8}$ in; 104 lb \$30,000/pr

SUMO

The Ten 100-W/ch Amplifier

2 channels. Class A MOSFET design. Proprietary MOSFET linearization circuit; no negative feedback. Four sets of gold-plated binding posts for biwiring; balanced XLR or single-ended RCA inputs. 100 W x 2 into 8 ohms or 350 x 1 into 4 ohms with 0.1% THD. Damping factor 100. 19 x 7 x 22 $\frac{1}{2}$ in \$2,599

Andromeda II 240-W/ch Amplifier

2 channels. Class AB MOSFET design; fully balanced path from input to output; pure Class A operation except for Class AB output stage. 240 W x 2 into 8 ohms, 400 x 2 into 4 ohms. THD 0.05% into 8 ohms, 0.1% into 4 ohms; rise time 2 μ s; slew rate 115 V/ μ s; damping factor 500. 19 x 7 x 16 $\frac{3}{4}$ in; 55 lb . . \$1,599

Polaris II 120-W/ch Amplifier

2 channels. Class AB MOSFET design. Features proprietary MOSFET linearization circuit; pure Class A gain stage. 120 W x 2 or 350 x 1 into 8 ohms. 50 amperes peak/ch; THD 0.05% into 8 ohms, 0.1% into 4 ohms; rise time 2 μ s; damping factor 500. 19 x 5 $\frac{1}{4}$ x 10 in; 35 lb \$799

Ulysses 60-W/ch Amplifier

2 channels. Class AB MOSFET design. Proprietary Class-A gain stage. 60 W x 2 or 180 x 1 into 8 ohms. FR 20-20,000 Hz; THD 0.05%; input Imp 47 kilohms; damping factor 500; slew rate 85 V/ μ s; rise time 2 μ s. 19 x 3 $\frac{1}{2}$ x 13 in; 25 lb \$579

SUPERPHON

SA-120 60-W/ch Amplifier

2 channels. Symmetrical circuitry in dual-mono configuration; high slew-rate differential Class A gain circuit; 40,000- μ F storage capacitance; OFHC Teflon-insulated wiring. Gold-plated RCA connectors; 5-way binding posts. 17 x 4 $\frac{1}{4}$ x 12 $\frac{1}{2}$ in; 18 lb \$499

SYMETRIX

A220 20-W/ch Amplifier

2 channels. Dual-tracking, dual independent, or bridged-mono modes. Designed for near-field monitoring and headphones. Balanced and unbalanced inputs; barrier strip terminals. 20 W x 2 or 40 x 1 into 8 ohms \$349

TARA LABS

Passage Power 100-W/ch Tube Amplifier

2 channels. Vacuum-tube input and driver stages; dual-mono construction; MOSFET output stage. 12AU7 vacuum tubes; Space & Time wiring; gold-plated RCA connectors and binding posts. 100 W x 2 into 8 ohms. FR 1-100,000 Hz \$1,250

THRESHOLD

SA/12e Stasis 250-W Mono Amplifier

1 channel. Features JFET in front-end signal path; binary topology with Class-A voltage amp; proprietary optical-bias technology; DC-coupled front-end gain stages biased for Class-A operation at all signal levels; 64 high-speed 250-W output devices/ch; two 1,200-W toroidal transformers; thermal protection circuitry. Unbalanced RCA and 600-ohms balanced XLR. 250 W x 1 into 8 ohms with 0.1% THD. Slew rate 50 V/ μ s; 70 amperes/ch cont, 200 amperes/ch max; S/N 100 dB. 19 x 8 $\frac{3}{4}$ x 27 in; 120 lb \$7,200

SA 4e Stasis 100-W/ch Amplifier

2 channels. Features Class-A operation; 24 high-speed 250-W output devices/ch; two 800-W toroidal transformers; 31,000- μ F front-end decoupling/ch. 100 W x 2 into 8 ohms with 0.1% THD. 35 amperes/ch cont, 120 amperes/ch max \$6,300

S/550e Stasis 250-W/ch Amplifier

2 channels. 24 high-speed 250-W output devices/ch; two 800-W toroidal transformers; 31,000- μ F front-end decoupling/ch. 250 W x 2 into 8 ohms with 0.1% THD. Slew rate 50 V/ μ s; 30 amperes/ch cont, 100 amperes/ch max; output imp 0.03 ohm from 20-20,000 Hz. 19 x 8 $\frac{3}{4}$ x 23 $\frac{1}{4}$ in; 97 lb \$6,300

SA/10e Stasis 175-W Mono Amplifier

1 channel. Class-A operation; single 1,200-W toroidal transformer; 62,000- μ F front-end decoupling; 44 high-speed 250-W output devices. 175 W x 1 into 8



VAC PA60C

ohms with 0.1% THD. 60 amperes/ch cont, 200 amperes/ch max. 19 x 8 $\frac{3}{4}$ x 17 $\frac{1}{4}$ in; 79 lb \$5,200

S/450e Stasis 200-W/ch Amplifier

2 channels. Features single 1,200-toroidal transformer; 31,000- μ F front-end decoupling/ch; 22 high-speed 250-W output devices/ch. 200 W x 2 into 8 ohms with 0.1% THD. 30 amperes/ch cont, 120 amperes/ch max. 19 x 8 $\frac{3}{4}$ x 17 $\frac{1}{4}$ in; 79 lb \$5,200

SA 6e Stasis 125-W Mono Amplifier

1 channel. Features Class-A operation; single 800-W toroidal transformer; 1,900- μ F front-end decoupling; 28 high-speed 250-W output devices. 125 W x 1 into 8 ohms with 0.1% THD. 50 amperes/ch cont, 135 amperes/ch max. 19 x 8 $\frac{3}{4}$ x 13 $\frac{1}{4}$ in; 56 lb \$3,950

SA/3.9e Stasis 60-W/ch Amplifier

2 channels. Features Class-A operation; single 800-W toroidal transformer; 950- μ F front-end decoupling/ch; 14 high-speed 250-W output devices/ch. 60 W x 2 into 8 ohms with 0.1% THD. 30 amperes/ch cont, 95 amperes/ch max. 19 x 8 $\frac{3}{4}$ x 13 $\frac{1}{4}$ in; 56 lb \$3,490

S/350e Stasis 150-W/ch Amplifier

2 channels. Features single 800-W toroidal transformer; 950- μ F front-end decoupling/ch; 14 high-speed 250-W output devices/ch. 150 W x 2 into 8 ohms with 0.1% THD. 25 amperes/ch cont, 100 amperes/ch max \$3,490

VAC

The following amplifiers use an external 6 x 7 $\frac{3}{4}$ x 16-in power supply.

PA90C 90-W Mono Tube Amplifier

1 channel. Features switchable triode operation via 4 Golden Dragon EL34 tubes; Class A circuitry; fully-regulated power supply; low 8-dB-feedback design; hand wiring. 90 W x 1 into 8, 4, or 2 ohms. Black-lacquer finish. 140 lb \$5,190/pr

PA60C 60-W Mono Tube Amplifier

1 channel. Features switchable triode operation via 4 Golden Dragon EL34 tubes; Class A circuitry; fully-regulated power supply; low 8.3-dB-feedback design; hand wiring. Balanced inputs, bias meter, and energy-storage module optional. 60 W x 1 into 8, 4, or 2 ohms with 0.35% THD. FR 12-58,000 Hz +0, -0.5 dB. Black-lacquer finish. 140 lb \$4,690/pr
PA45C. As above, 45 W x 1. 122 lb \$4,290
PA60C Stereo. Stereo version of PA60C. 60 W x 2. 105 lb \$3,890
PA45C Stereo. As above, 45 x 2. 87 lb \$3,490

Vintage Series

Model 70 70-W Mono Tube Amplifier

1 channel. Features one 12AX7A, one 12AU7A, and four Golden Dragon EL34 tubes. 70 W x 1 into 8 ohms. 6 x 7 $\frac{3}{4}$ x 16 in; 75 lb \$2,690/pr

Williamson 35-W/ch Tube Amplifier

2 channels. Features Williamson-type circuitry with four 12AU7A and four Golden Dragon EL34 tubes; extended headroom. 35 W x 2 into 8, 4, or 2 ohms. 6 x 7 $\frac{3}{4}$ x 16 in; 40 lb \$1,790

WOLCOTT

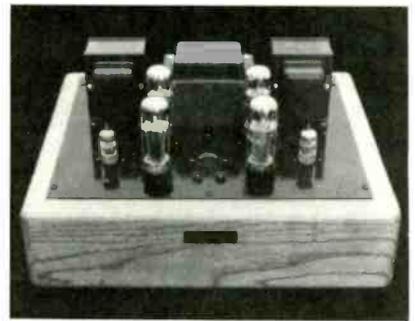
Presence 175-W Mono Tube Amplifier

1 channel. Features microprocessor and 8-bit D/A converter; vacuum-tube signal path; negative/positive feedback design; AC coupled stage; tertiary winding; identical open/closed loop internal bandwidth. 175 W x 1 into 8 ohms or 200 x 1 into 4 or 2 ohms. FR 20-20,000 Hz +0.5 dB; THD 0.05%; damping factor 100 dB at 20,000 Hz; S/N 100 dB; gain 26 dB. \$3,000

WOODSIDE/RADFORD

MA50 50-W Mono Tube Amplifier

1 channel. Class A design; pentode-triode phase splitter; isolated regulated power supplies; 12-am-



Wright Audio P-75A

pere peak output. 50 W x 1 cont avg into 8 ohms or 75 x 1 into 4 ohms from 20-20,000 Hz with 0.2% THD. S/N 95 dB. 16 $\frac{3}{4}$ x 8 $\frac{3}{4}$ x 10 $\frac{3}{4}$ in; 36 lb \$4,495/pr

STA35 35-W/ch Tube Amplifier

2 channels. Class AB design; pentode-triode phase splitter; isolated regulated power supplies; 12-ampere peak output. 35 W x 2 cont avg into 8 ohms or 50 x 2 into 4 ohms from 20-20,000 Hz with 0.2% THD. S/N 90 dB. 16 $\frac{3}{4}$ x 8 $\frac{3}{4}$ x 10 $\frac{3}{4}$ in; 36 lb \$2,395

WRIGHT AUDIO

P-75A 40-W/ch Tube Amplifier

2 channels. Features hand wiring; choke-filtered 800-mF power supply. Binding posts. 40 W x 1 into 8 ohms. Sens 1.4 V input for 40 W output. Solid red-oak base. 3-year warranty \$785

YAMAHA

MX-2000 130-W/ch Amplifier

2 channels. Class A design using 8 MOSFET's; 3 independent power supplies; error-correction system; copper-plated chassis with 2-box construction. Analog peak-level meters. 130 W x 2 into 8 ohms with 0.003% THD or 600 x 2 into 1 ohm \$1,899

MX-1000U 260-W/ch Amplifier

2 channels. Features 600,000- μ F power-supply capacitance; banana-plug output terminals. A/B/C speaker switching; independent L/R level controls; 4-digit numerical power-output display; 26-segment LED power-level meters; LED meter and digital peak-hold display. 260 W x 2 into 8 ohms with 0.003% THD \$1,199

MX-830 170-W/ch Amplifier

2 channels. Features banana-plug output terminals. A/B/C speaker switching; independent L/R level controls; clipping indicators. 170 W x 2 into 8 ohms or 600 x 1 into 1 ohm. THD 0.003% \$699

MX-630 135-W/ch Amplifier

2 channels. Features banana-plug output terminals. A/B speaker switching; independent L/R level controls; clipping indicators. 135 W x 2 into 8 ohms or 500 x 1 into 1 ohm. THD 0.003% \$499

MX-460 80-W/ch Amplifier

2 channels. Features input-to-output symmetrical design; direct ground-sensing circuit; dual extruded heat sinks. 5-way binding posts. A&B speaker switching; independent L/R level controls. 80 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.012% THD. S/N 123 dB. 17 $\frac{1}{8}$ x 5 $\frac{7}{8}$ x 15 $\frac{3}{8}$ in; 25 lb \$349

MX-35 80-W Amplifier

4 channels. Features independent level controls. 20 W x 4 with 0.07% THD or 40 x 2 with 0.05% THD both into 8 ohms from 20-20,000 Hz \$299

MX-M70 50-W Mono Amplifier

1 channel. Designed to power center-channel speaker. Features clipping indicator. 50 W x 1 rms into 8 ohms from 20-20,000 Hz with 0.03% THD. S/N 117 dB \$199

ACOUSTIC RESEARCH

Limited Preamplifier

Features XLR and RCA connectors. 15 lb ... \$1,200

ACURUS

L10 Preamplifier

6 inputs; 2 outputs; gold-plated connectors. Features discrete Class A circuitry; polypropylene capacitors; silver-to-silver switch contacts; glass-epoxy circuit board; 1% metal-film resistors. 17 x 3 x 9 in. ... \$595

ADCOM

GFP-565 Preamplifier

5 line-level inputs; 1 MM/MC phono input; 3 outputs including 1 direct-coupled output; signal-processor loop. Features Class A circuitry; 1% Roederstein metal-film resistors and metallized-film capacitors on double copper-plated, glass-epoxy printed circuit board; separate headphone amplifier. Rec-out selector; loudness control. FR 5-90,000 Hz ± 0.5 dB; THD 0.009% phono, 0.0025% line; S/N 95 dBA phono, 100 dBA line; ch sep 75 dB at 1,000 Hz. Black. 17 x 3 x 11 $\frac{3}{8}$ in; 11 lb ... \$800
GFP-565W. As above, white front panel ... \$850

GTP-500II Preamplifier/Tuner

4 line-level inputs; MM phono input; AC- and DC-coupled outputs. Features 1% Roederstein resistors in all critical applications; quartz-referenced digital-synthesis tuning; high-blend circuit. Auto up/down scan; 8 AM FM presets; 5-LED signal-strength display; remote control. Remote sensor for multiroom applications optional. FR 5-65,000 Hz ± 0.5 dB; S/N 85 dBA phono; IM 0.0015%. FM: THD 0.09% at 1,000 Hz stereo; S/N 75 dB stereo; ch sep 52 dB at 1,000 Hz. 17 x 3 $\frac{1}{4}$ x 12 $\frac{3}{4}$ in; 16 lb ... \$600
GTP-500IIW. As above, white front panel ... \$650

GFP-555II Preamplifier

5 line-level inputs; MM and MC phono inputs; AC- and DC-coupled outputs; bypass output; signal-processor loop. Features two-sided copper-plated circuit board; 1% Roederstein resistors and film capacitors throughout; switchable phono input capacitance and gain; separate headphone amp. Tape dubbing; rec-out selector. FR 5-85,000 Hz ± 0.5 dB; S/N 90 dBA phono, 100 dBA line; THD 0.02% phono, 0.003% line. 17 x 3 x 11 $\frac{3}{8}$ in; 11.5 lb ... \$500
GFP-555W. As above, white front panel ... \$550

GTP-400 Preamplifier/Tuner

MM/MC phono input. Features Class A phono stages. 8 AM FM station presets; rec-out selector; tone control. THD 0.01%; IM 0.005%; FR 20-20,000 Hz ± 0.1 dB; S/N: 80 dB phono, 95 dB line. FM: 50-dB quieting sens 13.5 dBf mono, 37 dBf stereo; cap ratio 1.7 dB; THD 0.1% at 1,000 Hz stereo; S/N 80 dB mono, 75 dB stereo; FR 30-15,000 Hz ± 0.5 dB. 17 x 3 $\frac{1}{4}$ x 12 $\frac{3}{4}$ in; 15 lb ... \$399
GTP-400W. As above, white ... \$450

Accessories

XR-500II. Remote sensor for GTP-500II ... \$90
RM-3. Rack-mount adaptors for GFP-555II and GTP-500II ... \$20/pr
RM-3W. As above, white ... \$25/pr

AIR TIGHT

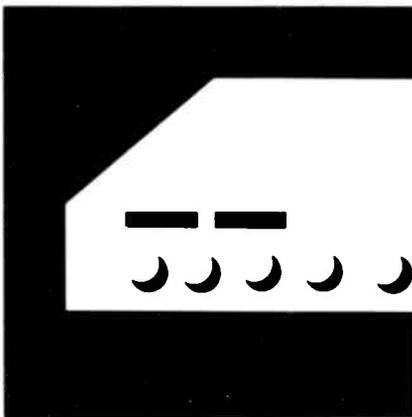
ATC-1 Tube Preamplifier

Phono and line-level inputs. Features five 12AX7 tubes for output stage; 3-stage K-K NF configuration equalizer; single-stage flat amp; B-power supply; no printed circuit boards; OFC wiring; EI-core power transformer. THD 0.05% phono, 0.02% line; S/N 85 dB phono, 98 dB line ... \$2,900

AMC

AV81 A/V Preamplifier

8 audio inputs, 4 composite-video inputs. Features buffered video and record outputs. Rec-select



switch; remote-controlled source selection. THD 0.01%; bandwidth 0-180,000 Hz; 16.5 dB gain at 1,000 Hz; S/N 95 dBA ... \$500

AMERICAN HYBRID TECHNOLOGY

AHT/H Preamplifier. One tape-monitor loop; balanced output optional. FR 1-1,000,000 Hz; THD 0.0015% ... \$3,300

ARAGON

Aurum Preamplifier

Features Class A circuitry; dual-mono design. Teflon dielectric wiring. Penny and Giles volume control. 19 x 3 $\frac{1}{2}$ x 14 in ... \$1,750

Model 18K Preamplifier

6 inputs; 2 outputs. Class A circuitry; dual-mono DC power supply; gold-plated chassis-mounted input/output connectors. 19 x 3 x 11 in ... \$995

ARCAM

Delta 110 Digital Preamplifier

1 coaxial and 1 fiber-optic digital inputs; 5 analog inputs; MC/MM phono inputs; 2 tape-monitor loops. Features 1-bit D/A converter; separate toroidal power transformers for digital and analog sections; standby mode. Record-out selector; switching for 2 speaker pairs; remote control ... \$1,500
Delta 110S. As above, without digital inputs. One additional analog input ... \$1,100

AUDIO ALCHEMY

PCM Preamplifier. Features silver rotary source and mode switches; plastic rotary attenuator ... \$399

AUDIO by VAN ALSTINE

FET-Valve Tube Preamplifier

Phono inputs: 2 tape-monitor loops; 3 line-level inputs; selectable signal-processor loop; headphone jack. Features hybrid vacuum tube/MOSFET design; voltage and current-overload protection; toroidal transformer; regulated power supplies. Volume, balance, speaker-switching, and tone controls. 13 $\frac{1}{2}$ x 4 $\frac{1}{2}$ x 12 $\frac{1}{2}$ in; 11 lb ... \$1,195

Super Pas Four Omega Tube Preamplifier

Gold-plated phono input; 5 gold-plated line-level inputs; 2 tape-monitor loops; headphone jack. Features straight-line vacuum-tube voltage gain circuits followed by solid-state current drivers; toroid transformer; regulated power supplies; 240-V operation. Volume and balance controls; ceramic selector switch. Black anodized faceplate ... \$845
 Kit ... \$595

Transcendence Two Preamplifier

2 tape-monitor loops; switchable processor loop; headphone jack. Solid-state design with current-

source FET input pairs; Class A current-source pre-drivers; hybrid current amplifiers in feedback loop; regulated power supply. Chassis-mounted; defeatable tone controls; speaker selector switch. 13 $\frac{1}{2}$ x 4 $\frac{1}{2}$ x 12 $\frac{1}{2}$ in; 11 lb ... \$795
 Optional phase inverter circuits ... \$100

AUDIO DESIGN ASSOCIATES

DSP-8 Preamplifier

5 balanced inputs; 3 balanced tape loops; 1 signal-processor loop; digital source switching input; 2 outputs; 8 source-pulse outputs. Volume, balance, bass, mid, treble, source, and tape-monitor controls; 1 switched outlet. Input imp 47 kilohms; max input level ± 10 V; output imp 1,000 ohms; max output level ± 10 V; FR 5-30,000 Hz ± 3 dB; THD 0.05%; S/N 90 dB. 3 $\frac{1}{2}$ x 19 x 11 $\frac{1}{4}$ in; 8 lb ... \$1,095

ADP-8 Preamplifier

5 inputs; 3 tape loops; 1 signal-processor loop; 2 outputs. Volume, balance, bass, mid, treble and source controls; 1 switched AC outlet. Input imp 47 kilohms; max input ± 8 V; output imp 100 ohms; max output ± 12 V; FR 20-20,000 Hz ± 0.25 dB; THD 0.05%; S/N - 85 dB. 3 $\frac{1}{2}$ x 19 x 11 $\frac{1}{4}$ in; 8 lb ... \$995

AUDIO INNOVATIONS

Series #00/II MC Tube Preamplifier

MC/MM phono inputs. FR 20-50,000 Hz; S/N 65 dB MC, 70 dB MM ... \$2,195

L2 Tube Preamplifier

Line-level inputs. Features zero-feedback design; anode-follower circuits; regulated filament supplies; switchable input sens (170 mV rms high, 530 mV rms low). FR 9-100,000 Hz; input impedance 50 kilohms. 15 lb ... \$1,695
P2. As above, with MM phono input ... \$1,695

Series 200MM Tube Preamplifier

MM phono inputs; 3 line-level inputs; tape-monitor loop; 2 outputs. Passive line-level output stage; Noble plastic-film potentiometers; Beyschlag low-magnetic metal-film resistors; 6-ohm output imp. FR 30-20,000 Hz; S/N 60 dB MM; sens 4.6 mV MM ... \$895
Series 200MC. As above, MC/MM phono inputs. S/N 50 dB MC ... \$995

Series 1000 Preamplifier

Passive line preamp. 2 x 5 x 6 in; 1 lb ... \$395
 With silver wiring and CD-line transformer ... \$1,495
 With CD-line transformer ... \$1,195
 With silver wiring ... \$795

AUDIOLAB

Model #000C MkII Preamplifier

MM, MC phono inputs; 2 tape-monitor loops. Class A operation; current mirror bias. Rec-out selectors; defeatable phase-compensated tone controls; muting switch. FR 20-20,000 Hz ± 0.5 dB; S/N 92 dB line, 81 dB MM, 77 dB MC; THD 0.01%. 17 $\frac{1}{2}$ x 3 x 13 in; 15 lb ... \$699

AUDIO NOTE

M7 Tube Phono Preamplifier

MM input. Features silver refinements; regulated power supply ... \$16,750

M7 Tube Preamplifier

MM phono input. Features zero feedback; silver-wired circuits; tantalum resistors; series-regulated push-pull circuit; paper-in-oil capacitors; copper chassis. FR 5-50,000 Hz; THD 0.5%; max output 30 V; sens 200 mV; sens MM phono 2 mV; S/N 80 dB MM phono ... \$10,500
M7 Tube/S. As above, with silver-foil capacitors ... \$15,500

M7 Line-Tube Preamplifier

Features zero feedback; series-regulated push-pull circuit hand-wired with AN-V silver; tantalum resis-

tors; paper-in-oil capacitors; copper chassis . \$6,750
M7 Line/S. As above, with silver-foil capacitors \$9,750

AUDIO RESEARCH

SP-15 Tube Preamplifier
 MMC and 6 line-level inputs; 7 outputs. Features hybrid design using FET stage and 3 vacuum tubes; second chassis with toroidal power transformer. Auto muting; manual muting; bypass control; absolute-phase switch; gain and attenuation controls; front-panel mc imp selector. FR 0.1-200,000 Hz ± 0 , -3 dB; THD 0.005% at 2 V rms; s/n 110 dB; max output 80 V rms. 19 x 5 1/4 x 10 1/4 in; 29 lb \$5,995

SP-14 Tube Preamplifier
 7 inputs. Features hybrid design using FET's and vacuum tubes; shielded toroidal power transformer. Auto/manual muting; bypass control; gain and attenuation controls; internally adjustable phono imp and capacitance. Allows recording of one input while listening to another. FR 1-200,000 Hz -3 dB; THD 0.01% at 2 V rms; s/n 100 dB; max output 50 V rms; phono overload 200 mV rms at 1,000 Hz . . . \$2,995

LS2 Tube Preamplifier
 6 line-level inputs including direct; 1 RCA. 2 XLR outputs; gold-plated input/output jacks. Features hybrid FET/tube Class A circuitry; 41-detent attenuator; gold-contact input selector switch; active feedback circuit; 3 decoupled electrolytic capacitors; auto-muting circuit. Manual muting; defeatable tape outputs. FR 1-100,000 Hz ± 0.5 , -3 dB; output 2 V rms from 1-100,000 Hz; gain 18 dB; s/n 100 dB. 3-year warranty, vacuum tubes 90-day warranty. 19 x 5 1/4 x 10 1/4 in; 13 lb \$2,495

SP-9 MkII Tube Preamplifier
 2 tape loops; mc phono input; gold-plated input/output jacks. Features vacuum tubes in phono and line stages; shielded toroidal power transformer; auto mute circuit. Mute switch; 2-position tape-monitor switching. FR 5-50,000 Hz ± 0.5 dB line, 20-20,000 Hz ± 0.3 dB phono; max output 2 V rms; distortion 0.01% at 2 V rms out; input imp 50 kilohms line. Black front panel optional. \$1,875

LS1 Tube Preamplifier
 7 inputs; gold-plated inputs/outputs. Features FET's and vacuum tubes; shielded toroidal transformer. Auto/manual muting. FR 5-50,000 Hz ± 0.5 dB; 2 V rms output (max 50 V); max input 20 V. 19 x 5 1/4 x 10 1/4 in; 12 lb \$1,675

AUDIOSOURCE

Pre-One Preamplifier
 6 FET inputs; 1 mc phono input; 2 main outputs. Electronic switching. Features bass EQ; tape-to-tape dubbing. THD 0.008%; s/n 100 dB \$250

AUDIRE

The following carry a 3-yr warranty.

Andante Preamplifier
 MC and MM phono inputs; 5 line-level inputs; 2 tape loops. Features Class A FET circuitry; dual regulated power supplies; 4 switched and 4 unswitched AC outlets. Defeatable tone controls. Frequency response 1-100,000 Hz; THD 0.005%; s/n 94 dB. 19 x 3 1/2 x 6 1/2 in; 10 lb \$1,750

Diffet 3 Preamplifier
 MM phono input. Features discrete circuitry; FET design; regulated power supply; mc phono input optional. FR 5-100,000 Hz; THD 0.005%; s/n 94 dB. 19 x 2 1/4 x 7 in; 7 lb \$990

Legato Preamplifier
 MM phono input; 5 line-level inputs; 2 tape loops; two outputs. Features regulated power supply; subsonic filter. FR 0-100,000 Hz ± 0 , -0.25 dB; s/n 90 dB. 19 x 1 3/4 x 7 in; 6 lb \$440

B&K

Sonata MC-101 Preamplifier
 6 inputs; 2 tape loops; balanced outputs. Features selectable MMC head amp; discrete DC-coupled circuit topology. Rec selector; high-cut filter; tone controls. Sens 0.8 mV MM; signal-to-noise ratio 72 dB; frequency response 1-150,000 Hz; total harmonic distortion 0.02%. 17 x 3 1/2 x 12 in; 22 lb \$798

Sonata Pro-10MC Preamplifier
 6 inputs; 2 line-level and balanced outputs; tape loop. Features discrete DC-coupled circuit topology; external power supply; selectable MMC head amp. Rec selector. FR 1-150,000 Hz; THD 0.02%. 17 x 3 1/2 x 12 in; 22 lb \$698

CS-117 Preamplifier
 4 line-level inputs; 1 switchable phono/line-level input; 2 line-level outputs; 1 balanced output; 1 tape loop. Features selectable passive mode; tone controls. FR 1-100,000 Hz; s/n 89 dB; THD 0.02%; sens 2.7 mV. 17 x 2 1/2 x 9 in; 10 lb \$398
CS-115. As above, without tone controls . . . \$348

BERNING

TF-12-B Tube Preamplifier
 MMC phono input; 5 line-level inputs; balanced outputs. Dual-mono construction with differential tube design. Features digitally controlled switching matrix (1-dB steps over 80-dB range) for volume and balance. High-frequency resonant power supply; high-gain line section (32 dB). LED dot-matrix level displays; remote control. FR 5-100,000 Hz ± 3 dB; sens 0.38 mV for 0.5-V output at 1,000 Hz MM; sens 32 mV line \$3,795
TF-12-C. As TF-12-B, with two sets of individually buffered outputs \$3,685
TF-12. As TF-12-B, no balanced outputs . . . \$2,950

BOULDER

L3AE Preamplifier
 3-pin output connectors; quasi-balanced outputs; 5 line-level inputs; 1 tape loop. Features rugged construction; gold-plated jacks. THD 0.0025% from 20-20,000 Hz; max voltage gain 59 dB MM phono, 79 dB MC phono inputs. 17 x 3 3/4 x 15 3/4; 13 lb \$1,499

Modular Preamp Components
Each module has gold-plated connectors, uses a common power supply, and measures 1 1/4 x 3 1/2 x 4 1/4 in.

Boulder Ultimate Preamplifier
 Features components MS01, MS11, MS21, and MS32 mounted in one dual frame and two single frames \$5,299

Boulder Complete Preamplifier
 Features components MS01, MS10, MS21, and MS31 mounted in one quad frame \$3,199

MS32 Output Controller Module
 Features buffered inputs; volume, and balance controls; stereo/mono and polarity switches; -20 dB mute \$1,439

MS11 Phono Preamp Module
 MC and MM inputs; balanced and unbalanced outputs. Optional input for low-level MC's with 20-dB gain; triple-F switchable Bessel 3-pole low-cut filter at 10, 20, or 30 Hz; max gain 60 dB. Performs RIAA EQ and gain adjust. THD 0.0025% \$1,099
MS10. As above, no Bessel filter \$939

MS01 Power Supply. Powers 4 modules . . . \$659
MS21 Selector Switch Module. For phono and 5 line-level inputs. Features tape-dubbing capability \$589

SSMC Solid-State MC Input Module. Bridging design with 20-dB gain. \$499
SSBO Solid-State Balanced-Output Module. Inverts stages for balanced output \$329

Preamplifier Housings

MF04. Mainframe for 4 preamp modules. Full-rack size with removable ears \$249
MF02. Mainframe for 2 preamp modules. Half-rack size \$199
MF01. Mainframe for 1 preamp module \$179
MS00. Blank panel for unused slots \$79

ABL Connectors. For unbalanced to balanced input \$99

BRUCE MOORE AUDIO DESIGN

Companion Tube Preamplifier
 5 inputs; 2 outputs. Features 2 tubes; inverted polarity. s/n 86 dB below 2 V output; ch sep 84 dB at 1,000 Hz, 70 dB at 20,000 Hz; THD 0.06% at 2 V output from 10-40,000 Hz; gain 20 dB \$1,395

BRYSTON

The following feature a 20-yr warranty covering parts and labor.

Model 12B Preamplifier
 MC phono input; 5 line-level inputs; headphone jack; line-level output; 2 tape and processor loops. Source switch; tape monitoring; mute, balance, and volume controls. FR 20-20,000 Hz; THD 0.005%; high-level sens 50 mV. MC: 16.5 or 22.5 dB gain; FR 5-30,000 Hz ± 0.5 dB. 19 x 1 3/4 x 8 in; 10 lb \$1,995
Model 11B. As above, without MC stage . . . \$1,350

BP4.2 Preamplifier
 2 balanced inputs and 1 balanced output. FR 22-20,000 Hz ± 0.05 dB; sens 50 mV \$1,095

Model .5B Preamplifier
 Phono input; 3 line-level inputs; 1 tape and 1 processor loop. Features two-stage phono section; CD input protected by volume control; no internal wiring; components plug directly into boards; volume control laser-trimmed to 0.25 dB accuracy. FR 22-20,000 Hz; max output 15 V; THD 0.005%; high-level sens 50 mV; signal-to-noise ratio 80 dBA phono, 95 dBA line. 19 x 1 3/4 x 8 in; 7 lb \$795
 As above, with balanced outputs \$895
Model .4B. As .5B, fourth line-level input replaces phono input \$750

CAMBRIDGE AUDIO

C100 Preamplifier
 MC and MM gold-plated phono inputs; 2 tape-monitor loops. Features toroidal power transformer; rec-defeat circuit. FR 5-130,000 Hz; s/n 75 dB MC, 80 dB MM, 94 dB line; input sens 0.5 mV MC, 4.5 mV MM, 300 mV line. 17 x 3 3/8 x 12 1/2 in; 9.9 lb \$700

C70 Preamplifier
 MC and MM gold-plated phono inputs; tape-monitor loop; dual active and passive outputs. Toroidal power transformer; passive EQ in RIAA stage. Passive defeatable tone controls. FR 10-140,000 Hz; s/n 75 dB MC, 80 dB MM, 95 dB line; input sens 0.5 mV MC, 4.5 mV MM, 300 mV line \$500

CARVER

Models with Sonic Holography use proprietary circuitry to enhance sound-stage ambience. Models with ACCD feature multipath rejection circuitry.

Model One Tube Preamplifier
 2 tape-monitor loops; gold-plated connectors. Features 6080-tube regulated power supply; separate MC and MM head amps with jacks to configure MC resistor loading; infrasonic filter. Bass/treble tone control; bypass switch; absolute-phase switch; line-gain control. FR 20-20,000 Hz; s/n 72 dB MC, 80 dB MM; THD 0.5%. 19 x 6 1/4 x 16 1/2 in; 26 lb \$5,000

C-19 Tube Preamplifier
 7 inputs including MM phono, mc phono, and CD-direct; 2 signal-processor loops; 2 tape-monitor loops

P R E A M P L I F I E R S

with dubbing capability; one main output with solid-state transfer characteristic; one main output with vacuum-tube transfer characteristic; headphone jack. Features four 6DJ8 vacuum tubes; infrasonic filter. LR tone controls with variable turnover; adjustable gain; mono/stereo and absolute-phase switches; 6 AC outlets. FR 10-20,000 Hz ± 0 , -0.3 dB; THD 0.25%; S/N 86 dB MM, 82 dB MC \$1,200

CT-17 A V Preamp/Tuner

7 audio inputs including CD-direct; 2 video inputs with dubbing capability; 2 tape-monitor loops; signal-processor loop; video monitor output; headphone jack; remote infrared sensor input for 2-zone multiroom applications. Dolby Pro Logic decoder; Sonic Holography; ACCD; high-cut filter; motor-driven volume control. 20 AM/FM presets with scan; selectable ambient delay; simulated-stereo mode for mono sources; rec-out selector; 3-band EQ; loudness and balance controls; mono/stereo and auto/manual switches; signal-strength indicator; 4 AC outlets; remote control with rear-channel level control. FR 20-20,000 Hz ± 1 dB; THD 0.008%; S/N 80 dB MM. FM: IHF sens 14.3 dB; cap ratio 1.9 dB; AM rej 62 dB; all-ch sel 72 dB; ch sep 46 dB and THD 0.18% at 1,000 Hz; S/N 74 dB stereo. 19 x 4 x 12 $\frac{3}{4}$ in \$800

C-16 Preamp/Tuner

8 inputs including MM and MC phono; 2 signal-processor loops; 2 tape-monitor loops with dubbing capability; 2 main outputs; headphone jack. Features Sonic Holography; LR tone controls with variable turnover; infrasonic-filter, mono/stereo, and absolute-phase switches; 6 AC outlets. FR 10-20,000 Hz ± 0 , -0.3 dB; THD 0.01%; S/N 84 dB MM, 88 dB MC \$650

CT-3 Preamp/Tuner

6 audio inputs; 3 video inputs; 2 video outputs; pre-out/main-in loop; switchable cable/antenna inputs. Features Sonic Holography; ACCD; motor-driven volume control. 30 AM/FM presets with scan; auto/manual tuning; signal-strength indicator; bass, treble, and balance controls; sleep timer; 2 AC outlets; remote control. FR 20-20,000 Hz ± 1 dB. FM: cap ratio 2.2 dB; AM rej 62 dB; all-ch sel 65 dB; ch sep 45 dB and THD 0.2% at 1,000 Hz; S/N 78 dB stereo \$450

Pro-Phile Series

CT-6 Preamp/Tuner

6 audio inputs; 2 tape-monitor loops with dubbing capability; headphone jack. Features Sonic Holography; ACCD; motor-driven volume control. 20 AM/FM presets with scan; auto/manual tuning; FM-mono switch; bass, treble, balance, and loudness controls; 3-level signal-strength indicator; 4 AC outlets; remote control. FR 20-20,000 Hz ± 1 dB; THD 0.008%; S/N 78 dB MM. FM: IHF sens 14.3 dB; cap ratio 1.9 dB; AM rej 62 dB; all-ch sel 72 dB; ch sep 46 dB and THD 0.25% at 1,000 Hz; S/N 74 dB stereo. 19 x 1 $\frac{3}{4}$ x 10 in \$580

C-5 Preamp/Tuner

8 audio inputs; 2 tape-monitor loops with dubbing capability; CD-direct input; headphone jack; mini-phone remote-sensor input for 2-zone multiroom applications. Features Sonic Holography; motor-driven volume control. Bass, treble, balance, and loudness controls; 4 AC outlets; remote control. FR 20-20,000 Hz ± 1 dB; THD 0.008%; S/N 78 dB MM. 19 x 1 $\frac{3}{4}$ x 10 in \$500

C-3 Preamp/Tuner

8 audio inputs; 2 tape-monitor loops with dubbing capability; signal-processor loop; CD-direct input; headphone jack. Features Sonic Holography. Defeatable bass and treble controls; balance and loudness controls; 2 AC outlets. FR 10-100,000 Hz ± 0 , -0.1 dB; THD 0.008%; S/N 75 dB MM \$350

CARY

SLP-90 Tube Preamp/Tuner

2 gold-plated inputs/outputs; MC phono input. Features Class-A tube circuitry; metal-film resistors;

polystyrene and polypropylene capacitors; 8 Gold Aero premium tubes; silver wire; transformers enclosed in separate power pack. S/N 88 dB; output imp 800 ohms. 12 $\frac{1}{2}$ x 5 x 12 in; 22 lb \$2,295
SLP-90L. As above, without phono stage \$1,695

SLP-70 Tube Preamp/Tuner

Gold-plated inputs/outputs; phono input. Features cathode follower output; Class-A tube circuitry; metal-film resistors; polystyrene and polypropylene capacitors; dual regulated 12-V dc power supply; 6 tubes. Volume and balance controls. S/N 88 dB; output imp 800 ohms. 16 $\frac{1}{2}$ x 4 x 11 $\frac{1}{2}$ in \$1,295
SLP-70. As above, without phono stage \$995

PD-1 Preamp/Tuner

2 variable-level outputs; 1 fixed-level output. Features input selector board; 6 gold-plated DPDT 12-V dc relays; passive circuit design; toroidal power transformer. 12 x 2 $\frac{3}{4}$ x 9 in; 11 lb \$595

Penny and Giles Volume Control. Available for any of the above \$350

CELLO

Encore Preamp/Tuner

8 single-ended line-level inputs; buffered tape outputs; 2 single-ended balanced line-level outputs; 2 tape-monitor loops; phono input; 36-, 46-, or 60-dB gain; choke-input power supply; phase switch \$8,000

The Palette Preamp/Tuner

4 unbalanced inputs; 2 unbalanced fixed-level outputs; 1 unbalanced and 1 balanced outputs; 2 tape-monitor loops. External power supply; 6 tone controls. FR 20-20,000 Hz ± 2 dB; THD 0.005%; max output 9 V \$6,500

Etude Preamp/Tuner

4 RCA inputs; 1 RCA output. 4-position input selector; 58-position output attenuator. 9 $\frac{1}{2}$ x 3 $\frac{3}{8}$ x 8 in; 31 lb \$1,500

Audio Suite

Modular system built around an open-architecture mainframe that accepts up to 10 slide-in vertical modules (listed below). Designed for monitoring, mastering, and live recording. Can control multiroom and multimedia systems.

P101 . MC phono input	\$3,800
P301 . Output	\$3,800
P201 . CD Input	\$2,800
P201 . DAT input	\$2,800
P201 . Digital processor input	\$2,800
Master Power Supply . 120 V	\$2,700
P100 . MM phono input	\$2,250
P100 . High-gain MM phono input	\$2,525
Mainframe Chassis	\$2,000
B301 . Output	\$2,000
P200 . Tape input	\$1,700
P200 . CD input	\$1,700
P200 . Tuner input	\$1,700
P200 . Aux input	\$1,700
P200 . Video input	\$1,700
P200 . DAT input	\$1,700
B100 . MM phono input	\$1,700
B100 . MC phono input	\$1,700
B200 . RCA line-level input	\$950

CLASSE AUDIO

Classé Six Preamp/Tuner

MM/MC phono, balanced, and 5 line-level inputs; balanced, single-ended, and buffered tape outputs. Features polystyrene and polypropylene capacitors; toroidal transformer. Input, mode, and bypass selectors; tape-monitor and mute switches. FR 20-20,000 Hz ± 0.1 dB; input imp 50 kilohms; output 27 V; S/N 95 dB line. 85 dB phono; THD 0.1%. Satin black and soft shadow silver. 19 x 14 $\frac{3}{4}$ x 6 in \$3,295
 Without phono stage \$2,995

Classé Five. As Classé Six, 24-V output \$2,295
 Without phono stage \$2,100
Classé Four. As Classé Five, without bypass selec-

tor; output 20 V. 19 x 12 $\frac{3}{8}$ x 3 $\frac{3}{8}$ in \$1,595
 Without phono stage \$1,495

CONRAD-JOHNSON

Premier Seven Tube Preamp/Tuner

Features all-tube dual-mono design; separate power supplies for each channel; four 6CW4 nuvistors; eight 6GK5 single triodes; zero-feedback design with 3 gain blocks per channel; 8 discrete regulated dc power supplies; solid-silver internal signal-path wiring. FR 2-100,000 Hz; THD 0.5% at 1 V output; gain 40 dB phono, 25 dB line; max output 20 V rms; output imp 200 ohms. 60 lb \$9,995
Evolution 20. As above, mono design. 19 x 7 x 15 $\frac{1}{4}$ in; 37 lb \$4,995

Premier Ten. As Evolution 20, without phono stage. 19 x 5 $\frac{3}{4}$ x 15 $\frac{1}{4}$ in; 30 lb \$3,495

PV11 Tube Preamp/Tuner

2 tape loops. Features cathode follower outputs and solid-state voltage regulator designed for minimal ac impedance; regulated filament power supplies; audio circuits with 1% tolerance; mil-spec deposited tin-oxide resistors; polystyrene capacitors; volume control tracks within 0.5 dB; auto turn-on/off mute. FR 2-100,000 Hz; THD 0.5%; hum and noise 72 dB below 10-mV input phono, 84 dB below 2.5 V output line; max output 40 V rms; output imp 200 ohms. 16 x 3 $\frac{3}{4}$ x 10 in; 15 lb \$1,895
PV11L. As PV11, without phono stage \$1,495

PF1 Preamp/Tuner

1 phono and 4 line-level inputs. All-FET design with distortion canceling circuit; polypropylene and polystyrene audio circuitry; power-supply capacitors; metal-film resistors. FR 2-75,000 Hz ± 0 , -3 dB; THD 0.1%; max output 10 V; line gain 21 dB; phono gain 40 dB. 19 x 3 $\frac{1}{2}$ x 12 $\frac{1}{2}$ in; 15.5 lb \$1,395

PV10 Tube Preamp/Tuner

1 phono and 5 line-level inputs; 1 tape-monitor loop. Features zero-feedback circuits in both line and phono stages; 2 triode amps separated by passive RIAA EQ network; 5 vacuum tubes; discrete regulated power supply with polypropylene and polystyrene capacitors. Balance-bypass switch. THD 0.01%; hum and noise (20-20,000 Hz) 72 dB below 10 mV input phono, 84 dB below 2.5 V output line; output imp 500 ohms. 16 x 11 x 3 $\frac{3}{4}$ in \$995

COUNTERPOINT

SA-11 Tube Preamp/Tuner

6 line-level inputs; 1 video input. Features industrial-grade stepper motors controlling 2 custom 41-position attenuators; vacuum-tube power supply and audio circuitry. Remote control. FR 1.5-70,000 Hz; THD 0.02%; S/N 82 dB at 500 mV, 1,000 Hz \$7,595

SA-5000 Tube Preamp/Tuner

MC and MM phono inputs; 5 line-level inputs. Tube/solid-state design; separate-chassis regulated tube power supply; absolute-phase control; adjustable phono gain; buffered output. FR 4-60,000 Hz ± 0.1 dB; THD 0.01%. 19 x 4 $\frac{1}{2}$ x 12 $\frac{3}{8}$ in; 39 lb \$3,595
SA-3000. As above. FR 8-40,000 Hz ± 0.1 dB; 22 lb \$1,995
SA-2000. As above, without phono inputs \$1,495

SA-1000 Tube Preamp/Tuner

MC/MM phono inputs; 3 line-level inputs. 3-tube/solid-state hybrid circuitry. FR 2-170,000 Hz ± 0.1 dB; THD 0.065%; S/N 83 dB. 19 x 4 $\frac{1}{2}$ x 12 $\frac{3}{8}$ in; 20 lb \$995

Soild-8 Preamp/Tuner

6 line-level inputs; 2 tape loops. Features FET design. FR 1-500,000 Hz ± 1 dB; THD 0.03%; S/N 87 dB. 19 x 2 $\frac{1}{4}$ x 10 in; 14 lb \$895

CROWN INTERNATIONAL

PSL-2 Preamp/Tuner

Features subsonic filter; loudness circuit; auto mute protect. Defeatable tone controls; balance control;

overload, rumble, and signal-presence Indicators; tape dubbing; adjustable phono input gain. FR 10-50,000 Hz \pm 0.25 dB; THD 0.009% from 20-20,000 Hz; S/N 103 dB; input sens 250 mV; output level 2.5 V. 19 x 1 3/4 x 1 1/2 in; 11 lb \$795

DB SYSTEMS

DBR-15B/2A Preamplifier

Combines DB-1B and DB-5 in a 19-in rack unit; tone control. Includes aux cable. Rack mount \$1,065
With oak cabinet \$1,215

DB-1A/2A Preamplifier

Features separate DB-2A regulated power supply. 20- and 36-Hz low-cut filters; 5,000- and 10,000-Hz high-cut filters. THD \pm 0.0008% from 20-20,000 Hz; IM 0.001%; FR 10-40,000 Hz \pm 0.07 dB phono, 2-50,000 Hz \pm 0, -1 dB line; S/N 89 dBA phono, 90 dBA line; output Imp 1 kilohm; max output voltage 6 V into 10 kilohms 3,000 pF; input sens for 1 V output: 2 mV into 50,000 ohms/100 pF (phono), 120 mV into 50 kilohms (line). 5-year warranty. 8 1/2 x 3 1/4 x 7 in. \$535

DB-1B/2A. DB-1A with low-noise line-level stage (-94 dB ref 1 V). Features reduced crosstalk; gold-plated jacks; 80-dB Alps tracking volume control; solid-oak cabinet with hand-rubbed tung-oil finish. 12 x 3 5/8 x 7 in \$740

DBR-1B. DB-1B mounted in 19-in rack. Includes DB-2A power supply \$645

DB-1A-HL/DB-2A. As DB-1A, 5 line-level inputs, no phono stage. Features Alps 80-dB tracking volume control. FR 1-250,000 Hz \pm 3 dB; S/N 92 dB; THD 0.0006%; sens for line-level inputs 120 mV. 3-year warranty \$535

DB-1B-HL/DB-2A. As DB-1A-HL; lower noise (-94 dB ref 1 V). Features reduced crosstalk; gold-plated inputs/outputs; 80-dB Alps tracking volume control; loudness-compensation switch. Solid-oak cabinet with hand-rubbed tung-oil finish \$620

DENNESEN

JC-90 Mono Preamplifier

MC phono input; balanced outputs. Features polarity inverter. THD 0.005%; S/N 100 dB MM, overload 500 mV \$2,500

DENON

PRA-2000RG Preamplifier

Transformer-coupled MC phono input; 8 unbalanced inputs; 1 balanced input; 3 unbalanced outputs; 1 balanced output. Features FET and MOSFET circuitry; relay-type input switching; sintered-alloy feet. Rec-ot selector; 4-gang volume control with parallel sections. THD 0.005% at 1 V; S/N 105 dBA line, 90 dBA MM, 80 dBA MC; max output 10 V rms \$3,000

AVP-5000 A/V Digital Preamplifier

4 fiber-optic and 2 coaxial digital inputs; 1 fiber-optic digital output; 11 analog inputs; 8 variable-level and 4 fixed-level analog outputs; 6 video outputs; 4 video inputs; composite and S-video inputs. Features 2 digital IC's performing preamp, sound-field processing, Dolby Pro Logic, and surround-sound functions; 2 Lambda ladder-type and 4 Ai hybrid multi/1-bit DAC converters driving analog volume control and preamp outputs; dual Sigma-Delta AD converters; separate transformers and power supplies for audio and video sections; 3-band parametric EQ; signal compression and expansion. Adjustable delay time (0-180 ms) and reverberation in surround and sound-field modes; analog-direct mode; source conversion between composite and S-video formats; FL display; programmable remote control \$2,500

DAP-5500 Digital Preamplifier

1 fiber-optic and 2 coaxial digital inputs; coaxial digital tape-monitor loop; Cannon-type input/output; 2 RCA line-level inputs; 1 RCA line-level output; front-panel RCA inputs/outputs; 2 tape-monitor loops. Features digital section with 4x-oversampling filter and push-pull DAC converters; separate digital and analog circuitry; separate power supplies for

digital and analog sections; fiber-optic isolators. Source-direct switch. 17 1/8 x 5 1/4 x 15 in \$1,500

DAP-2500 Digital Preamplifier

1 fiber-optic and 1 coaxial digital inputs; coaxial digital tape-monitor loop; MM MC phono inputs; 2 video inputs; 1 video output. Features digital section with 4x-oversampling filter and 4 push-pull DAC converters; fiber-optic isolators. Source-direct switch; IS system remote control \$1,000

PRA-1500 Preamplifier

2 tape loops; balanced output; MM MC phono inputs; 2 video inputs; 1 video output; mono wideband and subwoofer outputs. Unity-gain interface; source-direct mode. IS remote control \$500

DYNACO

PAS-3 Series II Tube Preamplifier

4 line-level inputs; MM phono input; 2 tape loops; signal-processor loop. Features regulated power supply; silicon rectifiers; film capacitors. Volume and balance controls; tape-dubbing capability; mono switch. FR 20-20,000 Hz \pm 0.25 dB; THD 0.005% at 1,000 Hz; max output 10 V; high-level gain 20 dB; output imp 50 ohms. Black acrylic or polished-chrome faceplate. 17 x 3 1/2 x 9 in \$650

ELECTRONIC VISIONARY SYSTEMS

Ecstasy 3000 Preamplifier

6 inputs. Dual-mono passive control center; active 20-dB line stage; active buffer stage. 31-position stepped attenuators. Rack mountable. THD 0.01% \$1,350

Ecstasy 2000. As above, without 20-dB line stage. FR 0-50 MHz \$1,350

Ecstasy 1000. As above, without active buffer \$875

Ultimate Attenuator Preamplifier

1 or 2 inputs (balanced or unbalanced). Features passive volume controls; 1-, 12-, or 31-position stepped attenuators. Custom made to consumer's amplifier specifications \$60-\$600

ENCORE

DL 2010.2 Tube Preamplifier

6 line-level inputs; MC and MM phono inputs; gold-plated inputs and outputs. Features vacuum tubes for voltage amplification of phono and line stages; no switch or potentiometer contacts in signal path; bipolar switching for signal inputs; filtered, surge-protected power source; mil-spec glass epoxy circuit board; silver-plated tube sockets. Custom-stepped volume attenuator; standby switch; LED indicators. FR 0.5-175,000 Hz \pm 3 dB; THD 0.05%; gain 61 dB MC, 40 dB MM, 10 dB line; phono input imp- selectable capacitance between 47, 147, 247, or 347 pF and selectable resistance between 0-1 kilohms or 47 kilohms; line input imp 47 kilohms; CD input imp 20, 50, or 100 kilohms. 17 3/8 x 4 1/4 x 15 in; 18 lb \$2,850

DL 2010.2-L. As above, no phono stage \$2,450

ESSENCE

Reference Preamplifier

4 line-level inputs; tape output. Features bipolar Class AB circuitry; curve-traced transistors; OFHC leads; aerospace-grade components. Input selector; volume and balance control. FR 20-20,000 Hz \pm 3 dB. 5-yr warranty. 19 x 14 x 8 in \$4,850

Standard. As above, with mil-spec devices, without aerospace-grade components \$2,850

FORTÉ

F44 Preamplifier

6 line-level inputs; tape-monitor loop; 1 unbalanced and 2 balanced outputs; gold-plated connectors. Dual-channel, noninverting FET design; matched gain devices enhanced with discrete pure Class A biasing; active constant-current sourcing; glass-epoxy circuit boards. Features listening and rec selectors;

balance control; remote control. Input Imp 12 kilohms; output imp 100 ohms; THD 0.05% from 0-20,000 Hz at 3 V out; S/N 100 dB \$1,095
Optional MM MC phono stage \$300
F40 H. As F44, balanced Class A operation \$990
F40 P. As F44, with phono stage \$1,250
F40 PB. As F44, phono stage only \$300

GOLDMUND

The following preamplifiers feature a 3-yr parts-and-labor warranty.

Mimesis 2 Preamplifier

5 line-level inputs; phono input; 2 power-supply outputs. Features all relay-operated functions driven by zero-consumption, zero-radiation circuit; 2 grounding and earthing lugs; phase inverter. Balance control; mono/stereo switch; mute switch; remote-control capability; main-line polarity switch. FR 0-150,000 Hz \pm 0.1 dB; S/N 85 dB from 0.01-10,000,000 Hz; THD 0.01% from 0-25 V; ch sep 90 dB, slew rate 500 V/ μ s; input imp 50,000 ohms. 19 x 1 3/4 x 1 1/2 in; 15.5 lb \$9,600
Without phono stage \$7,900

Mimesis 7.1 Preamplifier

1 phono input; 3 line-level inputs; 2 tape loops; optional 4th-line input instead of phono stage. Self-adjusting MC phono input. Phase and muting switches. FR 0-850,000 Hz \pm 3 dB; S/N 95 dB; ch sep 90 dB. 19 x 1 3/4 x 13 in; 13.2 lb \$5,500
Without phono stage \$4,600

HAFLER

Model 915S Preamplifier

5 line-level inputs; 1 tape-monitor loop; headphone jack. Features Class A JFET topology; high power transformer; large filter capacitance. MM MC switch. THD 0.02%; S/N 100 dB. Rack mountable; silver. 7-yr warranty. 19 x 1 3/4 x 7 5/8 in; 8 lb \$750

Model 915. As above, black; not rack mountable. 17 x 1 3/4 x 7 5/8 in \$700

Model 945S Preamplifier/Tuner

5 line-level inputs; 2 tape-monitor loops; 1 A/V output; headphone jack. Features Class A JFET line amplifiers; MPX filters; defeatable tone controls; double balanced mixer. 18 tuner presets. THD 0.02%; S/N 100 dB. Sens 6.5 dBf mono, 12 dBf stereo. Rack mountable; silver. 7-yr warranty. 19 x 2 1/2 x 10 1/2 in; 10 lb \$650

Model 945. As above, black; not rack mountable. 17 x 2 1/2 x 10 1/2 in \$600

SE-100 Preamplifier

5 line-level inputs; fixed-level output; 2 variable-level outputs. Features discrete JFET devices in signal path; power-on delay circuit; tape loop with buffering. MM MC stage optional. FR 20-20,000 Hz \pm 0.1 dB; THD plus noise 0.005% line; S/N at 2 V - 100 dBA line. 17 x 3 x 8 1/2 in \$449
Phono stage. THD plus noise 0.002% MM, 0.009% MC; S/N 87 dB MM, 80 dB MC \$100

HARMAN KARDON

Citation25 Preamplifier

Headphone jack. Features discrete circuitry; high-cut and subsonic filters. Interactive A/V switching; tone defeat and mono switches; selectable bass and treble center frequencies; remote control \$899

Citation21 Preamplifier

6 inputs including 2 tape; MM MC phono input. Features discrete circuitry. Phase-correct loudness switch; CD-direct mode; subsonic filter; tone defeat and mono switches. FR 0.25-250,000 Hz -3 dB; THD 0.001%; S/N 78 dB MC, 83 dB MM, 94 dB line. 17 3/8 x 3 3/8 x 14 5/8 in; 17 lb \$629

PT2300 Preamplifier/Tuner

5 inputs including 2 A/V inputs and 2 VCR/tape monitors; 1 subwoofer and 2 line-level outputs. Discrete

P R E A M P L I F I E R S

circuitry; low negative feedback design; digital quartz-locked tuner; 7-way dubbing matrix. 16 AM/FM presets; remote control \$529

HEYBROOK

C-3 Preamplifier

MM, MC, tape, and 5 line-level inputs. Overload protection; aluminum chassis; rear-panel power switch. FR 10-50,000 Hz ± 3 dB; sens 85 mV MM, 160 mV line. 17 x 3 x 13 in; 8 lb \$798

HTG

DCC-1 Digital A/V Preamplifier

7 analog inputs including video; 1 fiber-optic, 1 coaxial, and 1 fiber-optic/coaxial digital input; AES/EBU input; S-video terminals. Features 8x oversampling, 18-bit converter; upgradable digital section; separate power supplies for analog and digital sections; video switching and dubbing capabilities; switchable gain stage; rec-out selector \$1,195

ACC-1. As above, without digital stage \$895

J.A. MICHELL

Iso Preamplifier

MC phono input. Features phase-compensated circuitry; remote power supply; 2 pairs of op-amps. LED display. Sens 0.3 mV; load imp 100 ohms. 7 x 2 x 4 in; 1 lb \$895

JRM

JRM Preamplifier

MC and MM phono inputs; 4 line-level inputs. Features polypropylene capacitors; gold-plated electromechanical devices; 2-stage RIAA with ± 0.1 dB conformity. Separate input select for main, rec, and out; 18-dB subsonic filter; 10 W x 2 headphone amp. FR 0-50,000 Hz ± 0.1 dB; THD 0.001%; S/N 76 dB MC, 87 dB MM; slew rate 20 V/ μ s. 19 x 2 3/4 x 8 1/2 in \$675

KINERGETICS

KPA-2 Preamplifier

Balanced outputs; isolated processor loop. Features discrete Class A circuitry; outboard power supply. Independent audio and video switching \$1,295

KLYNE AUDIO ARTS

System Seven Series

Model 7LX/P Preamplifier

Balanced line-level output; phono input. Dual-bridge external power supply. Independent L/R input-level controls \$4,950

Model 7LX/B. As above, with balanced line-level input; no phono stage \$3,950

Model 7LX Preamplifier

Balanced output and unbalanced line-level input. Dual-bridge power supply \$3,450

System Six Series

Model 6LX2 Preamplifier

4 line-level inputs; phono input. Features external power supply; independent listen and record circuitry; optional user-installable phono boards. Output imp 300 ohms; input imp phono 0-47 kilohms. 19 x 2 1/2 x 11 1/2 in; 12 lb \$2,750

6L2. As above, no external power supply \$2,150

6PXi. Deluxe plug-in phono preamplifier board for 6LX2; adaptable to 6L2. Features adjustable gain \$1,250

6Pi. Standard version of above; adaptable to 6LX2 or 6L2 \$650

Accessories

FP 6/7 Flotation Pad. Isolation base for System Six and Seven preamps \$250

Side Panels. Black-stained oak side panels for model 6L \$75

Acrylic Display Cover. For System 6 preamps \$25

KRELL

KRC Line Preamplifier

Balanced inputs/outputs. Remote control \$6,000

KBL Preamplifier

2 balanced and 4 single-ended inputs; 2 tape loops; balanced and single-ended outputs. DC coupling; Class A circuitry; external dual-mono power supply \$4,500

KRC-2 Line Preamplifier

Balanced inputs/outputs. Remote control \$3,500

KSL Preamplifier

2 balanced and 3 single-ended inputs; 1 tape loop; balanced and single-ended outputs. Features Class A circuitry. Optional phono stage \$2,500

KPE Preamplifier

Features discrete circuitry; MC MM phono stage; external power supply; selectable gain and phono loading \$850

LAZARUS

LLS 3 Tube Preamplifier

4 line-level and 2 RCA/XLR balanced inputs; 3 outputs. Controls for volume, input, record select, and L/R balance; standby/mute and absolute-phase switches. Max output 100 V rms balanced, 50 V rms unbalanced; input imp 47.5 kilohms; output imp 600 ohms; gain 20 dB. 19-in rack panel available. 17 x 3 1/4 x 9 in; 20 lb \$1,999

LLS 2. As above, 6 line-level inputs \$1,499

LLS 1. As above, 6 unbalanced line-level RCA inputs. 18 lb \$799

LINN

Kairn Preamplifier

7 inputs; 3 line-level outputs. Remote-control operation; front-panel controls. 13 x 3 1/2 x 13 in; 10 lb \$2,595

LK1 Preamplifier

MM, MC, and 4 line-level inputs. Features micro-processor-controlled design with independently adjustable input-level matching. Keyboard lockout; remote control. 10 1/2 x 3 x 10 1/2 in; 9 lb \$1,295

LUXMAN

TP-117 Dual Preamplifier/Tuner

Signal-processor loop; CD-direct input. Dual preamps in one chassis provide independent source selection and volume control for two sets of components. Features RF modulator; separate regulated power supplies; AM/FM tuner with computerized tuning and 4-stage FM front end; motor-driven volume

control. 20 AM/FM station presets with auto-seek tuning; FM fine tuning 1N 25,000-Hz steps; video switching with buffer amplifiers; remote control. FR 20-20,000 Hz ± 0.5 dB; THD 0.006%; S/N 86 dB phono. 96 dB line. FM: 50-dB quieting sens 38 dBf stereo; cap ratio 1.5 dB; alt-ch sel 68 dB. AM: S/N 50 dB. 17 1/4 x 4 3/8 x 13 in; 11.4 lb \$1,250

TP-114 Preamplifier/Tuner

Fixed line-level outputs; phono input; remote control output. Features Duo-Beta feedback circuitry; star circuit topology; voltage-driven amplification. 20 AM/FM presets; auto seek; preset scan AM/FM tuning; FM fine tuning; motor-driven volume control; local/remote sensor selector; auto phono/aux input switching; remote control. FR 20-20,000 Hz ± 0.5 dB phono. 5-160,000 Hz ± 3 dB line; S/N 78 dBA phono. 95 dBA line; THD 0.008% at 1 V output. FM: 50-dB quieting sens 14.8 dBf mono, 38 dBf stereo; cap ratio 1.5 dB; alt-ch sel 65 dB \$2,695

MADISON FIELDING

L-1 Tube Preamplifier

3 line-level inputs; 2 tape-monitor loops; 1 RCA and 1 balanced output. Features hybrid solid-state/tube circuitry; motor-driven volume control. Sens 100 mV; max output 75 V. 4 1/2 x 19 x 12 in; 12 lb \$2,695

MARANTZ

SC-22 Preamplifier

4 line-level inputs; tape-monitor loop; normal and phase-inverted outputs. Features straight-line circuit topology; discrete Class A signal routing; low-pass filter in input stage to remove digital noise above audio band; Permalloy balanced output transformers; high-current toroidal power supply with damped mounting; shielded OFC wiring; double-plated glass-epoxy circuit boards. FR 20-20,000 Hz ± 1 dB; THD 0.03%; S/N 105 dBA; crosstalk 85 dB at 1,000 Hz. Gold finish. 9 3/4 x 3 3/8 x 8 1/2 in; 9.2 lb \$999

AV-500 A/V Preamplifier

8 gold-plated RCA audio inputs; 4 gold-plated RCA video inputs; 4 S-video inputs; front-panel composite S-video Av input; 4 gold-plated RCA audio outputs; 3 gold-plated RCA video outputs; 3 S-video outputs; 3 gold-plated RCA line-level outputs for front, center, and surround. Features Dolby Pro Logic decoder; auto input balance; motor-driven volume control. Matrix, movie-surround, 3-ch logic, and 2 concert-hall surround modes; adjustable digital delay; movable digital color PIP for 2 video sources; Dolby test-tone generator; simulcast capability; audio and video dubbing; switchable 3-, 5-, or 7-dB bass boost at 70 Hz; on-screen display; defeatable FL dot-matrix display; mute switch; 1 unswitched and 2 switched ac outlets; remote control. Champagne-gold finish with die-cast alloy side panels. 17 7/8 x 3 3/8 x 13 1/2 in \$949

Black finish \$899

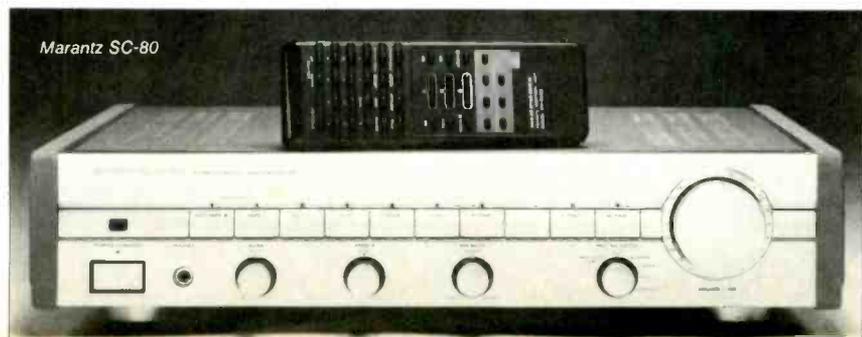
SC-80 Preamplifier

MM MC phono input; 4 line-level inputs; 2 tape-monitor loops; normal and phase-inverted outputs; signal-processor loop; RC-5 interface for remote-control compatibility with other Marantz components. Features Class A design; all-discrete primary signal path; balanced output coupling via impedance-matching transformers; 12 microprocessor-controlled gold-plated relays for source switching; source-direct switch; motor-driven volume control. Defeatable narrow-Q bass and treble controls; rec-out selector; remote control. FR 20-20,000 Hz ± 0.2 dB phono, 10-40,000 Hz ± 0.1 dB line; S/N 75 dB MC, 91 dB MM, 95 dB line; THD 0.015% line. Gold finish with die-cast alloy side panels. 17 7/8 x 4 1/8 x 14 1/4 in \$699

MARK LEVINSON

Model 26 Preamplifier

6 line-level inputs; nonbuffered tape outputs. Features dual-mono design; external chassis with separate power supplies for each channel and control section; 2 toroidal transformers; matrix-style dc



P R E A M P L I F I E R S



McIntosh C-36

switching; dual-mono construction; hermetically sealed silver contacts with gold plating; 9 gold-plated contacts for connecting cable; 3-pln Neutrik XLR connectors. Stereo/mono switch; selectable 6-, 12-, or 18-dB gain for unbalanced output; selectable 12-, 18-, or 24-dB gain for balanced output. Output imp 40 ohms; line-level input imp 14 kilohms; phono input imp 825 ohms MC, 47 kilohms MM, phono gain 38/44 dB MM, 58/64 dB MC. Preamp: 17 1/2 x 2 3/4 x 13 1/8 in. Power supply: 7 5/8 x 2 3/4 x 13 1/8 in; 32 lb \$6,095 Without phono stage \$5,195

Model 26 S. As above, uses Teflon circuit boards. With phono stage \$7,895 Without phono stage \$6,795

Model 28 Preamplifier

7 inputs, including 2 gold-plated XLR balanced inputs; 5 single-ended inputs; balanced and unbalanced main outputs; single-ended outputs for 2 tape decks; 1 selectable phono/line input. Features dual-mono construction; single custom transformer with separate windings and grounding systems; distributed power supply regulation; low and high-gain phono modules each with 2 gain settings; custom-made Teflon capacitors in RIAA sections of both phono modules; separate power supply. Output imp 10 ohms; line input imp 13 kilohms; phono input imp 825 ohms MC, 47 kilohms MM; single-ended line gain 0, 6, 12, or 18 dB; balanced line gain 6, 12, 18, or 24 dB; MC phono gain 58 or 64 dB; MM phono gain 38 or 44 dB. Preamp: 17 1/2 x 2 3/4 x 10 3/4 in. Power supply: 8 1/2 x 2 3/4 x 13 1/8 in; 29 lb \$3,495 Without phono stage \$3,195

McINTOSH

C-39 A/V Preamplifier

5 line-level and 1 phono/line-level input; 6 A/V inputs; front-panel A/V input; processor loop; balanced main outputs; 13 serial data ports; control connectors for 2 CD players, tuner, and SCR switcher. Compatible with CR-10 multiroom system and HC-1 controller. Dolby Pro Logic decoder with delay and calibration controls. 2-zone control; variable loudness and tone controls; muting; switched AC outlets. FR 20-20,000 Hz +0, -0.5 dB; THD 0.002%; S/N 90 dB phono, 105 dB line. 17 1/2 x 7 1/8 x 15 1/2 in \$2,795

C-37 A/V Preamplifier/EQ

9 A/V inputs; two tape-monitor loops. 5-band EQ; loudness control. FR 20-20,000 Hz +0, -0.5 dB; THD 0.002%; S/N 90 dB phono, 105 dBA line. 16 1/8 x 5 3/8 x 13 in; 18 lb \$2,395

C-37(W). Wide-chassis version \$2,395

C-38 A/V Preamplifier

6 line-level, 1 A/V, and 1 phono/line-level inputs; two processor loops; balanced outputs; 9 serial data ports; control connectors for 2 CD players and 1 tuner. Compatible with CR-10 multiroom system and HC-1 controller. Features digital logic IC's; electromagnetic switching. 2-zone control; variable loudness and tone controls; muting; switched AC outlets. FR 20-20,000 Hz +0, -0.5 dB; THD 0.002%; S/N 90

dBA phono, 105 dBA line level. 17 1/2 x 5 3/8 x 15 1/2 in; 23 lb \$1,995

C-35 A/V Preamplifier/EQ

9 A/V inputs; 2 tape-monitor loops. Features cascaded FET pair for input switching. 5-band EQ; loudness control. FR 20-20,000 Hz +0, -0.5 dB; THD 0.007%; S/N 90 dB phono, 105 dB line \$1,995

C-36 A/V Preamplifier

6 line-level, 1 phono, and 1 video inputs; dual processor loops; gold-plated inputs and outputs; AC-switched outputs. Digital logic IC's; electromagnetic switching; double-shielded power transformer; electronically regulated power supply. Separate listen and rec switching; variable loudness and tone controls; power-on muting. FR 20-20,000 Hz +0, -0.5 dB; THD 0.002%; S/N 90 dB phono; 105 dB line. 17 1/2 x 5 3/8 x 15 1/2 in; 18 lb \$1,595

MELOS

MA-333B Tube Preamplifier

6 inputs including MM and MC; 1 processor loop; balanced inputs and outputs. Features 3-chassis design, dual-mono construction; zero-feedback amplification; large toroidal transformers; regulated power supplies. Tiffany connectors. FR 20-300,000 Hz +0, -0.5 dB; THD 0.09%; sens 80 mV; S/N 75 dB MM, 70 dB MC \$4,995

MA-333B Line. As above, no phono stage \$3,195

MA-333. As MA-333B, 2 tape loops; no balanced inputs \$4,195

MA-333 Line. As MA-333, no phono stage \$2,395

MA-333 Phono. As MA-333, no line section \$2,195

MA-220 Tube Preamplifier. 6 inputs including MM and MC; 2 processor loops; balanced outputs. Features 2-chassis design, dual-mono construction; zero-feedback amplification; large toroidal transformers; regulated power supplies. Tiffany connectors. FR 20-300,000 Hz +0, -0.5 dB; THD 0.09%; sens 80 mV; S/N 75 dB MM, 70 dB MC \$2,695

MA-220 Line. No phono stage \$1,795

MA-220 Phono. No line section \$1,095

MA-111B Preamplifier

MC, MM phono inputs; 1 tape loop. Features heavy-aluminum chassis and external toroidal power supply. FR 2-300,000 Hz \pm 1 dB; THD 0.09%; sens 80 mV; S/N 70 dB MM, 65 dB MC; max output 30 V \$1,395

MA-110B. As above, no phono stage \$995

MERIDIAN

Model 603 Digital Preamplifier

2 coaxial and 2 fiber-optic digital inputs; 3 analog inputs. Features 1-bit PDM DAC converters; auto sampling-rate selection (32 or 48 kHz); passive differential analog filtering; 2-chassis design with digital audio, computer control circuits, and power supplies in 1 box, DAC converters and analog audio circuitry in other; 8 regulated power supplies. 64-step volume control; remote control. S/N 106 dBA \$2,500

Model 201 Preamplifier

6 MM MC inputs; 2 tape-monitor loops. Features dubbing capability; source monitoring. 64-step volume control; user-programmable mute level and volume offset between sources; remote control. Can be externally controlled as part of Meridian multiroom system. 12 1/4 x 4 x 6 1/4 in; 10 lb \$1,090

MFA PURE TUBE

MC Reference Preamplifier

Features fully regulated and separately buffered stages; buffered passive output section; MIT capacitors; Teflon circuit board; standby and fast mute protection circuitry; shielded and potted toroidal transformer; local input signal switching; vibration dampening; Cardas jacks; aluminum chassis. Stepped volume and balance controls; rec-out selector; mono/stereo switch. FR 1-400,000 Hz; THD 0.01%; max output 60 V; gain 80 dB \$8,000

MIRROR IMAGE AUDIO

Model .2P Preamplifier

Balanced outputs. Features DC-coupled transistor circuitry; polarity-inversion, absolute-phase, bridging, and biamping switches; remote control. THD 0.01% \$3,200

Model .2P Phono Module

Designed for the .2P preamplifier. Features 2 separate phono stages for MM and MC cartridges; RIAA equalization and tracking. Adjustable gain and input impedances. S/N 90 dB \$850

MOBILE FIDELITY

UltraAmp Preamplifier

6 line-level inputs and 3 line-level outputs including 2 tape-monitor loops. Features dual-mono design; separate buffer stage for tape outputs; separate power transformers and ground planes for each ch; conductive plastic potentiometers; fully discrete signal path with hand-selected transistors; double regulation for power supplies; silver-plated high conductivity switches. Volume and balance controls. Phono stage optional. FR 2-150,000 Hz \pm 3 dB; THD 0.02%; S/N 90 dB; gain 12 dB. 18 x 3 1/2 x 10 in \$1,695

MOD SQUAD

ALD-1 Preamplifier

1 direct and 8 buffered inputs; XLR balanced, RCA unbalanced, and RCA passive outputs. Features active line drive. FR 5-200,000 Hz +0, -0.5; max output 10 V; THD 0.1%; line-level sens 225 mV. Optional phono stage and external power supply available \$1,695

Deluxe Line-Drive AGT Preamplifier

5 line-level inputs and 2 tape loops; 2 main outputs wired in parallel for biampification. Features star grounding throughout; non-ferrous, nonmagnetic chassis. Front-panel input selector with mute, volume, and balance controls; switchable chassis shielding. FR 0-200,000 Hz +0, -3 dB; THD 0.0001%; input imp 12 kilohms; output imp variable; ch sep 86 dB. 16 1/2 x 2 1/2 x 10 3/4 in; 4 lb \$1,150

Standard. As above, lower quality parts \$650

MONARCHY AUDIO

Model 10 Preamplifier

High- and low-imp gold-plated outputs. Features fully complementary circuitry; unity-gain design; selectable buffered signal path with high-imp input, low-imp output; pure silver wiring; AC power required to activate buffered circuitry. THD 0.001%; buffered input imp 10 megohms, output 100 ohms \$980

MOTIF

MP11 Preamplifier

4 line-level outputs. Features all-FET design; RIAA EQ plus gain for MM and MC cartridges; polypropylene or



MTX Soundcraftsmen P100

polystyrene audio circuits and power-supply capacitors; metal-film resistors. FR 2-75,000 Hz +0, -3 dB; max output 10 V; THD 0.1%; gain 21 dB. 19 x 3 1/2 x 12 in; 15 lb \$2,395

MC10 Preamplifier

3 phono inputs; line-level inputs. All-FET design; polypropylene or polystyrene audio circuits and power-supply capacitors; metal-film resistors. 19 x 3 1/2 x 12 in; 15.5 lb \$2,395

MTX SOUNDCRAFTSMEN

Pro-Control 422 A/V Preamplifier/EQ

3 audio inputs including phono; 3 A/V inputs; 2 tape-monitor loops; signal-processor loop. Features independent listening and tape recording in multiroom applications; subsonic filter; differential/comparator output balancing. Defeatable tone controls; 10-band EQ with ±15-dB boost/cut range. FR 20-20,000 Hz ±0.1 dB; THD 0.005%; SN 97 dB phono; SN 116 dB. Rack-mount front panel. 19 x 5 1/4 x 10 1/2 in \$849
Pro-Control Four. As above, without EQ. 2 signal-processor loops. 19 x 3 1/2 x 10 1/2 in \$849
Pro-Control Three. As above, 2 tape-monitor loops, 1 signal-processor loop \$549

P100 Preamplifier

5 audio inputs including phono; tape-monitor loop; headphone jack. Features CMOS switching. Bass, treble, and balance controls; 1 switched and 1 unswitched AC outlets. FR 20-20,000 Hz ±0.5 dB; THD 0.008%; SN 100 dBA. 17 x 1 3/4 x 10 7/8 in \$360

MUSE

Model One Preamplifier

4 inputs; 1 tape loop. Separate power supply with 550-VA transformer. Mute switch: active/passive switch. FR 7-400,000 +0, -3 dB; THD 0.2% phono, 0.05% line; SN 73 dBA phono, 98 dBA line; ch sep 80 dB. Preamp: 19 x 3 1/2 x 12 in; 13 lb. Power supply: 19 x 3 3/2 x 12 in; 36 lb \$2,500

MUSEATEX

Melior DCC-1 Digital Preamplifier

4 fiber-optic/coaxial digital inputs; 2 tape-monitor loops; processor loop; analog outputs. Programmable LCD interface; C-Lock jitter elimination circuitry. Remote control. FR 1-20,000 Hz; THD 0.03%; SN 105 dB. 14 lb \$2,349

Melior AVC-1 A/V Preamplifier

4 audio inputs; 4 A/V inputs including 2 S-video; processor loop; balanced outputs. Programmable LCD interface. Remote control. FR 1-100,000 Hz; THD 0.25%; signal-to-noise ratio 48 dB video, 95 dB audio. 16 lb \$2,299

Melior ACC-1 Preamplifier

8 inputs; 4 tape-monitor loops; processor loop; balanced outputs. Programmable LCD interface. Remote control. FR 1-100,000 Hz; THD 0.25%; SN 95 dB. 14 lb \$1,949

PHO-1 Phono Preamplifier. Separate phono stage for AVC-1 and ACC-1 preamps \$599

MUSICAL DESIGN

SP-1 Tube Preamplifier

2 tape and processor loops. Separate power supply. Polarity-inversion switch; separate record and listen switches; direct input and mute switch; gold-plated inputs and outputs; removable power cord. FR 0.1-180,000 Hz; sens 100 mV; THD 0.001% \$995

NAD

Model 106 Monitor Series Preamplifier

5 line-level inputs; switchable MC/MM input with discrete phono preamp stage; gold-plated inputs and outputs; XLR balanced outputs. High-capacity power supply; metal-film resistors; power-on muting. Defeatable tone controls; discrete headphone amp. FR 20-20,000 Hz ±0.2 dB; THD 0.01%; SN 76 dBA MC/MM, 96 dBA line. 16 x 3 3/4 x 10 1/2 in; 8 lb \$549

Model 1600 Monitor Series Preamplifier/Tuner

4 line-level and 1 video inputs; MC/MM phono input; gold-plated phono and CD inputs; signal-processor loop. FM blend; infrasonic filter. 14 AM/FM presets; bass EQ; 2-way tape dubbing; defeatable tone controls; remote control; rack mountable. FR 20-20,000 Hz ±0.3 dB; THD 0.01%; SN 75 dBA phono, 100 dBA line. FM: cap ratio 1.6 dB; alt-ch sel 68 dB \$449

Model 1000 Monitor Series A/V Preamplifier

4 line and 1 video input; phono input; gold-plated phono and CD inputs; signal-processor loop; balanced output. Bass EQ; switchable infrasonic filter. 2-way tape dubbing; defeatable tone controls; headphone amp; rack mountable. FR 20-20,000 Hz ±0.2 dB; THD 0.01%; SN 76 dBA phono, 96 dBA line. 17 1/8 x 3 3/4 x 10 1/2 in; 8 lb \$299

NAIM

NAC 52 Preamplifier

Features separate power supply; dual-mono construction; motor-driven potentiometer; separate power supply for each section. LED indicators; remote control. Input sens: MM 2 mV at 47 kilohms, 100 μV at 470 ohms MC; Input 2, 3, 4 75 mV at 100,000 ohms; main output sens 0.775 V at 47 kilohms; overload margin 40 dB. 16 3/4 x 3 x 11 1/4 in \$10,950

NAC 72 Preamplifier

4 line-level inputs. Features matched and time-aligned filter. Power supplied externally from Naim power amps with preamp supply or Naim Hi-Cap preamp supply. Mute/monitor switch. Input sens: MM 2 mV at 47 kilohms, MC 100 μV at 470 ohms, line 75 mV at 100 kilohms; output imp 47 ohms; overload margin 40 dB. 11 1/4 x 3 x 8 in \$1,455

Phono option \$135
 Hi-Cap preamp supply option \$1,355

NAC 62 Preamplifier

4 line-level inputs. Power supplied externally from Naim power amps with preamp supply or Naim Hi-Cap preamp supply. Mute/monitor switch. Input sens: line 75mV at 100 kilohms; 2 mV at 47 kilohms MC; 100 μV at 470 ohms MC; overload margin 40 dB. 11 3/4 x 3 x 8 in \$965
 Phono option \$135
 Hi-Cap preamp supply option \$1,355

NAKAMICHI

CA-7A Preamplifier

6 line-level inputs; MC and MM phono inputs; 2 main-speaker outputs. Separate digital and analog sections; isolated ground technology; multiroom remote control with RS-7 infrared sensor. FR 1-100,000 Hz +0, -3 dB; THD 0.002%; SN 94 dBA. 17 1/8 x 3 3/4 x 12 1/4 in; 15.3 lb \$2,750

CA-5All Preamplifier

5 line-level inputs; MC and MM phono inputs; gold-plated inputs and outputs. Multiregulated isolated-ground power supply; bipolar transistors; low-noise FET's. Tape dubbing; balance and tone controls. FR 1-100,000 Hz +0, -3 dB; THD 0.002%; SN 95 dBA. 17 1/8 x 2 1/2 x 11 1/4 in; 11.3 lb \$1,150

NRG

PA1 Preamplifier

5 single-ended balanced inputs; balanced XLR and 2 single-ended outputs. Class A circuitry. Mute, stereo mono, and phase switches; output imp 50 ohms; line-level to output gain 14 dB; MM to line level gain 40 dB; MC to line level gain 60 dB; FR 0.4-1 MHz +0, -3 dB; slew rate 50 V/μs; THD 0.01% max at 10 V rms, 20-20,000 Hz \$6,600
 Phono option \$900
 Remote option \$500

OCM

Model 55 Preamplifier

1 line-level input; 4 unbalanced, 2 main, and 2 tape outputs; gold-plated RCA connectors. Direct-coupled design with DC-servo loop. Double sided, fiberglass-epoxy circuit board; silver-plated copper wiring. Dual monitoring capability. Input imp 50 kilohms; FR 20-20,000 Hz ±0.1 dB; gain 20 dB; THD 0.05%. Anodized black-aluminum faceplate \$1,395

ONKYO

Integra P-388F Preamplifier

9 audio inputs; MM/MC phono inputs; balanced CD input; 2 tape loops; balanced outputs. Features multi-stage balanced circuit design; transformer designed to prohibit electromagnetic interference; motor-driven volume control. Rec selector; remote control \$1,200

Grand Integra P-308 Preamplifier

8 inputs including MM/MC phono; 2 front-panel inputs. Features independent, magnetically shielded power supplies for each amp block; short signal-path routing; subsonic feedback loop to cancel DC components; signal in-phase filters to reduce common-mode noise. Defeatable tone controls; high-cut position on treble control; dual record-output selector; wood side panels. FR 0.8-170,000 Hz +0, -3



NAD Model 106

P R E A M P L I F I E R S



PSE Studio SL

dB; THD 0.0005% line; S/N 101 dB line. 18 1/4 x 4 x 15 7/8 in; 19 lb. \$660

Integra P-304 Preamplifier

8 inputs including MM MC phono. Features all-discrete signal path; signal in-phase filters; FET MM MC phono input. Two rec-out selectors; direct tone controls; side panels. FR 0.8-170,000 Hz +0, -3 dB; THD 0.0005% line; S/N 92 dB MM. 18 1/4 x 4 x 15 1/2 in; 17 lb. \$530

P-301 A/V Preamplifier

7 audio and 2 video inputs. Features multiroom capability; motor-driven volume control. Selective tone control; video dubbing; source-direct switch. FR 15-30,000 Hz ± 1 dB; THD 0.009% line; S/N 92 dB MM. 17 7/8 x 4 3/8 x 12 1/4 in; 9 lb. \$270

PARASOUND

P/FR-2000 Preamplifier

Fully balanced circuit; separate power supplies; C-MOS signal path; processor loop. Polarity inversion switch; C-MOS switching; remote control. FR 10-100,000 Hz; THD 0.005%; S/N 90 dB phono. 19 x 3 1/2 x 12 1/2 in. \$1,185

C/PT1100 Preamplifier Tuner

Features FMX decoder; Class A FET design; variable loudness contour; gold-plated inputs and outputs. Infrared repeater for multiroom applications; remote control; separate level-adjust for zone 2 outputs. FR 10-80,000 Hz; THD 0.005%; S/N 92 dB. 19 x 3 1/2 x 12 1/2 in. \$595

P/HP-750II Preamplifier

Features C-MOS switching for inputs, tape; variable loudness contour; high- and low-pass filters. Tape dubbing. FR 5-65,000 Hz; THD 0.006%; S/N 92 dB; phono overload 200 mV. 17 1/4 x 3 1/8 x 9 1/2 in; 10 lb. \$299

PERFECTIONIST AUDIO

Pro-Reference IIb Tube Preamplifier

Features toroidal transformer; platinum internal wiring; polypropylene or polystyrene capacitors in signal path; output muting; low-imp main and tape outputs. THD 0.1%; output imp 600 ohms; phono gain 43 dB; noise 90 dB below rated output. \$4,295

C.P.R. IIb Preamplifier

MC MM phono and line-level inputs. Features no capacitors in signal path; high-current power supply; platinum internal wiring; low output imp; user-adjustable gain and input imp. \$2,395

C.P.R. IIb Preamplifier

MC MM phono and line-level inputs. Features no capacitors in signal path; high-current power supply; platinum internal wiring; low output imp; RIAA EQ. Gain 36 dB; input imp 47 kilohms. \$1,950

C.P.R. Ib Preamplifier

Line-level input. Features no capacitors in signal path; high-current power supply; platinum internal wiring; low output imp. Gain 21 dB. \$1,550

PIONEER

Elite Series

The following feature cast-iron transformers, copper-coated capacitors, a video power supply, isolated transformers, and a bypass mode.

C-91 A/V Preamplifier

5 audio inputs including 2 tape-monitor loops and one MM MC phono input; 5 video inputs including 3 VCR loops; 3 S-video inputs and 3 S-video outputs; gold-plated terminals. Features individual power transformers for each channel and a separate transformer for video/control functions; subsonic filter; video enhancer; film condenser; motor-driven volume control. Rec-out selector; tape dubbing capability; programmable remote control. THD 0.002% from 20-20,000 Hz; FR 20-20,000 Hz ± 0.2 dB MM, 20-20,000 Hz ± 0.3 dB MC, 1-150,000 Hz +0, -3 dB line. 18 x 5 1/4 x 15 7/8 in; 22.8 lb. \$1,300

C-72 A/V Preamplifier

5 audio inputs; 5 composite S-video inputs including front-panel A/V input; gold-plated terminals. Features transformers for audio/relay and video/control; direct signal paths; motor-driven volume control; multiroom capability. A/V-rec selector; video dubbing capability; programmable remote control. THD 0.002% from 20-20,000 Hz; FR 20-20,000 Hz ± 0.2 dB MM, 20-20,000 Hz ± 0.3 dB MC, 1-150,000 Hz +0, -3 dB line. 18 x 6 1/2 x 16 1/2 in; 24.9 lb. \$850

POINTSOURCE

PRT100 Tube Preamplifier

Gold-plated inputs. Triode Class A design with phono stage. Volume and balance controls; rec-out selector. 19 x 3 1/2 x 8 in. \$850

PR102. Solid-state version of above. \$750

PS AUDIO

PS 5.6 Preamplifier

MC MM inputs; gold-plated connectors. PS 6.1 line stage and PS Phono Link phono stage in single-chassis. Single military-grade glass-epoxy board; multiple regulation; diode isolated power supply; passive phono EQ. Straight-wire and bypass switch. FR 20-20,000 Hz ± 0.1 dB; THD 0.1%; S/N 74 dB MC, 85 dB MM, 100 dB line. 17 x 2 1/2 x 9 in; 14 lb. \$799

Model 6.0 Preamplifier

6 inputs and 4 outputs; gold-plated connectors. Active or straight-wire/passive operation; defeatable balance and tape-monitor circuits. FR 20-20,000 Hz ± 0.1 dB; THD 0.1%; S/N 100 dB. 17 x 2 1/2 x 9 in; 14 lb. \$599

PSE

Studio SL Preamplifier

6 inputs; xLR balanced and RCA main outputs. Features discrete FET Class A design; separate discrete phono and line power supplies; metal-film resistors; absolute-phase reverse; auto mute. Switchable MM MC phono section; volume and balance controls. FR 30-16,000 Hz ± 0.25 dB phono, 1-60,000 Hz ± 0.25% line; output imp 330 ohms; slew rate 50 V/μs; noise 80 dBA at 5 mV rms MM, 70 dBA at 5 mV MC, 100 dBA at 1.2 V rms line; gain 48 dB MM, 32 dB MC, 20 dB line. Rack mount optional. 5-yr warranty. 18 x 1 3/4 x 8 1/2 in; 6 lb. \$950
Without phono stage. \$850

QED

C300 Preamplifier

3 line-level inputs; 2 tape loops; moving-coil/moving-magnet phono input; gold-plated connectors. Full-discrete phono and line-stage amp; separate record and play circuits. \$675

QUAD

The following feature a tilt control that adjusts FR slope in seven 1-dB steps.

Quad 66 Preamplifier

7 inputs. Features high-frequency filter with 7,000- or 5,000-Hz rolloff; bass control with rolloffs at 50 and 200 Hz; remote control. FR 30-20,000 Hz ± 0.5 dB phono, 20-20,000 Hz ± 0.2 dB line; THD 0.05%; sens (phono) 3 mV with options of 1 mV or 200 μV, S/N 75 dB; sens (aux 1/aux 2) 300 mV, S/N 93/99 dB; sens (CD) 300 mV, S/N 99 dB; sens (tuner) 100 mV, S/N 93 dB. 12 3/4 x 3 1/4 x 10 in; 7.5 lb. \$1,649

Quad 34 Preamplifier

4 inputs. 3 push-button filters; bass control. Distortion 0.5%; residual noise -105 dBA. \$849

QUICKSILVER AUDIO

Quicksilver Tube Preamplifier

Output Imp 12.5 ohms; bandwidth 0-650,000 Hz; distortion 0.001%. \$1,795

ROTEL

RTC950AX Preamplifier/Tuner

6 inputs including MM MC phono; processor loop; 2 main outputs; headphone jack. Bass and treble controls; tone defeat; tuner presets; auto/manual tuning; remote control. FM: usable sens 10.8 dBf; S/N 75 dB at 65 dBf stereo; THD 0.25% at 65 dBf and 1,000 Hz stereo; 50-dB quieting sens 37.2 dBf stereo; cap ratio 1 dB; all-ch sel 70 dB. Preamp: FR 20-20,000 Hz ± 0.2 dB phono, 4-100,000 Hz +0, -3 dB line; THD 0.004%; S/N 80 dB phono, 100 dB line. 17 3/8 x 3 3/8 x 13 3/8 in; 12.1 lb. \$600

RC980BX Preamplifier

8 inputs including MM MC phono; headphone jack. Features high-frequency passive and low-frequency active EQ; direct signal paths. CD-direct switch. THD 0.004%; FR 20-20,000 Hz ± 0.2 dB phono, 4-100,000 Hz +0.5, -3 dB line; S/N 85 dB MM, 70 dB MC, 100 dB line. 17 3/8 x 2 3/4 x 12 3/4 in; 9 lb. \$500

RC960BX Preamplifier

8 inputs including MM MC phono; headphone jack. Features direct signal paths. Defeatable tone controls; separate bass and treble controls; tone defeat/mono switch. THD 0.004%; FR 40-20,000 Hz ± 0.2 dB phono, 4-100,000 Hz -3 dB line; S/N 80 dB MM, 70 dB MC, 100 dB line. 17 3/8 x 2 3/8 x 11 1/4 in; 6.6 lb. \$300

JEFF ROWLAND

Consummate Preamplifier

3 balanced and 3 unbalanced inputs, balanced and unbalanced outputs. Class A FET design; separate power supply with dual toroidal transformer; AC power-line filter. Microprocessor-controlled volume and switching; remote control; selectable gain. Bandwidth 0.05-200,000 Hz +3 dB; total harmonic distortion 0.008%; input imp 600 ohms, 10 kilohms, or 100 kilohms; output imp 300 or 600 ohms. 15 x 5 1/2 x 13 3/4 in; 28 lb. \$5,950

Consummate Phono Stage. For above. Features balanced and unbalanced inputs and outputs; selectable gain. Output imp 150 or 300 ohms; bandwidth 0.15-250,000 Hz +3 dB; S/N 80 dB; THD 0.02%. 15 x 2 5/8 x 13 3/4 in; 10 lb. \$2,800

Consummate Phono Stage II. Single-ended input and output for above. Selectable gain. Bandwidth 0.15-220,000 Hz +3 dB; S/N 80 dB; THD 0.04%. 7 1/2 x 2 5/8 x 13 3/4 in; 3 lb. \$950

Coherence One Series II Preamplifier

MM MC phono input; 3 line-level inputs; tape-monitor loop. Solid-state FET design with power supply. Split-passive RIAA EQ; phase reversal and full muting; separate L/R level controls. Phono: bandwidth 0.15-220,000 Hz +3 dB; gain 61 dB; THD 0.025%. Line: gain 19 dB; bandwidth 0.06-650,000 Hz +3 dB; THD 0.01%. 19 x 3 3/4 x 12 1/2 in; 29 lb. \$4,600

Consonance Preamplifier

1 phono and 5 unbalanced inputs; balanced and unbalanced outputs. Features microprocessor-controlled volume and switching; remote control. Line section: bandwidth 0.08-200,000 Hz +3 dB; THD 0.012%; input imp 600 ohms, 10 kilohms, or 100 kilohms; output imp 300 or 600 ohms; selectable gain. Phono section: bandwidth 0.15-220,000 Hz +3 dB; THD 0.04%. 15 x 2 5/8 x 13 3/4 in; 14 lb\$3,700

SONOGRAPHIE

SC22 Preamplifier

6 line-level inputs. Features FET design with polypropylene and polystyrene capacitors for all audio circuits; discrete power-supply regulation. FR 5-100,000 Hz ±0.5 dB; max output 10 V; THD 0.1%; phono overload 150 mV. 17 x 12 1/4 x 2 1/2 in\$695

SC22P. Phono stage option for SC22. Discrete FET regulated power supply\$189

SONY

ES Series

TA-E2000ESD Digital A/V Preamplifier

Fiber-optic digital output, 1 coaxial and 2 fiber-optic digital inputs; 5 audio inputs including phono; 7 A/V inputs including 3 S-video inputs, 3 VCR-monitor loops, and 1 front-panel S-video input; 2 subwoofer and 2 center-channel outputs. Features DSP with pulse A/D conversion, 1-bit D/A conversion, 45-bit digital filter, and auto sampling-rate switching; Dolby Pro Logic decoder; digital ch-sep control; source-direct switch. 10 factory and 10 user sound-field presets; 10 adjustable sound-field parameters; digital 3-band parametric EQ with 91 center frequencies, 16 slopes, and ±12-dB boost/cut in 0.1-dB increments; independent EQ's for front, center, and rear channels; digital dynamic-range compression/expansion; rec-out selector; 3 switched and 1 unswitched AC outlets; programmable A/V remote control. FR 20-20,000 Hz -0.2 dB phono, 10-20,000 Hz ±0.1 dB line; THD 0.004% at 1,000 Hz. Simulated-wood side panels. 18 1/2 x 6 x 14 1/4 in; 18.8 lb\$1,200

TA-E80ES Preamplifier

7 audio inputs including MM/MC phono; balanced XLR analog inputs and outputs; signal-processor loop. Features glass-epoxy circuit boards; dual-mono design; source-direct switch. Selectable phono load imp; rec-out selector; remote control. FR 20-20,000 Hz -0.2 dB phono; 3-300,000 Hz +0, -3 dB line; S/N 83 dB MC, 95 dB MM, 105 dB line; THD 0.001%. Simulated-wood side panels. 15 1/2 x 5 1/4 x 14 1/2 in; 28.6 lb\$900

SOUND ENGINEERING

PFM-2B Preamplifier

High-current Class A design\$1,750

SOUNDSTREAM

C-1 MkII A/V Preamplifier

4 line-level inputs; 1 phono/aux input; 2 VCR loops. Features dual-mono Class A circuitry; discrete component signal path; separate power supply for audio; digital switching circuitry to link Soundstream components; A/V dubbing; rec-out selector; programmable remote control. FR 20-20,000 Hz ±0.1 dB; THD 0.05%; S/N 100 dB; input imp 30 kilohms; input sens 100 mV for 0.5 V output\$1,195

SPECTRASCAN

LCA-10-MC Preamplifier

6 inputs; 2 line-level outputs. Features input buffer amp; dual head amps; toroidal power transformer. Switchable input capacitance for MM input; separate source and record switches; low-noise MC head amp. FR 3-250,000 Hz; THD 0.05% from 20-20,000 Hz line; IM 0.05%; S/N 100 dB; sens 100 mV for 1 V output. 19 x 3 3/4 x 9 1/2 in; 17 lb\$1,969

Without head amps\$1,569

SUMO

Diana Preamplifier

6 inputs; XLR balanced inputs/outputs. 2 chassis design with two 40-VA transformers and 4 high-voltage regulation stages; DC-coupled design; 1% metal-film resistors. FR 20-20,000 Hz ±0.1 dB; THD 0.008%; S/N 100 dB; output imp 50 ohms\$1,399

Athena II Preamplifier

Gold-plated balanced inputs/outputs. Fully complementary, Class A discrete line stage; all 1% metal-film resistors; polystyrene bypass capacitors; separate power supply for each channel; 50 V peak-to-peak output voltage swing. Separate record and select functions: laser-trimmed volume potentiometer; CD-direct switch; tape monitor. FR 0.2-300,000 Hz ±0, -3 dB; THD 0.005% at 3 V rms; line stage S/N 100 dB at 3 V rms output\$699

Bitstream D/A-converter card\$500

Plug-in MM/MC phono card\$150

SUPERPHON

SP-100 Preamplifier

5 inputs; 1 tape loop; gold-plated RCA connectors. Power regulation through 2-stage dual-mono shunt regulators; zero-gain, zero-feedback, direct-coupled, imp conversion line-stage. Panel controls with silver regulators; volume and balance controls. THD 0.0018%; S/N 95 dBA\$399

TARA LABS

Passage Tube Preamplifier

6 inputs; phono input; rhodium and copper-plated RCA connectors. Vacuum-tube design constructed from aluminum alloy with Class A power-supply regulator. Features Space & Time Internal wiring; Space & Time AC power cable; full tape-switching/dubbing facilities\$1,498

Passage Line-Stage Tube Preamplifier

6 inputs; gold-plated RCA connectors. Vacuum-tube, dual-mono design; 12AU7 vacuum tubes; Class A power-supply regulator. Features Space & Time internal wiring; Space & Time AC power cable; full tape-switching/dubbing facilities. FR 1-100,000 Hz\$995

THRESHOLD

Model FET Ten/e Preamplifier

1 unbalanced/balanced input and output; 5 line-level inputs; 2 tape loops. Features high-level noninverting FET design; external power supply; parallel input JFET's; secondary gain stages with cascoded MOS-FET's to suppress voltage fluctuations; military-grade glass-epoxy circuit boards with gold-over-nickel-over-copper-plated paths; gold-plated connectors with Teflon insulation; metal-film and wire-wound resistors used throughout. Controls for program-source selector, record-signal routing, and monitor-signal selection. Bandwidth 0-125,000 Hz; THD 0.01%; crosstalk 75 dB; noise -110 dBA referenced to 1 V input. 19 x 1 3/4 x 11 in\$3,200

Model FET Nine/e Preamplifier

3 line-level inputs; MM/MC phono input; 2 tape loops. Features noninverting FET design; external power supply; military-grade glass-epoxy circuit board with gold-over-nickel-over-copper-plated paths; gold-plated connectors with Teflon insulation; metal-film and wire-wound resistors used throughout. FR 0-125,000 Hz at -3 dB; THD 0.01% at 3 V rms 20-20,000 Hz into 10,000-ohm load; line-level input imp 25 kilohms. 19 x 1 3/4 x 11 in\$2,250

Without phono stage\$1,990

VAC

CPA1 Tube Preamplifier

6 line-level and 1 MM/MC phono inputs; 2 main outputs; tape-monitor loop. Features Class A tube design; separate power supply. Phono impedance and capacitance loading adjuster. Adjustable phono and

line gain. FR 20-20,000 Hz phono, 6.5-90,000 Hz line. High-gloss black-lacquer face plate. 55 lb\$3,890

CLA1. As above, no phono stage. Features switching, gain, and impedance buffering. 50 lb\$2,590

Vintage Series Preamplifier

4 line-level and 1 phono input; tape-monitor loop. Features Class A tube design\$1,950

Vintage Series Line. As above, no phono stage. Features switching, gain, and impedance buffering\$1,450

WOODSIDE/RADFORD

SC 26 Tube Preamplifier

2 buffered tape outputs. Separate power supplies for each stage; sealed reed relays for input switching; single-strand silver-plated Teflon-insulated wire. Input selectors for main and tape output. FR 5-50,000 Hz -1 dB; THD 0.1%; S/N 85 dB; sens 100 mV \$2,895

With optional phono stage. MC and MM inputs with custom transformers on phono board. THD 0.1%; S/N 80 dBA MM; sens 0.2 mV MC, 2 mV MM\$3,875

WRIGHT AUDIO

Custom Series Tube Preamplifiers

The following feature a vacuum-tube design, point-to-point hard wiring, metal polypropylene capacitors, and an aluminum chassis with red-oak front and side panels. Each can accommodate 6 inputs and 4 outputs (tape recording, passive, low and high impedance). Controls include tape recording buffer and tape-monitoring switches. 3-yr parts warranty, 6 months on tubes.

PLT-1. Phono and line gain stages with stepped, matched channel bass and treble controls\$875

SP-2. As above, high-impedance and tape outputs only\$595

PT-1. Phono stage only with stepped, matched-channel bass and treble controls\$775

PL-1. Phono and line gain stages\$725

LT-1. Line gain stage with stepped, matched-channel bass and treble controls only\$725

P-1. Phono stage only; passive line control\$625

T-1. Stepped, matched-channel tone control stage only; passive line control\$625

L-1. Line gain control stage only\$575

YAMAHA

CX-2000 Digital A/V Preamplifier

10 audio inputs; 4 video inputs; 4 digital inputs; 1 fiber-optic and 2 coaxial outputs; 5 audio and 2 video outputs. Includes 8x oversampling digital filter and dual D/A converters; auto sampling-rate selection. Continuously variable loudness control; 6-position MC/MM selector; source-direct switch; 12-position rec-out selector; simultaneous recording capability for 2 VCR's. 33 lb\$1,499

CX-1000U Digital A/V Preamplifier

4 coaxial and fiber-optic digital inputs; 4 video inputs; MM/MC phono input; 1 fiber-optic and 2 coaxial outputs; 5 audio outputs; 2 video outputs. Features 8x oversampling digital filter; dual D/A converters; auto sampling-rate selection. Continuously variable loudness control; 6-position MM/MC selector; source-direct switch; 12-position rec-out selector; simultaneous recording capability for 2 VCR's; audio mute; RS-system-compatible remote control. 28 lb\$1,199

CX-830 A/V Preamplifier

8 audio and 3 video inputs; switchable MC/MM phono input; gold-plated inputs; 4 audio and 2 video outputs. Features continuously variable loudness control; defeatable tone controls; source-direct switch; 8-position rec-out selector; switchable subsonic filter; RS-system-compatible programmable remote control. 12 lb\$699

CX-630. As above, 6 audio and 2 video inputs; 6-position rec-out selector. Features simultaneous recording capability for two VCR's. 11 lb\$449

ACE AUDIO

The following crossovers feature a shielded metal chassis and fiberglass circuit boards.

- Model 6500-SF Active Crossover**
2 way. Crossover point set from 30-199 Hz via plug-in module. Designed for bi-amplification with stereo subwoofer. Features 12-dB/oct slope; 18-dB/oct subsonic filter at 15 Hz. Includes 1 plug-in module with buyer-specified crossover point \$200
- Model 6500-DSB.** As above, without subsonic filter \$175
- Model 6500-M.** As Model 6500-DSB, for mono subwoofer \$175
- Model 6500-W.** As Model 6500-DSB, with dual level controls \$175
- Additional plug-in modules \$60

- Model 6000-SF Active Crossover**
2 way. Crossover point set from 200-17,000 Hz via plug-in module. Features 12-dB/oct slope; 18-dB/oct subsonic filter at 15 Hz. Includes 1 plug-in module with buyer-specified crossover point \$200
- Model 6000.** As above, no subsonic filter \$175
- Additional plug-in modules \$60

- Model 6000-6 Active Crossover**
2 way. Crossover point set from 40-16,000 Hz via plug-in module. Features 1%-tolerance components; 6-dB/oct slope. Dual level controls. Includes 1 plug-in module with buyer-specified crossover point \$195
- Additional plug-in modules \$53

Filters

- Model 4100-X24b.** Ultrasonic/subsonic filter to roll off signals below 20 Hz at 24 dB/oct and above 20,000 Hz at 12 dB/oct \$143
- Model 4000-X24.** Subsonic filter to roll off signals below 20 Hz at 24 dB/oct with -3-dB response at 20 Hz \$132
- Model 4100b.** Ultrasonic/subsonic filter to roll off signals below 20 Hz at 18 dB/oct and above 20,000 Hz at 12 dB/oct \$109
- Model 4000b.** Subsonic filter to roll off signals below 20 Hz at 18 dB/oct \$99

ACOUSTIC RESEARCH

- Limited TSU 6-Band Equalizer**
Tonal shaping unit. 6-band response correction system. 14 lb \$2,200

ACURUS

- P10 Phono Preamplifier**
For MM MC cartridges. Features discrete Class A circuitry; polypropylene capacitors. Gold-plated input and output jacks. Selectable gain and loading for MM and MC cartridges. 17 x 2 x 9 in \$395

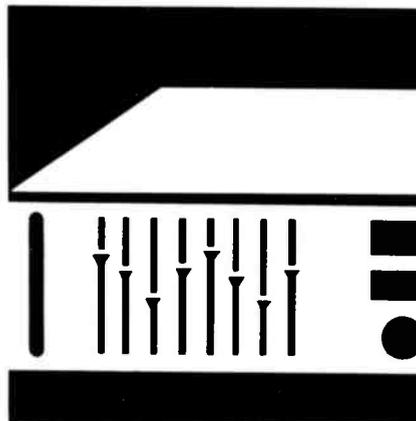
AMERICAN HYBRID TECHNOLOGY

- AHT/X Active Crossover**
2 way. Custom-built crossover frequency, slope, and gain. External power supply. Line-level inputs. Preamp gain controls. FR 1-200,000 Hz; SN 120 dB; distortion 0.005%; input imp 10,000 ohms; output imp 100 ohms \$5,200

- AHT/P Phono Preamplifier**
For MC cartridges. Features external power supply; Vishay resistors; Teflon capacitors; WBT connectors; Lemo power supply connectors. FR 1-50,000 Hz; SN 98 dB \$2,500

ARCHER by RADIO SHACK

- Archer Surround Processor/Amplifier**
Stereo synthesizer. 3 selectable inputs; tape output. Tone control; front/rear and left/right balance controls. 5 W x 2; THD 0.5% at 1,000 Hz, 2 W; FR 40-20,000 Hz \pm 3 dB front, 80-7,000 Hz \pm 3 dB rear; SN 70 dB \$130



AUDIO by VAN ALSTINE

- FET-Valve Phase Inverter Bridge**
Converts preamplifier outputs to Inverted and non-Inverted stereo outputs allowing bridged-mono operation with pair of stereo common-ground amplifiers. Features vacuum tube and MOSFET circuitry. 9 x 3 x 7 in; 3 lb \$395

AUDIO CONTROL

- R-130 Real-Time Spectrum Analyzer**
30-band, 1/3-oct analyzer. XLR and RCA jacks. Pink-noise generator with level control and calibrated mic; display with selectable moving bar/dot and speed; mic/line monitoring; sens control; switchable 2/4-dB resolution. Optional rack mount \$649

- C-131 30-Band Graphic Equalizer**
30-band mono design. Features defeatable 18-dB/oct subsonic filter with selectable 15/25/35-Hz cutoff; high-speed, constant-Q circuitry; regulated power supply; level matching. XLR and RCA inputs. Slider controls. THD 0.005%; SN 105 dB; FR 10-85,000 Hz \pm 0.5 dB. Optional rack mount and security cover \$529

- C-101 Series Two 10-Band Equalizer/Analyzer**
Center frequencies at 32, 60, 120, 240, 480, 960, 1,920, 3,840, 7,680, and 15,500 Hz; \pm 15-dB boost/cut range. Features 18-dB/oct subsonic filter with -1 dB rolloff at 25 Hz, -3-dB rolloff at 20 Hz, and -21-dB rolloff at 10 Hz; phase-correlation and rumble-reduction circuits. Slider controls; spectrum-analyzer display; 2 peak-reading speeds; horizontal LED SPL indicators; variable input sens; auto mic/line input switching; pink-noise generator \$429

- Richter Scale III EQ/Active Crossover**
EQ with center frequencies at 22.5, 31.5, 45, 63, 90 and 125 Hz; 12-dB boost/cut range. 2-way crossover with user-selectable cutoff point from 20-20,000 Hz and 24-dB/oct slopes. Mono and inverted-mono outputs for bridging; gold-plated jacks; tape-monitor loop. Warble test-tone analyzer. FR 3-100,000 Hz \pm 1 dB; THD 0.005%; input imp 100 kilohms; output imp 150 ohms, SN 120 dB \$349

- Ten Plus Series Two 10-Band EQ/Analyzer**
Center frequencies at 31, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. 18-dB/oct subsonic filter. Paired slider controls; LED indicators; warble-tone analyzer. FR 3-100,000 Hz \pm 1 dB; THD 0.005%; SN 120 dB \$329

- Phase-Coupled Active Crossover/Bass Restorer**
2 way. User-selectable crossover points from 20-20,000 Hz. Features patented bass-restoration circuitry; subsonic filter with 18-dB/oct slope; 18-dB/oct crossover slopes. Tape-monitor loop. Level control; bypass switch. FR 5-100,000 Hz \pm 3 dB; SN 118 dB; THD 0.005%. Rack mountable \$259

- Ten Series Two 10-Band Graphic Equalizer**
Center frequencies at 31, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. 18-dB/oct subsonic filter. Paired slider controls with LED's. FR 3-100,000 Hz \pm 1 dB; THD 0.005%; SN 120 dB. 17 x 3 1/4 x 7 1/4 in \$229

- The Architect 6-Band In-Wall-Speaker EQ**
Center frequencies and filter Q's set to match in-wall speaker's FR characteristics. 18-dB/oct subsonic filter with programmable rolloff frequency. THD 0.005%; SN 110 dB; FR 5-50,000 Hz \pm 3 dB \$189

- Octave 10-Band Graphic Equalizer**
Center frequencies at 31, 63, 125, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. 18-dB/oct subsonic filter. Oct slider controls; rec EQ. FR 3-100,000 Hz \pm 1 dB; SN 118 dB; THD 0.008%. 17 x 2 1/2 x 6 in; 6 lb \$159

AUDIO DESIGN ASSOCIATES

- SSD-66 Surround-Sound Processor**
6 channels with Dolby Pro Logic decoder and THX controller. Features auto balance; auto mono enhancement; music and film THX modes; digital volume control; 4-quadrant vector scope indicating volume levels; serial data communication port for integration with System 3000 multiroom AV system. 19 x 1 3/4 x 16 1/2 in \$2,850
- SSD-66.** As above, without THX controller \$1,695

AUDIO RESEARCH

- EC22 Active Crossover**
2-way solid-state design. Auto/manual muting and level matching. FR 0.02-450,000 Hz -3 dB; SN 120 dB. 19 x 5 1/4 x 10 1/4 in \$2,600

- PH1 Phono Preamplifier**
2 inputs; 2 outputs; gold-plated RCA jacks. Features FET's; shielded toroidal transformer; discrete Class A circuitry. Manual muting; LED indicator. FR 10-60,000 Hz \pm 0.25 dB; THD 0.005% at 0.25 V rms, 1,000 Hz; 48 dB gain at 1,000 Hz; input imp 47 kilohms; output imp 30 ohms; max input 160 mV rms at 1,000 Hz. 3-year warranty. 19 x 5 1/4 x 10 1/4 in; 10 lb \$1,495

AUDIOSOURCE

- EQ-Ten 12-Band Equalizer/Spectrum Analyzer**
Center frequencies at 25, 40, 63, 100, 160, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; 12-dB boost/cut range. Features pink-noise generator; computer-controlled EQ for listening-room acoustics. 2 tape inputs and outputs. 4 EQ-curve presets; dubbing with or without EQ; LED display for LR channels; 12 LED indicators for spectrum analyzer; remote control. FR 5-120,000 Hz \pm 1 dB; THD 0.008% at 1-V output. 16 1/2 x 3 1/2 x 8 3/4 in; 8 lb \$430

- SS-Three/II Surround Processor**
Features Dolby Pro Logic decoder; 30-W rear-channel amp; toroidal power transformer; switchable subwoofer crossover. Line-level outputs including center-channel and subwoofer. Variable subwoofer output-level control; adjustable time delay; auto balance and calibration for LR inputs; rear, center-channel, and master volume controls; remote control. FR 20-20,000 Hz \pm 3 dB; SN 90 dB \$400

- SS-Four Surround Processor**
Features Dolby Pro Logic decoder; hall and matrix surround modes for non-Dolby encoded sources; digital time delay (30 or 50 ms) with hall and Dolby modes. 24 W x 2 center/rear-channel amps; auto-balance and digital logic circuitry; test signal generator for speaker-level adjustments. Line and tape inputs; subwoofer output; line-level outputs for center and surround channels; 1 unprocessed line-level output. Selectable center-and-rear-channel or dual-rear-channel operation; 4 LED output signal indicators for left, center, right, and surround channels; remote control. Subwoofer crossover point 100 Hz. 16 1/2 x 2 1/8 x 9 1/8 in; 9 lb \$330

EQ-Twelve 10-Band EQ/Spectrum Analyzer
Center frequencies at 30, 60, 120, 240, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; 12-dB boost/cut range. Features pink-noise generator; electret condenser mic. 3 audio inputs; 1 video input; dual tape-monitor loops. Separate listen/rec capability; power output meter; input level controls; defeatable sub-harmonics frequency filter. Rack mountable. FR 5-100,000 Hz ± 1 dB; THD 0.015%; S/N 98 dB. 19 x 4 $\frac{3}{8}$ x 10 $\frac{1}{4}$ in; 10 lb \$300

SS-Two Surround-Sound Processor
Synthesis and matrix surround processing. Features 30-W rear-channel amp. Line-level outputs. Adjustable time delay; LED audio-level indicators; remote control. FR 20-20,000 Hz, ± 3 dB; S/N 85 dB \$250
SS-One/II. As above, without remote control... \$200

EQ-Eleven 10-Band Equalizer/Spectrum Analyzer
Center frequencies at 30, 60, 120, 240, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; 12-dB boost/cut range. Unity gain capability. A/V inputs; 2 tape-monitor loops; front-panel LED indicators \$200

EQ-Eight/II Equalizer/Spectrum Analyzer
12-dB boost/cut range. 90-LED spectrum display; LED's on slide controls; EQ-rec switch; EQ defeat; tape-monitor switch. FR 5-100,000 Hz ± 1 dB; THD 0.03%; S/N 80 dB. 16 $\frac{1}{2}$ x 2 $\frac{3}{8}$ x 7 $\frac{1}{8}$ in; 5 lb \$160

AZDEN

AVS-20 Audio Video Selector
4 A/V line inputs; mic input; 1 A/V line output; 1 monitor output; S-video jacks. Mixing balance control. FR 10-100,000 Hz; ch sep 80 dB at 1,000 Hz \$130
AVS-20. As above, no mic mixer \$110

BAG END

ELF-1 Equalizer/Crossover
12-dB/octave slope. Features digitally-controlled mono/stereo output; variable 8-80 Hz low-pass filter, 50-205 Hz high-pass. Balanced XLR inputs and outputs. Time offset $\pm 25 \mu\text{s}$ 0° phase shift electronically induced; THD + noise 0.05% at full output ... \$1,988

BBE

BBE-1002 Sonic Maximizer
Designed to enhance midrange presence by correcting phase and amplitude distortion inherent in speakers. Separate bass contour; definition controls \$229

BRYSTON

The following components come with a 20-year parts and labor warranty.

Model 10B Active Crossover
2 or 3 way. Cutoff frequencies: 70, 100, 140, 200, 300, 450, 700, 1,000, 1,400, 2,000, 3,000, 4,500 Hz. Features Independently selectable low- and high-pass points; 6-, 12-, or 18-dB/oct slope, 24- or 36-dB/oct slope Linkwitz-Riley alignment in mono mode; 1% metal-film resistors; polystyrene capacitors; gold-plated switches; discrete amplification buffer and filter stages. Front-panel switching controls filter settings, rolloff frequency, and slope; level controls in 1-dB increments. S/N 90 dB; distortion 0.005%; normal input level 1 V; input imp 20 kilohms; output imp 100 ohms; ± 5 dB gain (high-pass) \$1,195
With balanced inputs/outputs \$1,350
With Linkwitz-Riley filters and custom cutoff points \$1,395
With Linkwitz-Riley filters and balanced inputs/outputs \$1,495

TF-1 MC Phono Preamp
MC phono stage. FR 5-30,000 Hz ± 0.5 dB; MC phono S/N 85 dB unweighted. 2 x 3 x 4 in \$750

BP6 Phono Preamp
For MM MC cartridges. Features balanced outputs; polarity inverter. MM phono sens 1.25 mV for 0.5-V

output at 1,000 Hz; MM phono overload 200 mV; S/N 80 dB MM \$650

CARVER

DPL-33 Surround Processor/Amp
5 channels with Dolby Pro Logic decoder. Features motor-driven master volume control. Hall surround mode; 2 delay settings; auto balance for Dolby decoding; test-tone generator; rear and center level controls; 20-LED output display; remote control. 25 W x 1 (center) + 15 x 2 (rear) from 20-20,000 Hz with 1% THD. FR 20-20,000 Hz +0, -0.3 dB; S/N 85 dBA. 19 x 3 $\frac{3}{4}$ x 12 $\frac{3}{4}$ in \$470

H-9AV Sonic Hologram Generator
Ambience enhancer. Features precognition circuitry for optimized soundtracks; dialog processor. Holography-level control. FR 10-20,000 Hz +0, -3 dB; THD 0.05%; S/N 90 dBA. 19 x 2 x 3 $\frac{3}{8}$ in \$400

ECS-U Speaker-Enhancement System
Sonic Hologram ambience enhance optimized for planar or reflecting-type speakers. 5 sonic enhancement/adjustment circuits; presence/listener distance circuit; sub-bass restoration circuitry. High-frequency trim; variable bass Q. Connects in tape-monitor or signal-processor loop. FR 5-20,000 Hz +0, -3 dB; THD 0.1%; S/N 90 dBA. 9 x 2 $\frac{1}{2}$ x 9 $\frac{1}{4}$ in \$350

CARY

CAD-5500 Digital/Analog Processor
Designed to tame bright sounds by routing signal through time-sequence and RF-filter stages. Features Class-A triode circuitry with four 12AX7 tubes; metal film resistors; toroidal power transformer; polystyrene and polypropylene capacitors; dual regulated 12-V DC power supply; printed circuit boards. 4 inputs; gold-plated Teflon inputs and outputs. Volume, balance and selector controls. S/N 88 dB \$1,695
CAD-5500S. As above, with 2 inputs \$1,295
Black Box. As above, without volume, balance, or selector controls \$995

CELLO

Audio Palette MIV 6-Band Graphic Equalizer
Center frequencies at 15, 120, 500, 2,000, 5,000, and 25,000 Hz; 24-dB boost/cut range. Class A discrete circuitry. One 3-pin Fischer balanced and 3 RCA unbalanced inputs. Nine 59-notch rotary controls; front-panel input selector; LR input-sens, absolute-phase, EQ, and output-level controls .. \$17,000
Audio Palette. As above, with 1 balanced input \$15,000

Palette 6-Band Equalizer/Pwamplifier
Center frequencies at 20, 120, 500, 2,000, 5,000, and 20,000 Hz. 5 RCA line-level inputs; 2 RCA rec outputs. LR input and output-level controls... \$6,500

CROWN INTERNATIONAL

FFX-2 Active Crossover
2- or 3-way mono network. Crossover frequencies set via plug-in resistors; 18-dB/oct high-pass and low-pass filters. FR 20-20,000 Hz ± 0.1 dB; THD 0.05%; S/N 100 dB; input imp 20 kilohms balanced. output imp 600 ohms. 19 x 1 $\frac{3}{4}$ x 6 $\frac{1}{2}$ in; 5 lb .. \$345

DB SYSTEMS

DB-3-36 Active Crossover
2 way. Low- and high-pass outputs; diode-protected inputs. THD 0.0008%; input imp 90 kilohm; max output imp 1,400 ohms; rated output 3 V into 10 kilohms with 3-V input \$565

DB-3-24 Active Crossover
2 way. Selectable frequencies. Features 24-dB/oct slope. Low- and high-pass outputs; 6-dB drop at crossover point. Requires DB-2A power supply or DBP-1 cable \$490
DB-3-24-100. As above, set at 100 Hz \$405

DB-5 Tone Control
3 low- and 3 high-break frequencies; low-frequency-boost switch; outputs for sum and difference signals. FR 10-100,000 Hz ± 3 dB; S/N 96 dB; THD 0.0008%. Requires DB-2A power supply or DBP-1 aux cable if used with DB Systems equipment. 8 $\frac{1}{2}$ x 3 $\frac{1}{4}$ x 7 in; 2.8 lb \$420

DB-3 Active Crossover
2 way. Fixed-frequency with 6- or 12-dB/octave slope. Features separate power supply; screwdriver-adjustable output level. FR 10-100,000 Hz ± 1 dB; S/N 100 dB; THD 0.003%. 8 $\frac{1}{2}$ x 3 $\frac{1}{4}$ x 7 in. 3 lb \$292
3 way, 18 dB/octave \$539
2 way, 18 dB/octave \$384
2 way, 100 Hz, 18 dB/octave \$322
DB-2A. Power supply \$125
DBP-1. Aux cable \$18

DB-4B Phono Preamp
For MC cartridges. Features low-noise cascode amps; diode-protected inputs. Internal low/medium/high-gain switch. THD 0.0008%; noise -86 dB at 1 mV; FR 10-100,000 Hz +0, -0.1 dB; max load 10 kilohms, 3,000 pF \$205
With DBP-4 coupler, DB-2A power supply \$275

DB-7 Phase Inverter/Bridging Adaptor
Features 18-dB/oct ultrasonic and subsonic filters. FR 10-100,000 Hz ± 1.5 dB; S/N 109 dB; THD 0.003%. Requires DB-2A power supply or DBP-1 aux cable if used with DB Systems equipment. 6 $\frac{1}{4}$ x 2 $\frac{1}{4}$ x 4 $\frac{1}{2}$ in; 1 lb \$205

DBP-11 Phono Capacitance Switch Box
Features front-panel-switchable 100-400-pF loading for 2 mm phono cartridges. Gold-plated phono jacks and plugs \$80
DBP-11MC. As above, with resistive values. 5-ohm load \$80

DBP-2J/5 Passive Switch Box
Switching module with 10 inputs and 2 outputs for switching 5 audio sources. Selectable cartridge loading with DBP-6 or 6MC. A-B comparisons possible with 2 Y-adaptors \$70
DBP-2JAU/5. As above, gold-plated inputs/outputs \$90
Alps volume control \$40

DBP-6 Phono Equalization Kit
Adds 100-400-pF capacitance to phono input of preamp or receiver. 2 gold-plated Y-adaptors and phono plugs with polystyrene capacitors wired to 100, 150, 200, 300, and 400 pF. 1% metal-film resistive load included \$37
DBP-6MC. As above, for MC cartridges. 1% metal-film resistor loads of 10, 20, 50, 100, and 200 ohms. Two empty plugs included \$37

DECOURSEY

Model 120 Modular Crossover Systems
The following systems are modular designs consisting of a chassis and various plug-in filters; chassis and filter options are listed below.

Stereo Quad-amp, 2 SS. 120-Q8 chassis; 6 dual filters; 2 SS or SSB filters (see subheading below for descriptions of these filters). 24- or 30-dB/oct slope \$540
With 6-, 12-, or 18-dB/oct slope \$441
Stereo Quad-amp, SW (Single Woofer) & SS. 120-Q8 chassis; 6 dual filters; 1 SS or SSB filter; 1 summing circuit for mono subwoofer applications. 24- or 30-dB/oct slope \$535
With 6-, 12-, or 18-dB/oct slope \$436
Stereo Quad-amp, SW (Single Woofer). 120-Q8 chassis; 6 dual filters; 1 summing circuit for mono subwoofer applications. 24- or 30-dB/oct slope \$509
6-, 12-, or 18-dB/oct slope \$410
Stereo Quad-amp. 120-Q8 chassis; 6 dual filters. As above, 24- or 30-dB/oct slope \$487
6-, 12-, or 18-dB/oct slope \$388
Stereo Tri-amp, 2 SS. 120-T8S chassis; 4 dual

filters; 2 SS or SSB filters. 24- or 30-dB/oct slope	\$408
6-, 12-, or 18-dB/oct slope	\$342
Stereo Tri-amp, SW & SS. 120-T8S chassis; 4 dual filters; 1 summing circuit; 1 SS or SSB filter. 24- or 30-dB/oct slope	\$403
6-, 12-, or 18-dB/oct slope	\$337
Stereo Tri-amp, SW. 120-T8S chassis; 4 dual filters; 1 summing circuit. 24- or 30-dB/oct slope	\$376
6-, 12-, or 18-dB/oct slope	\$311
Stereo Tri-amp. 120-T8 chassis; 4 dual filters. 24- or 30-dB/oct slope	\$355
6-, 12-, or 18-dB/oct slope	\$289
Monaural Quad-amp. 120-Q8 chassis; 3 dual filters. 24- or 30-dB/oct slope	\$318
6-, 12-, or 18-dB/oct slope	\$252
Stereo Bi-amp, 2 SS. 120-B4S chassis; 2 dual filters; 2 SS or SSB filters. 24- or 30-dB/oct slope	\$270
6-, 12-, or 18-dB/oct slope	\$237
Stereo Bi-amp, SW & SS. 120-B4S chassis; 2 dual filters; 1 summing circuit; 1 SS or SSB filter. 24- or 30-dB/oct slope	\$266
6-, 12-, or 18-dB/oct slope	\$233
Stereo Bi-amp, SW. 120-B4S chassis; 2 dual filters; 1 summing circuit. 24- or 30-dB/oct slope	\$239
6-, 12-, or 18-dB/oct slope	\$206
Monaural Tri-amp. 120-T4 chassis; 2 dual filters. 24- or 30-dB/oct slope	\$231
6-, 12-, or 18-dB/oct slope	\$198
Stereo Bi-amp. 120-B4 chassis; 2 dual filters. 24- or 30-dB/oct slope	\$206
6-, 12-, or 18-dB/oct slope	\$184
Monaural Bi-amp. 120-B4 chassis; 1 dual filter. 24- or 30-dB/oct slope	\$185
6-, 12-, or 18-dB/oct slope	\$139

Model 120 Crossover Chassis

Wired and fitted with filter sockets, output jacks, and regulated power supply for specified crossover system.

Model 120-Q8	\$116
Model 120-T8	\$107
Model 120-B4	\$94

Active Filters

Plug-in Dual Filter Module. High- and low-pass filter in single circuit board. 24- or 30-dB/oct slope	\$62
With 6-, 12-, or 18-dB/oct slope	\$46
Plug-in Filter Module. Single high-pass and low-pass filter. Matched pair	\$51
500 Series Filter. Dual filter design as above. Designed for wiring into OEM and home-built equipment. Separate inputs and outputs	\$48
SS Filter. Plug-in subsonic or ultrasonic filter	\$26
SSB Filter. Plug-in subsonic filter with bass-boost	\$25

DYNACO

QD Series II Surround Processor

5-ch passive decoder. Creates L-R rear ambience channel and L+R center channel. Features rear channel gain control with 5,000 Hz rolloff

ESOTERIC SOUND

Phono Equalizer

6 selectable turnover points and 6 selectable rolloffs. Turnovers: flat, 300 Hz, 400 Hz, RIAA, LP, and 700 Hz. Rolloffs: flat, -5 dB, -10 dB, -12 dB, RIAA, and NAB. FR 20-20,000 Hz ± 0.5 dB; THD 0.02%; hum and noise 85 dB; max input 3.5 V rms

EXPRESSIVE TECHNOLOGIES

SU-1 Phono Preamp

For MC cartridges. Gain 28 dB fixed; overload 1 V; FR 0.7-150,000 Hz ± 0.1 dB; S/N 100 dB

FISHER

CAV-975 Surround Processor Amp

Dolby Pro Logic decoder with Dolby Surround, stadi-

um, simulated, and concert-hall surround modes. 2 audio and 4 AV inputs; S-video inputs; front-panel composite/S-video AV input. Dolby 3 stereo mode; normal and phantom center-channel modes; test-tone generator; selectable 15-, 20-, or 30-ms digital delay; input-balance control; audio and AV rec-out selectors; tone and balance controls; remote control. 20 W x 3 into 8 ohms from 20-20,000 Hz with 0.4% THD (center, rear)

EQ-961 7-Band Graphic Equalizer

Center frequencies at 64, 160, 400, 1,000, 2,500, 6,300, and 15,600 Hz; 10-dB boost/cut range. 5 presets; spectrum analyzer with level control; twin FL display; EQ rec and bypass; tape monitor; peak hold and dimmer switches; remote control. FR 20-20,000 Hz ± 0.5% dB; THD 0.01%; S/N 100 dB; gain ± 0.2 dB. 2-yr warranty. 17% x 4 1/2 x 10 7/8 in; 8 lb

FOSGATE-AUDIONICS

Model Three Surround Processor

7 channels with 9 surround modes including Dolby Pro Logic and THX. Features proprietary steering circuitry; active crossover for mono/stereo subwoofers. 4 composite video and 2 S-video AV inputs. Separate rec bus; pink-noise generator; remote control

Model Two Surround Processor/Amplifier

10 channels with Dolby Pro Logic decoder. Features Dolby Time Link digital-delay system; proprietary steering circuitry; 60-W/ch amp. Mono and stereo subwoofer outputs. Adjustable delay; pink-noise generator; remote control. FR 5-100,000 Hz

Model One Surround-Sound Processor

6 channels with 9 operating modes. Features proprietary steering circuitry; 60-W/ch amp. Subwoofer output. Bass equalizer; pink-noise generator. Frequency response 5-100,000 Hz; total harmonic distortion 0.05%. 17 x 3 1/2 x 11 in; 11 lb

GOLD SOUND

Except for Model 30M8, the following are rack mountable and have black anodized-aluminum front panel and smoked-plexiglass security cover.

Model 30M8 30-Band Spectrum Analyzer

Portable 1/3-octave, 30-band real-time design. Line and mic input. 8 presets; LED FR display from 25-20,000 Hz; SPL range of 50 to 145 dB; flat A and C weighting. Includes calibrated, omnidirectional mic with 12-V battery and charger

GS424SEQ Active Crossover/Equalizer

2 way. 4-channel biamp design; crossover point variable from 40-9,000 Hz. Features Linkwitz-Riley filters; subsonic filter; fixed bass EQ; stereo subwoofer and stereo midrange/tweeter outputs. High-pass, low-pass, and midrange controls. S/N 102 dB; THD 0.02%; input 0.75 V

GS224SEQ Active Crossover/Equalizer

2 way. Crossover point variable from 40-4,200 Hz. Features fixed bass EQ; Linkwitz-Riley filters; 24-dB/oct slope; subsonic filter. Stereo bass and stereo midrange/tweeter outputs. High- and low-pass con-

trols. S/N 102 dB; total harmonic distortion 0.002%; input level 0.75 V

GS424 Active Crossover

2 or 3 way. Crossover point variable from 40-9,000 Hz. Features Linkwitz-Riley filters; 24-dB/oct slope. High-pass, low-pass, and midrange controls. S/N 102 dB; THD 0.002%; input 0.75 V

GS224 Active Crossover

2 way. Crossover point variable from 40-4,200 Hz. High-pass and low-pass controls. S/N 102 dB; THD 0.002%; input level 0.75 V; crossover slopes 24 dB/oct

HARMAN KARDON

AVP-1 Surround-Sound Processor/Preamplifier

Dolby Pro Logic decoder. Features rock, jazz, pop, chamber, and orchestra ambience presets; THX mode; 35- and 70-mm movie modes. Test noise sequencer; AV rec-out circuit; output-level controls; AV input switching; panorama control

EQ8 10-Band Graphic Equalizer

Center frequencies at 31.5, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. Subsonic filter with 6-dB/oct slope and continuously variable cutoff. Tape-monitor loop. Input-level controls; rec-out EQ; LED overload indicators. FR 5-140,000 Hz ± 0, -3 dB; signal-to-noise ratio 105 dBA; total harmonic distortion 0.02% from 20-20,000 Hz. 17 3/8 x 4 x 13 7/8 in; 12 lb

HARRISON LABS

F-MOD Active Filter

1 channel. Active-crossover simulator with 12-dB/oct slope; 12 high-pass and 12 low-pass models available. Requires no power input. RCA-jack input and RCA-plug output. Features color-coding for frequency recognition; gold plating. Distortion 0.05%. 3/8 diameter x 2 in length

PF-MOD Active Filters

The following active crossover modules require no power input. Each features an internal 20-year battery charged by line-level input, 2 RCA gold-plated full-range inputs, 4 gold-plated RCA outputs, crossover-point selection via jumper settings, 15-dB/oct slopes, and 0.04% distortion. Each measures 2 x 2 x 1 1/2 in.

LP1. Designed for woofer/subwoofer amplifiers. Two 50-, 70-, 100-, or 150-Hz low-pass outputs; 2 full-range outputs

HP1. Designed for midrange/tweeter amplifiers. Two 50-, 70-, 100-, or 150-Hz high-pass outputs; 2 full-range outputs

HP2. Designed for tweeter amplifiers. Two 3,500-, 4,000-, 6,000-, or 8,000-Hz high-pass outputs; 2 full-range outputs

BP1. Designed for midrange amplifiers. 2 band-pass outputs from 50, 70, 100, or 150 Hz to 3,500, 4,000, 6,000, or 8,000 Hz; 2 full-range outputs

BP2. Designed for midbass amplifiers. 2 band-pass outputs from 50, 70, 100, or 150 Hz to 100, 120, 150, or 200 Hz; 2 full-range outputs

2W1. 2-way crossover for biamp. 2 high-pass and 2 low-pass outputs. Crossover point 50, 70, 100, or 150 Hz



Harman Kardon AVP-1



Kenwood GE-292

2W2. Two 3,500-, 4,000-, 6,000-, or 8,000-Hz high-pass outputs; two 50-, 70-, 100-, or 150-Hz low-pass outputs. Can be combined with BP1 filter for triamplifying \$70

HUGHES

AK-100 Sound Retrieval System

Designed to increase depth and realism of audio recordings. 3-D LED display; center, space, and output level controls; reverberation trim, 3-D mono, SRS on/off, display on/off, bar/dot display, and loop input switches. 4 line inputs and outputs. FR 20-20,000 Hz; THD + noise 0.010% at 1,000 Hz (bypass mode), 0.025% at 1,000 Hz (SRS mode); SN 93 dB (bypass mode) at 1.4 V rms, 98 dB (SRS mode) at 1.4 V rms. 17 x 4 x 11 1/2 in; 8 lb \$299

Retriever. As above, without LED display. THD + noise 0.5% (SRS mode); SN 82 dB (SRS mode). 16 1/2 x 2 3/8 x 7 in \$179

JRM

Model 3PBP/X8 Active Crossover

2, 3, or 4 way. Features 18-dB/oct slopes; polypropylene capacitors; gold-plated electromechanical devices; sub- and ultrasonic filters. Stereo/mono subwoofer outputs. High/low-pass points set via plug-in modules. THD 0.001%; SN 94 dB \$1,125
3PBP/X4. As above, 2 way only \$750

Remote 6-Band Graphic Equalizer

Requires JRM preamp or 3PBP crossover as base unit. Features gyrator circuits; 2% polypropylene capacitors; gold-plated electromechanical devices. Separate L/R controls; -35 dB continuously variable loudness range; switched resistor EQ and balance controls; unity gain control. FR 4-50,000 Hz +0, -3 dB; THD 0.001%; SN 98 dB \$625

JVC

SU-A400 Surround Processor/Amplifier

2 channels with Dolby Surround decoder. Features 10 W x 2 amp for rear-channel speakers. Line-level output; headphone jack. Hall and simulated surround ambience presets; adjustable (15-30 ms) delay time; L/R calibration control; rear-speaker volume control; remote control. 10 W x 2 into 8 ohms from 40-20,000 Hz with 0.5% THD. FR 20-20,000 Hz ±3 dB hall/simulated. 30-7,000 Hz ±3 dB Dolby Surround; SN 85 dB hall/simulated. 63 dB Dolby Surround. 17 1/4 x 2 1/4 x 11 1/8 in; 8 lb \$305
SU-A30. As above, no remote control \$235

Super Digifine Series

XP-A1010TN Digital Ambience Processor

4 or 6 channels. Features 16-bit, 4x-oversampling O/A converter; 16-bit, 64x-oversampling A/D converter with 48-kHz sampling rate; motor-driven volume control. Line-level inputs and outputs; fiber-optic and coaxial inputs and outputs. 20 preset and 20 user-programmable sound fields; adjustable room-size, liveness, low-pass-filter, reverb-level, high-frequency rolloff, and offset-delay ambience parameters; auto 32/44.1/48 kHz sampling-rate switching for coaxial

DAT input; remote control. FR 5-100,000 Hz +0, -3 dB; THD 0.002% at 1,000 Hz; SN 110 dB. 17 1/4 x 4 x 14 1/4 in; 13 lb \$1,200

KENWOOD

GE-7030 14-Band Graphic/Parametric EQ

Center frequencies at 40, 63, 98, 160, 250, 400, 625, 1,000, 1,500, 2,500, 3,900, 6,300, 10,000, and 16,000 Hz; ±12 dB boost/cut. Features 3-band parametric EQ with wide/narrow Q switching. Mic input with mixing; tape-monitor loop. Independent L/R level adjustment; 27-band spectrum analyzer; 30 preset EQ curves; self-demo mode. FR 10-70,000 Hz ±3 dB; THD 0.006% at 1,000 Hz; SN 100 dB. 17 3/8 x 5 7/8 x 14 7/8 in; 11 lb \$380

SS-992 Surround Processor/Amplifier

3 channels. Features Dolby Pro Logic decoder with normal, wide, and phantom center-channel modes; Dolby 3 Sterec mode; Dolby Time Link digital-delay system. Theater and hall surround modes; test-tone generator; auto input balancing; Dolby Pro Logic delay variable from 15-30 ms in 1 ms steps; theater/hall-mode delay variable from 0-30 ms in 1 ms steps; master volume control; FL display; remote-control compatibility. 30 W x 1 (center) + 15 x 2 (rear). FR 40-6,000 Hz Dolby; SN 62 dB at 1,000 Hz. 17 3/4 x 5 x 12 3/4 in; 11 lb \$300

GE-4030 7-Band Graphic Equalizer

Center frequencies at 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz; switchable 12- or 6-dB boost/cut range. Tape-monitor loop. Independent L/R level adjustment; 7-band spectrum analyzer with adjustable level; 5 factory and 5 user EQ presets; dual FL level meters; defeat switch; EQ rec capability; line/tape selector. FR 10-50,000 Hz +0 dB, -1.5 dB; THD 0.006% at 1,000 Hz; SN 100 dB. 17 3/8 x 3 7/8 x 10 7/8 in; 8 lb \$250

SS-592 Surround Processor/Amplifier

2 channels with Dolby Surround decoder. Motor-driven volume control. Theater and hall surround modes; switchable digital delay; input-balance control; calibration indicator. 10 W x 2 (rear) rms into 8 ohms from 40-5,000 Hz with 0.9 THD; FR 40-6,000 Hz Dolby; SN 62 dB at 1,000 Hz. 17 3/4 x 5 x 12 3/4 in; 11 lb \$200

GE-292 7-Band Graphic Equalizer

Center frequencies at 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz. Features defeat switch; lighted slider controls; 1 unswitched AC outlet \$80

KINETIC AUDIO

3-Point Passive Crossover/Level Control

Low-pass, mono crossover/level-controller with 60, 90, 180 Hz cutoff points. Can be built into Kinetic subwoofers. Features mid high-pass filter; crossover level control; Imp 6-8 ohms \$200

4-Point Passive Crossover

Low-pass mono design with 60, 90, 180, and 350 Hz crossover points. Can be built into Kinetic subwoofers. Imp 6-8 ohms \$200

KLYNE AUDIO ARTS

Model 7PX2/B Phono Preamplifier

Provides RIAA EQ for MC cartridges. External dual-bridge power supply, OFC balanced connections. Adjustable gain and high-frequency contour. Bandwidth 0.5-150,000 Hz; input imp variable from 100-47,000 ohms, output imp 300 ohms. 19 x 2 1/2 x 11 5/8 in; preamp 20 lb, power supply 3.4 lb \$3,750
Model 7PX2. As above, output not balanced \$3,450

KOSS

EQ/30 3-Band Graphic Equalizer

Center frequencies at 100, 1,000 and 8,000 Hz; ±10-dB boost/cut range. Compact design for portable systems. Operates on 2 AAA batteries. Includes belt clip. THD 0.2%. 2 1/2 x 2 x 1 in \$40

KRELL

KBX Active Crossover

3 way (mono), 2 way (stereo). For any frequencies; fully balanced \$3,500

KPA Phono Preamp

2 MM MC phono inputs. features DC coupling; Class A circuitry \$2,700

B&W 800 Series Active Bass Alignment Filter

For B&W speaker models 800, 801, 802 \$1,200

DSN-1 Digital Source Switcher

Multi-input, multi-output digital switching network. 2 coaxial, 2 Toslink, and 1 balanced digital inputs; 2 Toslink and 2 coaxial digital outputs. AT&T fiber optics available \$950

LAZARUS

LPH 1 Tube Phono Preamp

MM and MC phono inputs. Features gain controls. SN 85 dB MM, 67 dB MC; input imp 47,500 ohms, output 600 ohms; sens 1 mV MM, 0.18 mV MC; max output 50 V rms; gain 60 dB at 1,000 Hz MC, 40 dB MM. 19-in rack panel available. 17 x 3 1/4 x 9 in; 18 lb \$799

LEXICON

CP-3 THX Surround Processor

4 input selectors. Software upgradable. Features THX surround mode; 32 character alphanumeric display; 9-segment input level display. Input imp 100 kilohms; output imp 500 ohms; THD 0.023% at 1,000 Hz; FR unprocessed 10-100,000 Hz +1, -3 dB; FR processed 10-18,000 Hz +1, -3 dB; SN 90 dB. Rack mount adaptors and hardware included. 17 1/2 x 3 3/4 x 14 1/2 in; 18.3 lb \$2,995

CP-1 Digital Environment Processor

Features auto azimuth-error correction for Dolby Surround. Software upgradable; performs ambience extraction and synthesis; reverb; 32-character alphanumeric display; 12-segment headroom display; 2 back-illt mute indicators. SN 85 dB; input imp 50,000 ohms; output imp 500 ohms. 17 x 2 1/2 x 12 1/2 in; 11 lb \$1,495

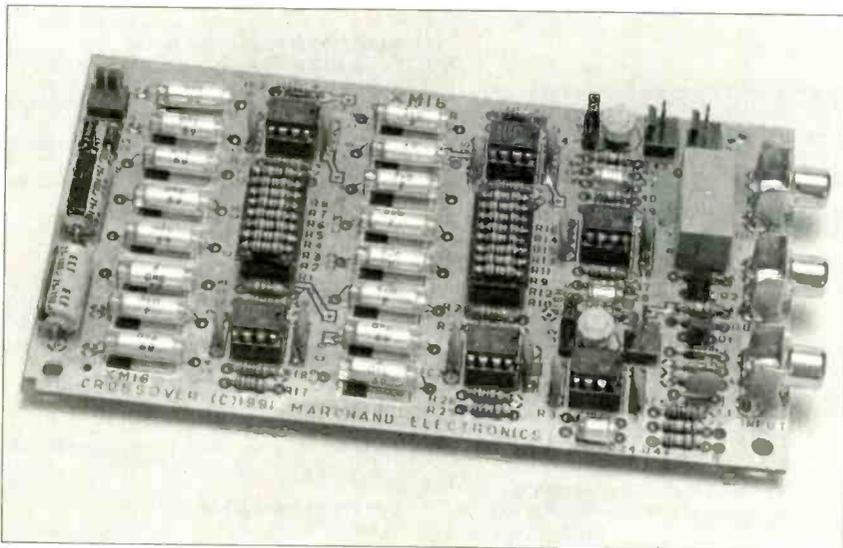
CP-2 Digital Surround Processor

Features auto azimuth and auto input balance; software upgradability; 16-bit D/A converter; polypropylene capacitors. 6 outputs. 12-segment parametric display; remote control. SN 85 dB; input imp 50 kilohms; output imp 500 ohms. 17 x 2 x 12 in; 11 lb \$995

LUXMAN

F-116 Digital Surround Processor

Features AD and DA converter, Dolby Pro Logic decoder; proprietary decoding logic program for mono film soundtracks. Parameter adjustments; balance control; rear delay adjustment (0-32 ms). Center-channel and subwoofer outputs. FR 10-16,000 Hz +1, -3 dB; SN 80 dBA; THD 0.05% \$800



Marchand XM16-A

MAGTONE

KA-1500 Karaoke Mixer

3 mic and 3 AV inputs. Digital pitch display; input selector; auto vocal elimination; MPX switch for music only; digital echo, time, and repeat; 19-step, 1/4-note pitch control; 2-wire remote for key control; volume, master-mic volume, 3 mic-level, and tone controls. 16 1/2 x 2 1/2 x 12 in; 9 lb \$369

K-903XD Karaoke/Echo Mixer

4 mic and 2 AV inputs. MPX switch for music only; input selector; auto vocal elimination; LED level meter; volume, delay-time, echo-time/mic-defeat, tone, and 2 mic level controls. 17 x 3 x 10 in; 7 lb \$189

M&K

LP-1S Active High-Pass Crossover

For biamp applications. Crossover point 100 Hz with 18-dB/oct slope. Available in 8 1/2-in front panel or 19-in rack mount. Includes bypass switch \$350
Without bypass switch \$325

VF-100 High-Pass Filter

100-Hz crossover point; 6-dB/oct slope. Available with impedance of 37.5, 37.5-75, or 75 kilohms \$50

MARANTZ

AX-1000 Digital Signal Processor

Microprocessor-based computer. Features upgradeable design with plug-in cards; auto listening-room anomaly correction via AKG microphone and calculation of 14 digital filters per channel; 27-band real-time analyzer; 3-band parametric EQ; surround decoding for digital and analog sources; sound stage reduction expansion via 11 presets; dynamic range compression expansion with reference-level and release-time controls; headphone processor designed to place sound stage in front of listener; user-adjustable LP-scratch processor. Coaxial and fiber-optic digital inputs; coaxial digital output; analog inputs and outputs. Two 4-in color LCD screens display operating information; adjustable target-FR curve; concert-hall ambience mode; adjustable delay, decay, and reverb times; sine-wave, white-noise, and pink-noise generators; remote control with trackball \$15,000

Music Link Series

PH-22 Phono Preamp

Provides RIAA, Europe Standard Play I, Europe Standard Play II, and flat EQ. Features discrete Class A differential-mode FET's for MM amplification; Perm-

alloy-core transformer with OFC windings for MC amplification; Infrasonic roll-off in accordance with latest IEC RIAA standard; isolated power supply; die-cast non-magnetic alloy chassis with copper plating. Output attenuator. FR 20-20,000 Hz ±0.5 dB (RIAA). Gold finish. 9 3/4 x 3 3/8 x 8 1/2 in; 9.5 lb \$1,099

MARCHAND

XM6 Active Crossover

2 way. Features low- and high-pass filters with 24-dB/oct slopes. Crossover points user-adjustable from 20-5,000 Hz; LED display of crossover frequency; summing mode for mono subwoofer applications; L/R level controls; damping control; remote control with 15-ft cable. FR 2-100,000 Hz +0.2 dB, -3 dB; THD 0.01% at 1,000 Hz; output imp 10 ohms; S/N 110 dB. 17 x 2 7/8 x 8 1/2 in \$495

WM8-AA Parametric Bass Equalizer

Employs 4-amplifier quadratic filter with additional op-amps; rumble filter; 20-Hz subsonic filter; high-speed op-amps; film capacitors; metal-film resistors. Bypass and tape-monitor switches; rotary control for each channel. FR 2-100,000 Hz +2 dB, -3 dB; THD 0.01% at 1,000 Hz; S/N 110 dB; output imp 10 ohms. 17 x 2 7/8 x 8 1/2 in \$345
WM8-KK. Kit form of above \$225
WM8-A. As above, no cabinet or power supply. \$85

XM16-3AA Active Crossover

3 way. Crossover points user-specified from 20-5,000 Hz. Features low- and high-pass filters with 48-dB/oct slopes. RCA input/output connectors. Level controls. FR 0-100,000 Hz ±0.2 dB; THD 0.001% at 1,000 Hz; output imp 50 ohms; S/N 110 dB \$475

XM16-3KK. As above, unassembled kit \$379
XM16-AA. As XM16-3AA, 2-way version \$325
XM16-A. As XM16-AA, unassembled kit \$265

XM9-3AA Active Crossover

3 way. Crossover points user-specified from 20-5,000 Hz. Features low- and high-pass filters with 24-dB/oct slopes. RCA input/output connectors. Level controls. FR 0-100,000 Hz ±0.2 dB; THD 0.001% at 1,000 Hz; output imp 50 ohms; S/N 110 dB \$375
XM9-3KK. As above, unassembled kit version \$299
XM9-AA. As XM9-3AA, 2-way version \$275
XM9-KK. As XM9-AA, unassembled kit version \$225

XM1 Active Crossover Module

2 way. Crossover points user-specified from 20-5,000 Hz. Features low- and high-pass filters with 24-dB/oct slopes. FR 0-100,000 Hz ±0.2 dB; THD 0.01% at 1,000 Hz; output imp 10 ohms; S/N 110 dB \$24
XM1-K. As above, unassembled kit version \$20

MARK LEVINSON

LNC-2 Active Crossover

Features modular design; 2 high pass and 2 low pass filters with 18-dB/oct slopes; optional 6-dB or 12-dB slopes for 3-way stereo operation; Camac connectors; separate power supply; 10-turn locking potentiometer controlling output level. On/off switch for each filter; internal stereo/mono switch. THD 0.002%; wideband noise 102 dBV unweighted; accuracy within 5% of specified crossover point; load regulation 0.05%; wideband noise output 18 µV \$4,000

McINTOSH

MQ 107 7-Band Equalizer

Center frequencies for each channel user-programmable. Features level matching; variable high-frequency control. 10 lb \$699

MEMOREX

DS-10 Surround Processor/Amp

Dolby Surround decoder. Input balance control. 20 W x 2 or 5 x 4. Black finish with gold lettering \$130

MIRROR IMAGE AUDIO

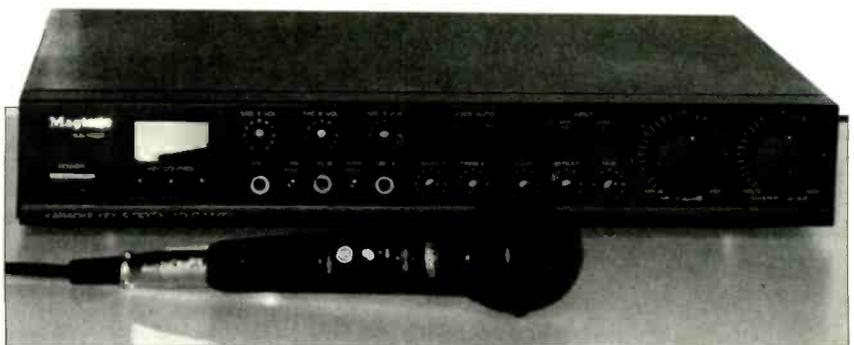
Model .2P Phono Preamp

MM MC input. Features adjustable gain; adjustable input imp and capacitance. MM-phono sens 2 mV at 1,000 Hz; S/N 85 dB MM, 80 dB MC \$850

MOD SQUAD

Phono Preamp

Features solid-state hybrid circuitry combining J-FET, bipolar, and MOSFET transistors; optional external power supply; direct-coupled circuitry with proprietary oc servo control; star-center grounding and star-feed power lines; nonferrous, nonmagnetic chassis. Volume and balance control. MM and MC inputs; front-panel-selectable loading for MC input plus internal, user-definable loading option; direct



Magtone KA-1500

output. Gain (at 1,000 Hz) 46 dB MM, 66 dB MC; 20-200,000 Hz +1, -3 dB MM, FR 20-120,000 Hz +1, -3 dB MC; THD 0.06% MM, 0.08% MC; S/N 80 dBA MM, 66 dBA MC. 16½ x 2¾ x 10 in; 11 lb \$1,695

MSB TECHNOLOGY

MSB Passive Switcher

Passive level control and switching network. Interweaved layers of electromagnetic and electrostatic shielding. Hand-wired discrete-resistor stepped attenuators; Cardas rhodium jacks; isolated LR channel grounding network. 6 inputs, 2 outputs. Black front panel and EAR Isodamp feet \$1,495

MTX SOUNDCRAFTSMEN

Pro-EQ 44 21-Band Graphic Equalizer

Center frequencies ½-oct below 1,000 Hz and ⅔-oct above 1,000 Hz; 15-dB boost/cut range. Features differential/comparator unity-gain circuitry; digital CMOS switching for tape monitor; EQ rec and defeat. THD 0.01%; S/N 114 dB \$549

Pro-EQ 22 10-Band Graphic Equalizer

15-dB boost/cut range. Features differential/comparator unity-gain circuitry; digital CMOS switching for monitor, tape-rec, and EQ defeat. THD 0.01%; S/N 114 dB \$349

MUSEATEX

HES-5500 Surround Processor

Dolby Pro Logic/Dolby Surround decoder and THX controller. Features adjustable digital delay (16-36 ms); floating-charge power supply. Buffered outputs; stereo subwoofer outputs. Programmable, non-volatile memory; software-driven volume and switching functions; switchable EQ and center-channel low-frequency filter circuitry; adjustable input sens; remote control. FR 20-20,000 Hz ± 0.5 dB, 50-7,000 Hz (side and rear channels); THD 0.1%, 0.3% (side and rear channels); S/N 90 dBA. 5-yr warranty. . . . \$1,395

Melior EXO-1 Active Crossover

2 way. Selectable crossover point at 50, 63, 80, or 100 Hz. Features 24-dB/oct slopes. Line-level inputs; passive and active high-pass outputs; mono and stereo low-pass outputs. FR 0-100 Hz; S/N 95 dB. 5-yr warranty. 7¼ x 3 x 13¼ in; 8 lb \$699

NAIM

NAXO3-6 Active Crossover

3 way. User-specified crossover points. Features 18-dB/oct slopes. Designed for flat-response speakers. Input imp 10 kilohms; output imp 47 ohms . . . \$1,235

NAXO2-4. As above, 2 way \$1,235

NESTOROVIC LABS

NL12A Active Crossover

2 way. 200-Hz crossover point. Stereo subwoofer output. High- and low-pass level controls. S/N 90 dB; THD 0.01%; input imp 50 kilohms; output imp 100 ohms \$935

NIKKO

EQ 150 7-Band Equalizer

2 channels. ½-oct spacing; 10-dB boost/cut range. LED slide controls; switchable tape EQ. Rated output 6 V rms; FR 5-70,000 Hz; THD 0.001%; S/N 95 dB. 16½ x 3½ x 10 in \$99

OCM

Model 10 Phono Preamp

Features loading and gain adjustment for MC and MM cartridges. Direct-coupled design with DC-servo loop. Double-sided, fiberglass-epoxy circuit board; silver-plated wiring. Gold-plated RCA jacks. MM output 1-10 mV; MC output 0.2-1 mV; MM/MC input imp 47 kilohms; MM/MC THD 0.05%. Anodized black-aluminum faceplate \$1,195

ONKYO

ES-600PRO Surround Processor/Amp

Dolby Pro Logic and Dolby Surround decoder. Features discrete output stages. Hall, and stadium ambience presets; normal, wide, and phantom center-channel modes; Dolby 3 Stereo mode; adjustable digital rear-channel delay; master-volume and input-balance controls; FL display; programmable remote control. 50 W x 1 (center) + 20 x 2 rms (rear). 17⅞ x 3⅝ x 12⅝ in; 13 lb \$400

Integra EQ-540 12-Band Graphic Equalizer

Center frequencies at 16, 32, 64, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000, 32,000 Hz; switchable 12- or 6-dB boost/cut range. Features warble/single-frequency signal generator with step and sweep modes; master attenuator (0 to 20 dB); frequency display; LED level indicators; input attenuator. Includes mic. THD 0.01%; S/N 100 dB. 17⅞ x 3½ x 14⅝ in; 10 lb \$400

Integra EQ-35 12-Band Graphic Equalizer

Center frequencies at 16, 32, 64, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000, and 32,000 Hz; switchable 12- or 6-dB boost/cut range. Features 10-tone signal generator with step and sweep modes; master attenuator (0 to -20 dB); signal-flow display; LED level indicators. THD 0.01%; S/N 100 dB. 17⅞ x 3½ x 14⅝ in; 10 lb \$330

ES-300 Surround Processor/Amplifier

Dolby Surround decoder. Discrete output stages. Hall and theater ambience presets; 3-step time delay; master volume control; separate volume for LR channels. 30 W x 2 rms \$280

EQ-201 7-Band Graphic Equalizer

Center frequencies at 63, 160, 400, 1,000, 2,500, 6,300, 16,000 Hz; 12-dB boost/cut range. Tape-monitor loop. Features spectrum analyzer; EQ defeat; LED level indicators. THD 0.01% \$250

EQ-101. As above, without spectrum analyzer \$160

OPTIMUS BY RADIO SHACK

Model 31-2025 10-Band Equalizer

Features spatial expander. 2 tape-monitor loops. Spectrum analyzer. S/N 95 dB. 16¼ x 2⅝ x 8½ in; 6 lb \$120

PACKBURN

Model 323A Audio Noise Suppressor

Single-ended design with defeatable transient noise-suppressor; 6-position treble EQ. Features fixed cut-off points with 8-dB/oct slope. Input metering; channel balance control; enhance/suppress switch; cutoff frequency meter. XLR and RCA inputs and outputs. Rack mountable. Bass FR ± 0.5 dB to 10 Hz; treble FR varies from 3,000-15,000 Hz depending on EQ setting; 20-dB input-level range; IM 0.05% at 60 and 7,000 Hz; S/N 75 dB. 19 x 10 x 7 in \$2,650

PARAMOUNT PICTURES

FX-5000 Surround Processor

6 channels with Dolby Pro Logic decoder. 6 line-level and 3 speaker-level outputs. Features hall and matrix ambience presets; 15 W x 2 amp for rear channels, 25 W x 1 amp for center channels. Delay, rear- and center-level, and master volume controls; test mode. FR 20-20,000 Hz -3 dB; THD 0.01%; S/N 85 dB IHF. 19 x 3⅞ x 12⅝ in; 14 lb \$480

FX-3001S Surround Processor

6 channels with Dolby Pro Logic decoder. Features 24 W x 2 rear-channel amp, 12 x 3 center-channel amp. Line-level and tape inputs; unprocessed line and surround outputs; processed center, subwoofer, and tape-rec outputs. 5 ambience presets including hall and matrix; delay rear-, center-level, and volume controls; test mode; remote control. FR 20-20,000 Hz (matrix), 100-7,000 Hz (Dolby and hall); THD 0.25%; sep 65 dB (center, surround), 45 dB (LR); input imp

47 kilohms, output imp 470 ohms. Black finish. 16½ x 2⅞ x 9⅞ in; 9 lb \$300

FX-3000 Surround Processor

6 channels with Dolby Pro Logic decoder. Features 25 W x 2 amp for rear channels. 6 line-level outputs including subwoofer; 2 rear speaker-level outputs. 3 ambience presets including mono-enhance; delay, center-channel balance, null, and volume controls; test tone; remote control. FR 18-20,000 Hz; THD 0.025%; sep 65 dB (center, surround), 45 dB (LR); input imp 47 kilohms, output imp 470 ohms. 17 x 2¾ x 9½ in; 9 lb \$300

PIONEER

SP-700D Digital Signal Processor

Features Dolby Pro Logic decoder, 16-bit A/D and D/A converters; 4x-oversampling digital filter; motor-driven volume control. 16 factory and 16 user ambience presets; 7-band digital graphic EQ; SR-system compatibility; remote control \$735

GR-777 10-Band Graphic Equalizer

Center frequencies at 32, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000 and 16,000 Hz; 10-dB boost/cut range. Features dual 10-band spectrum analyzers; 5 factory and 5 user EQ presets; remote control. FR 5-70,000 Hz +0 dB, -3 dB; S/N 110 dB; THD 0.02%. 16⅝ x 3⅝ x 12¼ in; 9 lb \$385

VSP-333 Surround Processor/Amplifier

Features Dolby Surround decoder; 30 W x 2 rear-channel amp. 3 video inputs. Selectable 15-, 20-, or 30-ms digital delay; stadium and simulated-surround ambience presets. THD 0.15% \$290

GR-555 7-Band Graphic Equalizer

Center frequencies at 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz; 10-dB boost/cut range. Tape-monitor loop. Dual 7-band spectrum analyzers; EQ-defeat switch. FR 10-50,000 Hz +0 dB, -3 dB; THD 0.02%; S/N 104 dB. 16⅝ x 4⅞ x 13⅞ in; 9 lb . . . \$240

GR-470 7-Band Graphic Equalizer

Center frequencies at 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz; 10-dB boost/cut range. LED indicators. FR 5-50,000 Hz +0 dB, -3 dB; THD 0.03%; S/N 106 dB. 16⅝ x 2⅝ x 8⅞ in; 5 lb . . . \$125

Elite Series

SP-91D Surround Processor

Features Dolby Pro Logic decoder; 50-bit DSP with 16-bit A/D converter, 4-channel 18-bit D/A converter, and 8x-oversampling filter; 16 factory ambience presets including jazz club, hall, and church; 16 user-defined ambience presets; 7-band graphic EQ; FL display; SR-system compatibility; remote control. 18 x 3⅝ x 3¼ in; 13 lb \$1,000

POINTSOURCE

PR10 Phono Preamp

Dual-mono, Class A design. MM/MC load resistance and capacitance. 19 x 3½ x 8 in \$775

PROTON

SD-100M Surround Processor

4 inputs, 9 outputs. Features ambience-presets including cinema, music, and stereo-bypass. Dialog scatter reduction circuitry; input balance; 7 output trimmers; remote control with mute. FR 12-85,000 Hz ± 1 dB; S/N 80 dB; THD 0.008%; adj-ch sep 40 dB. 16½ x 9¾ x 2¼ in; 9 lb \$600

PS AUDIO

PS Phono Link Phono Preamp

Passive design for MM/MC cartridges. Features gold-plated Tiffany connectors. Front-panel touch-sensitive switching for cartridge loading; low-imp high-current output. FR 20-20,000 Hz ± 0.25 dB; S/N 74 dB MC, 85 dB MM; THD 0.1. 17 x 2½ x 9 in; 15 lb . . . \$599

QUICKSILVER

Moving-Coil Phono Transformer

Provides 23 dB gain for any phono cartridge. Output Imp 1 to 40 ohms. No external cables or power required \$335

RANE

THX 44 11-Band Graphic/Parametric Equalizer

Home THX-certified. 4 channels; left, center and right each feature 11-band 1/3-oct graphic section for low frequencies and 2-band parametric for high frequencies; 2-band parametric EQ for subwoofer channel; frequency range 1,000-10,000 Hz, 20-80 Hz. FR 20-20,000 Hz; THD 0.005%; S/N 120 dBA \$1,299

SANSUI

SE-3100 10-Band Graphic Equalizer

Center frequencies at 31.5, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, 16,000 Hz; 12-dB boost/cut range. Mic input. Features spectrum analyzer; defeat switch; peak hold; dimmer switch \$150

SESCOM

PO-40 5-Band Graphic Equalizer

Mono. Center frequencies at 60, 240, 1,000, 3,000, 10,000 Hz; 12-dB boost/cut range. Features defeat switch \$104

PO-16 2-Band Parametric Equalizer

Mono. Center frequencies 20 or 100 Hz and 10,000 or 20,000 Hz; 10-dB boost/cut range. 1 RCA input and output per band. Defeat switches \$92

PO-11 Phono Preamp

Features stereo line output and summed-mono output; rear-panel input/output RCA jacks \$83

SNELL DIGITAL

M.O.S. Digital Signal Processor

Designed to eliminate undesirable sonic characteristics of speakers and compensate for listening-room aberrations. Computer dynamically alters equalization and group delay of signal going to speaker to cancel phase shifts, response aberrations, and most room resonances. Features open architecture based in MusicSoft Music Operating System to support optional plug-in software. Analog and digital inputs/outputs. Compatible with all Snell speakers.... \$NA

SONOGRAPHE

SX1 Active Crossover

2 way. 110-Hz crossover point with 24-dB/oct low-pass and 12-dB/oct high-pass filters. Features poly-

styrene and polypropylene capacitors; metal-film resistors \$495

SONY

SEQ-711 7-Band Graphic Equalizer

Center frequencies at 63, 160, 400, 1,000, 2,500, 6,300, and 16,000 Hz; 10-dB boost/cut range. 5 factory EQ presets; 10 user-defined EQ presets; dual spectrum analyzers; remote control \$240

SOUND CONCEPTS

SSD550 Surround Processor

Matrix decoder derives rear channel from surround video sources. 2 front- and 2 rear-channel outputs. High-frequency rolloff from -3 to +6 dB; front mix level 0-100%, rear level 0-100%. Input imp 60 kilohms min; output imp 300 ohms max; FR 20-10,000 Hz +1, -3 dB; dynamic range 90 dB; signal-to-noise ratio 85 dB \$975

IR2100 Image-Restoration System

Stereo image enhancer. Features continuously variable speaker/listener angle, 20-100° control. 15-ft remote cable. S/N 80 dB; distortion 0.1% max. \$360
IR2200. As above, without remote \$199
KIR-1. As IR2100, unassembled kit version .. \$105

VSP-1 Stereo Synthesizer

Creates simulated stereo from mono sources. Features 10-band harmonically-related frequency divisions. S/N 80 dB \$179
KVSP-1. As above, unassembled kit version .. \$100

SOUND ENGINEERING

PFM-8 EQ/Tape-Deck Interface

Features meters; switchable pre/post-EQ tape outputs \$2,450

PFM-9 Active Crossover

Features 2-way/3-way configuration; linear-phase, Class A design \$2,050

PFM-0 Phono Preamp

For MC cartridges. Low-noise design \$1,050

SUMO

Delllah II 2-Way Active Crossover

Independently selectable low- and high-pass points at 50, 75, 100, 150, and 200 Hz with 12-dB/oct slopes. Bridgeable stereo and mono low-pass outputs. Front-panel selector for frequencies and slopes; switchable 6- or 12-dB/oct low-pass filter with level control. FR 20-20,000 Hz ± 0.1 dB; THD 0.008%; S/N 95 dB; input Imp 50 kilohms; output imp 100 ohms. 19 x 1 3/4 x 8 3/4 in; 10 lb \$579

SYMETRIX

Model 511A Noise Suppressor

Reduces hiss, hum, RF buzz, and background noise by up to 30 dB. Single-ended design; high-frequency filter and downward expander with independent thresholds; subsonic filter \$599

SX201 Parametric Equalizer

Center frequencies variable from 16-512, 196-6,300, and 668-22,000 Hz; bandwidth variable from 0.5-3.3 octaves; +15 to -30 dB boost/cut. Line-level inputs; balanced/unbalanced 1/4-in connectors \$279

TEAC

EQA-22 10-Band Graphic Equalizer

Center frequencies at 30, 60, 120, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. 2 tape loops; EQ-defeat and pre/post EQ switches; spectrum display \$140

EQA-3 10-Band Graphic Equalizer

Center frequencies at 30, 60, 120, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. Features EQ-defeat; tape monitor switches. 17 1/2 x 2 5/8 x 7 7/8 in; 6.6 lb \$100

TECHNICS

SH-GE70 7-Band Equalizer/Spectrum Analyzer

Center frequencies at 63, 160, 400, 1,000, 2,500, 6,300, 12,500 Hz; 12-dB boost/cut range. Dual spectrum analyzers; tape-rec EQ switch; 12-curve memory. FR 5-100,000 Hz -3 dB; THD 0.005%; S/N 105 dB \$179

SH-8038 7-Band Graphic Equalizer

Center frequencies at 63, 160, 400, 1,000, 2,500, 6,300, 16,000 Hz; 12-dB boost/cut range. Low-noise/distortion IC op-amp. Slider controls; 2-channel display; reverse switch for equalized tape; calibrated dB scale; LED indicators. FR 5-100,000 Hz +0, -3 dB; THD 0.005%; S/N 110 dB. 17 x 3 x 7 1/2 in \$120

THRESHOLD

Model FET Ten/e Phono Preamp

Provides RIAA equalization for MM/MC inputs. Features FET design; external power supply; metal-film and wire-wound resistors. Choice of balanced or unbalanced outputs; gold-plated connectors with Teflon insulation. 16 selectable cartridge-loading characteristics. Crosstalk -70 dB at 20,000 Hz with 1,000-ohm source. 19 x 1 3/4 x 11 in \$2,500

YAMAHA

DSP-E200 Surround Processor/Amp

Add-on processor with Dolby Pro Logic decoder, DSP, and 3-channel amp. Line-level front LR and center-channel outputs; tape-monitor loop. Concert-video, mono-movie, rock-concert, and concert-hall ambience presets; normal, wide, and phantom center-channel surround modes; auto input balance; test-tone generator for Dolby Pro Logic mode; digital delay; separate level controls for front, center, and rear channels; LCD; remote control. 25 W x 3 into 8 ohms at 1,000 Hz with 0.08% THD (center, rear). 17 5/8 x 5 7/8 x 11 5/8 in \$499

EQ-550 10-Band Graphic Equalizer

Center frequencies at 30, 60, 120, 240, 480, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. Features pink-noise generator; electret-condenser mic; FL spectrum-analyzer display; meter-level adjust; output-level control; switchable subsonic filter. S/N 105 dB; THD 0.005% \$399

EQ-70 10-Band Graphic Equalizer

Center frequencies at 30, 60, 120, 240, 480, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut range. Features output-level control; tape monitor with EQ rec function; defeat switch; LED illuminated slide controls \$179



Yamaha DSP-E200

A&S

D'Appolito Aria 7 2-Way Speaker

Bass-reflex design with two 7-in Kevlar woofers and 1-in soft-dome tweeter. Power handling 30 W; FR 45-20,000 Hz; S/N 89 dB SPL/W/m; nom imp 4 ohms; crossover point 2,400 Hz. Black-lacquer finish with black knit grille. 9 x 45 x 10 in; 55 lb \$950/pr

D'Appolito 717 2-Way Speaker

Bass-reflex design with two 6½-in Kevlar woofers and 1-in soft dome tweeter. Power handling 30 W; FR 50-20,000 Hz; S/N 87 dB SPL/W/m; nom imp 6 ohms; crossover point 2,200 Hz. 9 x 45 x 10 in \$895/pr

D'Appolito Aria 5 2-Way Speaker

Bass-reflex design with two 5¼-in Kevlar woofers and 1-in soft-dome tweeter. Power handling 30 W; FR 62-20,000 Hz; S/N 90 dB SPL/W/m; nom imp 4 ohms; crossover point 2,500 Hz. Black-lacquer finish with black knit grille. 9 x 19 x 10 in; 30 lb \$725/pr

Power Tower 3-Way Speaker

Acoustic-suspension design with 12-in polypropylene woofer, 5¼-in midrange, and ¾-in titanium-dome tweeter. Power handling 30 W; FR 35-20,000 Hz; S/N 91 dB SPL/W/m; nom imp 8 ohms; crossover points 250 and 4,500 Hz. Black or oak finish with black knit grille. 15 x 37 x 11 in; 68 lb \$725/pr

Black Dahlia MkII 2-Way Speaker

Bass-reflex design with 7-in woofer and 1-in titanium dome tweeter. Power handling 30 W; FR 48-20,000 Hz; S/N 88 dB SPL/W/m; nom imp 8 ohms. Black-lacquer finish with black knit grille. 10½ x 17¼ x 10½ in; 60 lb \$715/pr

Dynomonitor 2-Way Speaker

Bass-reflex design with 7-in woofer and 1-in soft-dome tweeter. Power handling 30 W; FR 55-20,000 Hz; S/N 87 dB SPL/W/m; nom imp 8 ohms; crossover point 2,200 Hz. Black, walnut, or oak finish with black knit grille. 10 x 14 x 12 in; 27 lb \$615/pr

J-2 2-Way Speaker

Bass-reflex design with 6½-in poly cone woofer and 1-in soft dome tweeter. Power handling 80 W; FR 50-20,000 Hz; imp 4 ohms; crossover 2,500 Hz. Stained or black oak finish. 10 x 14 x 12 in; 27 lb \$399/pr

Baby Boomer Subwoofer

12-in driver with dual voice coils. Power handling 50 W; FR 35-120 Hz; S/N 90 dB SPL/W/m; nom imp 4 ohms; crossover point 120 Hz. Black, oak, or walnut finish with black knit grille. 18 x 18 x 19 in \$250

Versa-6 2-Way Speaker

Bass-reflex design with 6½-in polypropylene woofer and 1-in titanium-dome tweeter. Power handling 30 W; FR 55-20,000 Hz; S/N 87 dB SPL/W/m; nom imp 8 ohms; crossover point 4,000 Hz. Black or oak finish with black knit grille. 10 x 16 x 18 in; 25 lb \$248/pr

Versa-5 2-Way Speaker

Acoustic-suspension design with 5¼-in poly-cone midbass driver and 1-in cloth dome tweeter. Power handling 50 W; FR 70-20,000 Hz; Imp 8 ohms; crossover at 40,000 Hz. Stained or black oak finish with black knit grille. 8 x 12 x 7 in; 15 lb \$195/pr

ACCLAIM/MAVERICK

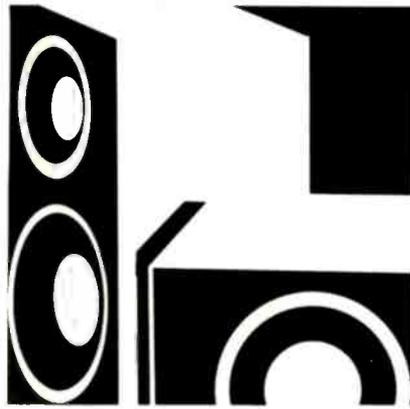
Unless otherwise noted, the following are full-range systems comprising 1 or more bass modules and 2 ribbon-type midrange/tweeter panels.

Nonspeaker Reference Subwoofer

18-in aperiodic pressure-release driver. Power handling 1,000 W cont avg; FR 27-100 Hz ± 2 dB; sens 89 dB SPL/W/m; nom imp 8 ohms. Black-lacquer finish with black grille \$4,999

Ebony Subwoofer

15-in aperiodic pressure-release driver. Power handling 250 W cont avg; FR 28-150 Hz ± 3 dB; sens 94



dB SPL/W/m; nom imp 5 ohms. Black-oak finish with black grille. 16 x 18 x 29 in \$1,599

Maverick Series

Signature One

4 bass modules, each with 21-in aperiodic pressure-release subwoofer, and two 9-ft dipole panels, each with twenty-five 3½-in-square ribbon midranges and ribbon tweeter. Power handling 1,000 W cont avg; FR 26-44,000 Hz ± 2 dB; sens 89 dB SPL/W/m; nom imp 4 ohms. Black grille \$44,000

Signature Two

2 bass modules, each with 18-in aperiodic pressure-release subwoofer, and two 9-ft dipole panels, each with twenty-five 3½-in-square ribbon midranges and ribbon tweeter. Power handling 500 W cont avg; FR 27-44,000 Hz ± 2 dB; sens 89 dB SPL/W/m; nom imp 4 ohms. Black grille \$28,000

Signature Three

2 bass modules, each with 18-in aperiodic pressure-release subwoofer, and two dipole panels, each with sixteen 3½-in-square ribbon midranges and ribbon tweeter. Power handling 400 W cont avg; FR 27-44,000 Hz ± 2 dB; sens 89 dB SPL/W/m; nom imp 4 ohms. Real granite finish with black grille \$22,000

Nonspeaker Granite Series

The following feature solid-granite baffles and woofer tops, and die-cast magnesium woofers.

Ribbon Reference One

18-in aperiodic pressure-release subwoofer and 2 dipole panels, each with sixteen 3½-in-sq ribbon midranges and ribbon tweeter. Power handling 200 W cont avg; FR 27-44,000 Hz ± 2 dB; sens 89 dB SPL/W/m; nom imp 4 ohms. Black grille \$14,000

Ribbon Reference Two

2 bass modules, each with 15-in aperiodic pressure-release subwoofer, and 2 dipole panels, each with nine 3½-in-square ribbon midranges and ribbon tweeter. Power handling 200 W cont avg; FR 28-44,000 Hz ± 2 dB; sens 88 dB SPL/W/m; nom imp 4 ohms. Black grille \$8,999

Designer Three

2 bass modules, each with 15-in aperiodic pressure-release subwoofer, and 2 dipole panels, each with nine 3½-in-sq ribbon midranges and ribbon tweeter. Power handling 200 W cont avg; FR 28-44,000 Hz ± 2 dB; sens 88 dB SPL/W/m; nom imp 4 ohms. Black mesh grille \$8,999

Designer Four

12-in aperiodic pressure-release subwoofer and 2 dipole panels, each with four 3½-in-sq ribbon midranges and ribbon tweeter. Power handling 200 W cont avg; FR 29-44,000 Hz ± 2 dB; sens 88 dB SPL/W/m; nom imp 4 ohms. Black mesh grille \$5,999

Ribbon Reference Five

15-in aperiodic pressure-release subwoofer and 2 dipole panels, each with six 3½-in-sq ribbon midranges and ribbon tweeter. Power handling 200 W cont avg; FR 28-44,000 Hz ± 2 dB; sens 88 dB SPL/W/m; nom imp 6 ohms. Black grille \$4,999

Imager Series

Imager III

3 bass modules, each with 15-in aperiodic pressure-release subwoofer, and two dipole panels, each with four 3½-in-sq ribbon midranges and ribbon tweeter. Power handling 200 W cont avg; FR 28-22,000 Hz ± 2 dB; sens 88 dB SPL/W/m; nom imp 5 ohms. Black-lacquer finish with black grille \$4,800

Imager II

3 aperiodic pressure-release subwoofer enclosures, each with 15-in and 6-in driver, and two dipole panels, each with 3½-in-sq ribbon midrange and ribbon tweeter. Power handling 200 W cont avg; FR 28-22,000 Hz ± 3 dB; sens 88 dB SPL/W/m; nom imp 5 ohms. Black-lacquer finish with black grille \$3,000

Imager I

2 bass modules, each with 6-in aperiodic pressure-release woofer, and two dipole panels, each with 3½-in-sq ribbon midrange and ribbon tweeter. Power handling 200 W cont avg; FR 40-22,000 Hz ± 2 dB; sens 88 dB SPL/W/m; nom imp 5 ohms. Black-lacquer finish with black grille \$2,200

Ebony Series

Ribbon Reference

2 bass modules each with 15-in aperiodic pressure-release subwoofer, and two dipole panels, each with eight 3½-in-sq ribbon midranges and ribbon tweeter. Power handling 200 W cont avg; FR 28-22,000 Hz ± 2 dB; sens 88 dB SPL/W/m; nom imp 6 ohms. Black-lacquer finish with black grille \$3,999

Ribbon System.

As above, with 2 ribbon midranges. FR 28-22,000 Hz ± 3 dB. Black oak finish \$2,999

Ribbon Tower 3-Way Speaker

6-in aperiodic pressure-release woofer, 3½-in ribbon midrange, and ribbon tweeter. Power handling 200 W cont avg; FR 35-22,000 Hz ± 4 dB; sens 91 dB SPL/W/m; nom imp 5 ohms. Black-lacquer finish with black grille \$1,999/pr

Model Tan 2-Way Speaker

6-in aperiodic pressure-release woofer and ribbon tweeter. Power handling 200 W cont avg; FR 40-22,000 Hz ± 4 dB; sens 91 dB SPL/W/m; nom imp 5 ohms. Black oak finish with black grille \$999/pr

Model Seven 2-Way Speaker

5-in aperiodic pressure-release woofer and ribbon tweeter. Power handling 200 W cont avg; FR 50-22,000 Hz ± 4 dB; sens 91 dB SPL/W/m; nom imp 5 ohms. Black oak finish with black grille \$699/pr

Acclaim Series

Type 123

12-in aperiodic pressure-release subwoofer and two satellites, each with 6-in cone-midrange and one ¾-in dome-tweeter. Power handling 200 W cont avg; FR 29-25,000 Hz ± 5 dB; sens 94 dB SPL/W/m; nom imp 5 ohms. Oak finish with black knit grille \$799

Type 83 2-Way Speaker

8-in aperiodic pressure-release woofer and ¾-in dome-tweeter. Power handling 200 W cont avg; FR 39-25,000 Hz ± 5 dB; sens 93 dB SPL/W/m; nom imp 5 ohms. Oak finish with black knit grille. 10 x 12 x 19 in \$599/pr

Type 82 2-Way Speaker

8-in aperiodic pressure-release woofer and ¾-in dome-tweeter. Power handling 200 W cont avg; FR 49-25,000 Hz ± 5 dB; sens 93 dB SPL/W/m; nom imp 5 ohms. Oak finish with black knit grille \$399/pr

ACOUSTAT

Spectra 6600 Electrostatic Speaker

6 electrostatic elements. Each mirror-image array contains full-range line-source sector and adjacent sectors that handle mid/low and low-bass frequencies; solid wood with brass electrostatic inlay. Power handling 100 W; nom Imp 4 ohms. Dark oak and black, beige, charcoal-gray, or light-gray grille. Optional wood finishes. 3¼ x 94 x 17 in . . . \$6,500/pr

Spectra 4400. As above, 4 electrostatic elements. 24 x 94 x 17 in . . . \$4,200/pr

Spectra 3300. As above, 3 electrostatic elements; compatible with SPW-1 subwoofer. 3¼ x 78 x 14 in . . . \$3,400/pr

Spectra 2200. As above, 2 electrostatic elements; compatible with SPW-1 subwoofer. 23 x 66 x 14 in . . . \$2,400/pr

Spectra Systems

Spectra 3300 and SPW-1 . . . \$4,000

Spectra 2200 and SPW-1 . . . \$3,500

Spectra 1100 Subwoofer/Electrostatic System

Hybrid design combining acoustic-suspension 8-in woofer and electrostatic panel. Each panel contains line-source sector operating above 300 Hz and adjacent sectors for midrange and frequencies below to 300 Hz; removable spiked feet. Biwire/biamp terminals. Power handling 75 W; nom imp 4 ohms. Solid wood with brass electrostatic inlay. Dark-oak-veneer woofer box, optional veneer finishes. 16 x 67½ x 16¾ in . . . \$1,700/pr

Spectra 11 Subwoofer/Electrostatic System

Hybrid design combining acoustic-suspension 8-in woofer and electrostatic panel. Each panel contains line-source sector operating above 300 Hz and adjacent sectors for midrange and frequencies below 300 Hz. Power handling 75 W; nom imp 4 ohms. Black fabric with black matrix or dark-oak-laminated woofer box. 15 x 72 x 14¾ in . . . \$1,200/pr

SPW-1 Spectra Subwoofer

Ported cabinet with four 6½-in side firing woofers (2 per channel). For use with Spectra 2200/3300. Power handling 100 W; nom imp 12 ohms; crossover point 100 Hz. 23 x 20 x 17 in . . . \$600

ACOUSTIC ENERGY

AE2 2-Way Speaker

Ported design with two 5-in metal-cone drivers and 1-in metal-dome speaker. Power handling 250 W cont avg; FR 60-18,000 Hz ± 2.5 dB; sens 90 dB SPL/W/m; min imp 5.5 ohms. Available in plano black, satin black, black texture, or rosewood-veneer finish. 9¼ x 15¼ x 13 in . . . \$2,795/pr

STAE2. 26-in black speaker stand for above with 2 columns, die-cast top, and base supports with high-tensile spikes . . . \$1,370/pr

AE1 2-Way Speaker

Ported design with 5-in metal-cone woofer and 1-in metal-dome tweeter. Power handling 200 W cont avg; FR 70-22,000 Hz ± 2.5 dB; sens 88 dB SPL/W/m; min imp 8 ohms at 250 Hz. Black texture, piano black, satin black and rosewood-veneer. 7 x 11½ x 10 in . . . \$1,895/pr

STAE1. 26-in black speaker stand for above with tubular alloy column, die-cast top, and base supports with high tensile spikes . . . \$900/pr

ACOUSTIC INTERFACE

The following feature a 15-year limited warranty.

Sound Prism 3-Way Powered Speaker

Triamplified vented-horn design with 24 x 52-in compression woofer, 24-in horn midrange, 6½-in horn tweeter, 1,500-W woofer amp, 300-W midrange amp, and 100-W tweeter amp. Features infrared or fiber-optic transmitter from amp to speaker; voltage/current, tweeter/thermal overload, clipping, and dc protection. Midrange and tweeter-level controls. FR

10-20,000 Hz ± 1 dB; sens 105 dB SPL/W/m; THD 0.09% at 100 dB; Imp 8 ohms; crossovers points 550 and 5,000 Hz. Oiled walnut or oak finish. 27 x 80 x 36 in; 500 lb . . . \$30,000/pr

Sound Portal 3-Way Speaker

Vented-horn with 24 x 15-in compression woofer, 24-in horn midrange, 5-in horn tweeter. Features tweeter-overload protection; midrange and tweeter level controls. FR 15-20,000 Hz ± 2.5 dB; THD 0.1% at 100 dB; sens 101 dB SPL/W/m; imp 8 ohms; crossover points 800 and 5,000 Hz. Oiled walnut or oak cabinet. 27 x 80 x 36 in; 175 lb . . . \$15,000/pr

Studio Reference 3-Way Speaker

Vented 12-in woofer, 15 x 4-in horn midrange; 5¼ x 2-in horn tweeter. Features tweeter-overload protection; midrange and tweeter level controls. FR 22-20,000 Hz ± 2.5 dB; THD 0.3% at 100 dB; sens 98 dB SPL/W/m; imp 8 ohms; crossover points 880 and 5,000 Hz. Oiled walnut or oak cabinet with black cloth grille. 16 x 60 x 14¼ in; 102 lb . . . \$4,380/pr

Professional Series III 4-Way Speaker

Vented 12-in woofer, 3-in dome midrange, 1½-in dome mid-tweeter, and ¾-in tweeter. Midrange, mid-tweeter, and tweeter controls. FR 25-20,000 Hz ± 2.5 dB; THD 0.5% at 100 dB; crossover points 600, 2,000, and 7,000 Hz; sens 95 dB SPL/W/m; imp 8 ohms. Oiled walnut or oak cabinet with black cloth grille. 16 x 48 x 14¼ in; 90 lb . . . \$2,580/pr

Tremor Powered Subwoofer

Vented design with two 12-in woofers in separate subenclosures; 800 W x 2 amp with active crossover. FR 29-200 Hz ± 2.5 dB; THD 1% at 100 dB; sens 96 dB SPL/W/m; imp 8 ohms. Oiled walnut or oak cabinet with black cloth grille. 27 x 63¼ x 16 in; 150 lb \$1,990

No amp, passive crossover . . . \$1,290

Professional Series IIS 3-Way Speaker

Vented 12-in woofer, 2-in dome midrange, and 1-in dome tweeter. Midrange and tweeter level controls. FR 29-20,000 Hz ± 2.5 dB; 0.9% THD at 100 dB; sens 95 dB SPL/W/m; Imp 8 ohms; crossover points 800 and 6,600 Hz. Oiled walnut or oak cabinet with black cloth grille. 16 x 36 x 14¼ in; 80 lb . . . \$1,780/pr

Transcendent 2-Way Speaker

Vented 12-in woofer, 1¼-in dome midrange/tweeter. Features midrange and tweeter level controls. FR 38-20,000 Hz ± 2.5 dB; THD 1% at 100 dB; sens 94 dB SPL/W/m; Imp 8 ohms; crossover point 1,900 Hz. Oiled walnut or oak cabinet with black cloth grille. 16 x 32 x 11¾ in; 51 lb . . . \$980/pr

Intimate 2-Way Speaker

Acoustic-suspension design with 10-in woofer, 1-in dome tweeter. Features tweeter level control. FR 49-20,000 Hz ± 2.5 dB; THD 2% at 100 dB; sens 93 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Oiled walnut or oak cabinet with black cloth grille. 12 x 24 x 10¼ in; 29 lb . . . \$580/pr

Shadow 2-Way Speaker

Acoustic-suspension design with 8-in woofer, 1-in dome tweeter. FR 69-20,000 Hz ± 2.5 dB; THD 2% at 100 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Cylindrical cabinet covered with black, brown or white cloth grille. 24½ high x 8¾ in diameter . . . \$380/pr

Angstrom 2-Way Speaker

Acoustic-suspension design with 6½-in woofer, 1-in dome tweeter. FR 78-20,000 Hz ± 2.5 dB; THD 2% at 100 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Walnut or oak finish. 7½ x 12¾ x 6½ in; 9 lb . . . \$380/pr

Charcoal-enamel finish . . . \$300/pr

ACOUSTIC RESEARCH

Athena Subwoofer/Satellite System

Subwoofer with 8-in dual-voice-coil, woofer in filtered suspension enclosure. Two satellites, each with 3½-

in midrange and ¾-in liquid-cooled fabric-dome tweeter. Bass module features forced air cooling. Satellites feature magnetically shielded cabinets. 40 lb total . . . \$599

Wall mount kit for satellite speakers . . . \$49

Classic Series

The following feature a symmetrical radiation configuration and an internally-braced high-density MDF cabinet.

Model 30 3-Way Speaker

Acoustic-suspension design with two 10-in mineral-filled polypropylene-cone woofers, two 5¼-in poly-cone midranges, and one 1-in soft-dome tweeter. FR 38-20,000 Hz +0, -3 dB; sens 88 dB SPL/W/m; imp 6 ohms; crossover points 200 and 3,000 Hz. 11 x 51½ x 15 in . . . \$2,400/pr

Model 26 3-Way Speaker

Acoustic-suspension design with two 8-in mineral-filled polypropylene-cone woofers, two 5¼-in poly-cone midranges, and one 1-in soft-dome tweeter. FR 45-20,000 Hz +0, -3 dB; sens 88 dB SPL/W/m; imp 6 ohms; crossover points 200 and 3,000 Hz. 9¾ x 45½ x 12¾ in . . . \$1,800/pr

Model 18 3-Way Speaker

Acoustic-suspension design with one 8-in mineral-filled polypropylene-cone woofer, two 5¼-in poly-cone midranges, and one 1-in soft-dome tweeter. FR 45-20,000 Hz +0, -3 dB; sens 88 dB SPL/W/m; imp 6 ohms; crossover points 200 Hz and 3,000 Hz. 9¾ x 35½ x 12¾ in . . . \$1,600/pr

Model 10 2-Way Speaker

Vented design with two 5¼-in poly-cone woofers and one 1-in soft-dome tweeter. FR 40-20,000 Hz +0, -3 dB; sens 88 dB SPL/W/m; imp 6 ohms; crossover point 3,000 Hz. 8½ x 25½ x 11 in . . . \$1,200/pr

Powered Partner Series

The following are powered and feature a triangular-shaped enclosure with polypropylene woofers and midrange drivers.

Powered Partner 570 2-Way Powered Speaker

Acoustic-suspension design with 5-in woofer and 1-in liquid-cooled tweeter. Magnetically-shielded cabinet; auto power on/off. Volume, bass, and treble controls; LED power-on indicator. Power output 35 W x 2 into 8 ohms; FR 40-25,000 Hz +0, -3 dB; crossover point 5,000 Hz. Die-cast alloy cabinet and end cap. 6½ x 10½ x 7¾ in; 8 lb . . . \$399/pr

Powered Partner 622 Subwoofer/Satellite System

Bass module with 6-in woofer and two satellites, each with 2½-in full-range drivers. Magnetically shielded cabinet; active crossover. Volume, bass, and treble controls. Power output 30 W x 1 (bass module), 8 W x 2 (satellites) . . . \$349

Powered Partner 42 Powered Speaker

Two 2½-in drivers. Features magnetically-shielded cabinet; volume and tone controls. Power output 8 W x 2 . . . \$229/pr

Powered Partner 22 Powered Speaker

2½-in driver. Magnetically shielded cabinet. Volume control. Power output 3 W x 2 . . . \$109/pr

Holographic Imaging Series

M6 3-Way Speaker

Acoustic-suspension design with two 8-in paper-cone woofers, 5-in midrange, and ¾-in ferrofluid-cooled aluminum-dome tweeter. Power handling 200 W. Gray suede, white/black gloss, or veneer finish. 8½ x 42 x 10½ in; 42 lb . . . \$1,299/pr

M5 3-Way Speaker

8-in pulp-paper woofer in filtered suspension enclosure. 5-in carbon/mica-filled polypropylene mid-range, and ¾-in aluminum dome tweeter. Black-ash veneer, walnut veneer, or glass black laminate finish-

S P E A K E R S

es. 38 lb \$1,080/pr
 Gray Nextel finish \$980/pr

M4.5 3-Way Speaker

Acoustic-suspension design with 8-in pulp-paper cone woofer, 8-in mica-filled polypropylene woofer, and 3/4-in fiber-dome tweeter. 33 lb \$799/pr

M4 3-Way Speaker

Acoustic-suspension design with 6-in pulp woofer, 6-in polypropylene midrange, and 3/4-in ferrofluid-cooled dome tweeter. Power handling 150 W; FR 50-20,000 Hz -3 dB, sens 88 dB SPL/W/m; imp 4 ohms; crossover points 100 and 3,600 Hz. Charcoal-gray vinyl finish. 7 3/4 x 28 1/2 x 15 1/4 in; 26.5 lb \$599/pr

M3 3-Way Speaker

Acoustic-suspension design with 8-in polypropylene woofer, 2 1/2-in midrange, and 1/2-in ferrofluid-cooled dome tweeter. Power handling 125 W; FR 53-20,000 Hz -3 dB, sens 90 dB SPL/W/m; imp 4 ohms; crossover points 1,200 and 7,000 Hz. Charcoal-gray vinyl finish. 9 1/4 x 21 1/2 x 15 3/4 in; 23.5 lb \$399/pr

M2 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in polypropylene woofer and 3/4-in ferrofluid-cooled dome tweeter. Power handling 125 W; FR 58-20,000 Hz -3 dB, sens 90 dB SPL/W/m; imp 4 ohms; crossover point 3,600 Hz. Charcoal-gray vinyl finish. 9 1/4 x 16 1/4 x 14 in; 18.5 lb \$329/pr

M1 2-Way Bookshelf Speaker

Acoustic-suspension design with 6-in polypropylene woofer and 3/4-in ferrofluid-cooled dome tweeter. Power handling 100 W; FR 65-20,000 Hz -3 dB, sens 88 dB SPL/W/m; imp 4 ohms; crossover point 3,600 Hz. Charcoal-gray vinyl finish. 7 3/4 x 10 3/8 x 11 1/4 in; 12 lb \$269/pr

M.5 2-Way Bookshelf Speaker

Vented design with 5 1/4-in polypropylene woofer and 1/2-in polydome tweeter. 11 lb \$219/pr

MC.1 2-Way Speaker

Designed for surround applications. 4-in long-throw woofer, two passive radiators, and 3/4-in soft-dome tweeter. 14 lb \$159

ADJO

Ethic 2-Way Speaker

Stand-mounted, vented design with 6 1/2-in polypropylene woofer and 1-in metal-dome tweeter. Bessel crossover with air-core inductors and polypropylene capacitors; 24-ft AudioQuest OFHC biwire cable assembly. Power handling 100 W; FR 55-20,000 Hz ±3 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover points 3,300 Hz. Oak finish, black-knit grille. 10 1/2 x 35 x 12 in (with stand); 27.5 lb \$2,463/pr
 Walnut veneer enclosure \$2,497/pr
 Teak veneer enclosure \$2,588/pr

a/d/s/

Reference Monitor and SAT series styling was designed by Frogdesign of Europe.

Reference Monitor Series

M30 3-Way Speaker

Dual-tuned band-pass design with two 10-in copolymer woofers, two 6-in copolymer midrange drivers, and one 1-in copolymer dome tweeter. Features butyl-rubber surrounds and OFC voice coils; solid-state tweeter protection; multiway binding posts. Power handling 500 W; FR 20-22,000 Hz ±3 dB; sens 91 dB SPL/W/m; imp 4 ohms; crossover points 160 and 3,000 Hz at 24 dB/oct. Rosewood and matte black-veneer finish with steel-mesh grille. 21 1/8 x 56 x 25 3/8 in; 150 lb \$8,000/pr

M20 3-Way Speaker

Dual-tuned band-pass design with two 8-in copolymer woofers, one 6-in copolymer midrange, 1-in

copolymer dome tweeter. Features butyl-rubber surrounds and oxygen-free copper voice coils; auto solid-state protection; multiway binding posts. Power handling 250 W; FR 23-22,000 Hz ±3 dB; sens 91 dB SPL/W/m; nom imp 4 ohms; crossover points 200 and 2,500 Hz at 24 dB/oct. Rosewood or matte black-veneer finish with steel-mesh grille. 10 3/8 x 43 1/4 x 16 1/2 in; 88 lb \$3,500/pr

Subwoofer Systems

Sub12 Powered Subwoofer

12-in woofer in band-pass enclosure; 350-W amp with auto/manual turn-on; balanced-bridge driver-control system; 4th-order Linkwitz-Riley active crossover network with selectable low/high pass points. Subwoofer level adjustable from -12 to +6 dB; crossover points 60, 80, 100 Hz low and high pass. Walnut veneer and black finish. 19 x 17 3/4 x 19 in \$1,895

Sub10 Powered Subwoofer

10-in woofer in band-pass enclosure; 150-W amp with auto/manual turn-on; balanced-bridge driver-control system; 4th-order Linkwitz-Riley active crossover network with selectable low/high pass points. Subwoofer level adjustable from -12 to +6 dB; crossover points 60, 80, 100 Hz low and high pass. Walnut-veneer and black finish. 19 x 21 1/8 x 19 in \$1,295

Sub6 Subwoofer

6 1/2-in dual-voice-coil driver in band-pass enclosure. Features passive high/low-pass crossover. Compatible with L200e and L300e speakers. Black or white finishes. 19 x 8 1/2 x 8 in \$295
SW2. As above, floor/ceiling mount \$400

SAT Series

SAT7 3-Way Speaker

7-in woofer, 1 1/2-in copolymer-dome midrange, and 1-in polypropylene-dome tweeter. 4th-order Linkwitz-Riley crossover network; isolated floating-baffle design. Power handling 200 W cont; FR 40-20,000 Hz; crossover points 700, 4,000 Hz with 24-dB/oct slope; imp 4 ohms. Walnut-veneer and black finish. 8 7/8 x 17 1/8 x 10 3/4 in \$1,400/pr

SAT6 2-Way Speaker

6-in woofer and 1-in polypropylene-dome tweeter. 4th-order Linkwitz-Riley crossover network; isolated floating-baffle design. Power handling 150 W cont; FR 50-20,000 Hz; crossover point 2,000 Hz with 24-dB/oct slope; imp 4 ohms. Walnut-veneer and black finish. 7 3/8 x 13 x 9 in \$800/pr

SAT5 2-Way Speaker

5-in woofer and 1-in polypropylene-dome tweeter. 4th-order Linkwitz-Riley crossover network; isolated floating-baffle design. Power handling 100 W cont; FR 60-20,000 Hz; crossover point 2,000 Hz with 24-dB/oct slope; imp 4 ohms. Walnut-veneer and black finish. 8 7/8 x 17 1/8 x 10 3/4 in \$650/pr

In-Wall Speakers

750iL 3-Way In-Wall Speaker

Infinite-baffle design with 7-in copolymer woofer, 1 1/2-in dome midrange, and 1-in copolymer-dome tweeter. Magnetically isolated high- and low-pass 4th-order Linkwitz-Riley 3-way crossover network; biwire/biamp terminals with dual isolated grounds. Zero-diffraction isolated flush-baffle design; cast-aluminum mounting system. Power handling 150 W cont; FR 42-20,000 Hz; crossover points 700, 4,000 Hz with 24-dB/oct slope; imp 4 ohms. Oak, walnut, white, or black finish. 9 1/4 x 17 1/4 x 7 1/8 in \$1,000/pr

Model 400i/s 2-Way In-Wall Speaker

6-in copolymer woofer and 1-in copolymer-dome tweeter in minimum-diffraction-baffle enclosure. Power handling 100 W cont; FR 42-20,000 Hz ±3 dB; sens 91 dB SPL/W/m; crossover point 2,000 Hz; imp 4 ohms. 7 1/8 x 10 3/8 x 4 1/4 in; 5 lb \$500/pr

Model 300i/s 2-Way In-Wall Speaker

5 1/4-in copolymer woofer and 1-in copolymer-dome tweeter in minimum diffraction-baffle enclosure. Power handling 100 W cont; FR 50-20,000 Hz ±3 dB; sens 92 dB SPL/W/m; crossover point 2,500 Hz; imp 4 ohms. 8 5/8 x 10 5/8 x 5 in; 1 3/4 lb \$400/pr

Miniature Speakers

L400e 2-Way Speaker

Acoustic-suspension design with 7-in Stiffite woofer, 1-in copolymer tweeter. Features aluminum enclosure; wall mountable. Power handling 100 W cont; FR 60-20,000 Hz ±3 dB; crossover point 2,000 Hz with 12-dB/oct slope; sens 88 dB SPL/W/m; imp 4 ohms. Black or white textured urethane finish with convex-steel grille. 7 3/8 x 11 7/8 x 7 7/8 in \$600/pr

L300e 2-Way Speaker

Acoustic-suspension design with 5 1/4-in Stiffite woofer, 1-in copolymer tweeter. Features aluminum enclosure; wall mountable. Power handling 75 W cont; FR 60-20,000 Hz ±3 dB; crossover 2,000 Hz with 12-dB/oct slope; sens 88 dB SPL/W/m; imp 4 ohms. Black or white textured urethane finish with convex-steel grille. 6 x 8 5/8 x 6 in \$500/pr

L200e 2-Way Speaker

Acoustic-suspension design with 4-in Stiffite woofer, 1-in copolymer tweeter. Brushed-aluminum enclosure; wall mountable. Power handling 50 W cont; FR 85-20,000 Hz ±3 dB; crossover point 2,000 Hz, 12-dB/oct slope; sens 86 dB SPL/W/m; imp 4 ohms. Textured urethane finish with convex-steel grille. 4 1/2 x 6 7/8 x 8 7/8 in \$400/pr

ADVANCED AKUSTIC

1001 MkII Akustic Reference 3-Way Speaker

Aperiodic design with two 12-in woofers, two 5-in cone mdranges, 7/8-in dome tweeter. Power handling 100 W cont avg; FR 25-35,000 Hz ±2 dB; sens 92 dB SPL/W/m; imp 4 ohms; crossover points 115 and 3,150 Hz. Optional wood finish and black metal grille. 14 x 62 x 22 in; 200 lb \$6,800/pr

801 MkII Akustic Reference 2-Way Speaker

6th-order bandpass design with two 9-in woofers and 1 1/8-in dome tweeter. Power handling 50 W cont avg; FR 30-24,000 Hz ±2 dB; sens 92 dB SPL/W/m; imp 4 ohms; crossover point 2,250 Hz. Optional wood finish and black metal grille \$3,800/pr

701 MkII Reference 2-Way Speaker

Vented design with 9-in woofer and 1 1/8-in dome tweeter. Power handling 50 W cont avg; FR 35-24,000 Hz ±2 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 2,250 Hz. Optional wood finish and black metal grille. 10 x 40 x 12 in; 70 lb \$2,400/pr

MkII Reference Subwoofer

12-in aperiodic design. Woofer-level control. Power handling 100 W cont avg; FR 25-150,000 Hz ±2 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 115 Hz. Optional wood finish and black metal grille. 14 x 26 x 22 in; 90 lb \$2,200/pr

401 MkII Akustic 2-Way Speaker

Aperiodic design with two 7-in woofers and one 3/4-in dome tweeter. Power handling 50 W cont avg; FR 40-20,000 Hz ±2 dB; sens 90 dB SPL/W/m; imp 4 ohms; crossover point 3,150 Hz. Optional wood finish and black metal grille. 8 1/2 x 36 x 10 3/4 in; 50 lb \$2,000/pr

101 MkII Micro Reference 2-Way Speaker

Vented design with 5-in woofer and 3/4-in dome tweeter. Power handling 50 W cont avg; FR 50-40,000 Hz ±2 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 3,150 Hz. Optional wood finish and black metal grille. 7 x 13 x 9 in; 25 lb \$1,300/pr

201 MkII Compact 2-Way Speaker

Aperiodic design with 7-in woofer and 3/4-in dome tweeter. Power handling 50 W cont avg; FR 45-40,000 Hz ±2 dB; sens 86 dB SPL/W/m; imp 8 ohms;

S P E A K E R S

crossover point 3,150 Hz. Optional wood finish and black metal grille. 9 x 15 x 11 in; 30 lb. . . . \$1,200/pr

MkII Compact Subwoofer

Vented design with 9-in woofer. Woofer-level control. Power handling 50 W cont avg; FR 30-150,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 115 Hz. Optional wood finish and black metal grille. 11 x 24 x 16 in; 60 lb \$1,200/pr

ADVANCED ELECTRODYNAMIC SYSTEMS

Cybele DLS-73 2-Way Speaker

Infinite-baffle design with 12-in woofer and 6-in Kevlar waveguide tweeter. Power handling 100 W cont; FR 30-20,000 Hz; sens 85 dB SPL/W/m; crossover point 1,500 Hz; nom imp 8 ohms. Knit cloth grille with gray base. 15 x 44 x 11 in; 63 lb \$2,195/pr

ADVANCED SOUND

The following feature internally-braced cabinets made of veneered 3/4-in particleboard. All systems include a crossover and are covered by a 30-day in-home trial period and 3-year limited warranty. Most are also available in kit form.

Bi-Polar 4-Way Speaker

Omnidirectional design with two 8-in woofers. 4 1/2-in ferrofluid-cooled polypropylene-treated cone midrange, 4 1/2-in dome tweeter, dome supertweeter. Pedestal cabinet; 12-dB/oct crossover. FR 150-22,000 Hz \pm 3 dB; sens 94 dB SPL/W/m; crossover points 150 Hz, 1,000 Hz, 5,000 Hz, and 12,000 Hz; imp 6/4 ohms. Biwire/biamp terminals. Oak or walnut-veneer sides, pedestal, and base. Black formica-slate top. Recessed grille with black or brown cloth on front and rear of cabinet. 49 1/2 x 30 x 6 in; 180 lb \$7,500/pr

Bi-Polar Powered Subwoofer

Four 10-in woofers in 2 separate tuned-port chambers. Pedestal cabinet with wood-veneer side panels; 160 W x 2 amp with level controls. FR 30-150 Hz \pm 3 dB; sens 94 dB SPL/W/m; crossover point 150 Hz; imp 3/4 ohms. Oak or walnut-veneer sides, pedestal and base. Black formica-slate top. Recessed grille with black or brown cloth. 49 1/2 x 20 x 28 in; 300 lb \$5,900/pr

Campanile Model II 3-Way Speaker

Tuned-port tower design with two 10-in long-throw woofers, 8-in midrange in open-backed isolation chamber, and 3-in ferrofluid-cooled polycarbonate-dome tweeter. Features tweeter and midrange level controls. Sens 93 dB SPL/W/m; crossover points 300 and 2,500 Hz; imp 4/3 ohms. Oak or walnut veneer top, solid oak or walnut trim, and black pedestal and veneer base, wrapped in black or brown cloth. 49 x 13 x 20 in; 130 lb \$4,000/pr
Kit form of above \$3,500/pr

Campanile Model I. As above, two 8-in woofers, 4 1/2-in polypropylene treated, ferrofluid-cooled cone midrange in isolation chamber, and 3-in ferrofluid-cooled polycarbonate-dome tweeter. FR 38-20,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 6/4 ohms. Oak or walnut-veneer top, solid oak or walnut trim, and black base, wrapped in black or brown grille cloth. 36 x 13 x 13 in; 95 lb \$2,000/pr
Kit form of above \$1,700/pr

Ziggurat 3-Way Speaker

Tuned-port, time-aligned sloping front-baffle design with 12-in woofer, 4 1/2-in ferrofluid-cooled polypropylene-treated cone midrange in isolation chamber, and 3-in ferrofluid-cooled polycarbonate-dome tweeter. Features tweeter and midrange level controls; pedestal cabinet. FR 32-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; crossover points 300 and 2,500 Hz; imp 6/8 ohms. Oak or walnut-veneer sides, pedestal, and base. Black formica slate top. Removable recessed grille with black or brown cloth. 41 x 18 x 16 in; 150 lb \$3,500/pr
Kit form \$3,100/pr

Monolith Model 12P Powered Subwoofer

Tuned-port design with 12-in woofer and 100 W x 2 amp with level control. Designed to complement Campanile. FR 38-150 Hz \pm 3 dB; sens 91 dB SPL/W/m; crossover point 150 Hz; imp 6/8 ohms. Oak or walnut veneer top and black base wrapped in black or brown grille cloth. 22 x 20 x 20 in; 120 lb \$1,800/pr

Monolith Model 10P. As above, 10-in woofer. FR 32-150 Hz \pm 3 dB \$1,500/pr

Monolith Model 12. As above, 12-in woofer, without amplifier. FR 38-150 Hz \pm 3 dB \$1,200/pr
Kit form of above \$1,100/pr

Monolith Model 10 Mono. As Model 10-P, 10-in woofer, no amp \$1,100/pr
Kit form of above \$1,000/pr

Cornerstone 4/8P Powered Subwoofer

Cube design with four 8-in woofers in 2 sealed, tuned-port chambers. Two 60 W x 2 amps with level controls and dual inputs. Designed to complement Cornerstone satellites or Campanile I. Sens 94 dB SPL/W/m; crossover point 150 Hz; imp 4/3 ohms. Oak or walnut-veneer top and black base, wrapped in black or brown grille cloth. 22 x 20 x 20 in; 145 lb \$908

Model 12SP. As above, one 12-in dual-voice-coil woofer. FR 38-150 Hz \pm 3 dB; sens 89 dB SPL/W/m; no crossover \$750

Model 4/8 S. As above, four 8-in woofers; no amp. FR 45-150 Hz \pm 3 dB; sens 94 dB SPL/W/m; crossover point 150 Hz \$600
Kit form of above \$550

Model 12S. As above, one 12-in woofer; no amp. FR 38-150 Hz \pm 3 dB; sens 89 dB SPL/W/m \$458
Kit form of above \$408

Cornerstone 2-Way Bookshelf Speaker

Two 4 1/2-in polypropylene-treated full-range drivers and one 3-in polycarbonate-dome tweeter in center. FR 120-20,000 Hz \pm 3 dB; sens 94 dB SPL/W/m; crossover point 6,000 Hz; imp 4/6 ohms. Oak or walnut-veneer top and base, wrapped in black or brown grille cloth. 18 x 7 1/2 x 12 in; 23 lb \$425/pr

ADVENT

Advent Heritage 2-Way Speaker

Two 8-in aluminum-coil woofers, 1-in ferrofluid-cooled parabolic-dome tweeter. Power handling 150 W rms; FR 42-23,000 Hz \pm 3 dB; sens 89.5 dB SPL/W/m; imp 6 ohms; crossover point 3,500 Hz; THD 0.5% above 75 Hz at 1 W; resonance 55 Hz \pm 5 Hz. Oiled-pecan finish. 10 1/2 x 37 3/4 x 13 in; 46 lb \$700/pr

Advent Laureate 2-Way Speaker

Dual 6 1/2-in woofer, 1-in ferrofluid-cooled parabolic soft-dome tweeter. Power handling 125 W cont avg; sens 90 dB SPL/W/m; nom imp 6 ohms; crossover point 3,000 Hz; total harmonic distortion 1% above 80 Hz at 1 W, 1.5% above 100 Hz at 10 W; resonance 50 Hz \pm 3 Hz. Oiled-solid pecan wood. 9 x 37 3/4 x 12 in; 46 lb \$550/pr

Advent Legacy II 2-Way Speaker

10-in aluminum-coil woofer, 1-in ferrofluid-cooled parabolic-dome tweeter. Power handling 100 W cont avg; FR 38-23,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 2,000 Hz; THD 1% above 100 Hz at 10 W; resonance 51 Hz \pm 3 Hz. Oiled-pecan top and base; black-textured vinyl over fiberboard. 16 x 28 1/4 x 9 1/4 in; 46.5 lb \$460/pr

Advent Gallery Series 2-Way In-Wall Speaker

Acoustic-suspension design with 6 1/2-in woofer, 1/2-in ferrofluid-cooled polycarbonate-dome tweeter. Power handling 50 W cont avg; FR 60-21,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 6 ohms; crossover point 4,500 Hz. Solid pecan frame with black grille, baffle, and trim plate. 12 7/8 x 8 5/8 in \$399/pr
Paintable white finish \$349/pr

Advent Prodigy Tower 2-Way Speaker

8-in woofer and 3/4-in ferrofluid-cooled polyimide-dome tweeter. Features aluminum voice coil. Power handling 75 W rms; FR 45-23,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; nom imp 6-8 ohms. Black-stained oak

top and base and black textured-vinyl over fiberboard sides. 10 x 28 1/2 x 8 3/4 in; 25.3 lb \$360/pr

Advent Prodigy II 2-Way Bookshelf Speaker

8-in woofer and 3/4-in ferrofluid-cooled polyimide-dome tweeter. Power handling 75 W cont avg; FR 45-23,000 Hz \pm 3 dB. Features solid pecan end caps \$360/pr

Advent Graduate 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in long-throw woofer and 1/2-in ferrofluid-cooled polycarbonate-dome tweeter. Features aluminum voice coil. Power handling 70 W rms; FR 55-21,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; crossover point 4,500 Hz; resonance 75 Hz \pm 5 dB; nom imp 6-8 ohms. Black-stained oak top and base and black textured-vinyl over fiberboard sides. 12 1/8 x 18 x 7 1/4 in; 18 lb \$298/pr

Mini-Advent Subwoofer II/Satellite System

2 Mini-Advent speakers and subwoofer with two 5 1/4-in aluminum-coil drivers. Power handling 40 W cont avg; FR 110-21,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 6 ohms; satellite crossover point 4,500 Hz; THD 1.5% above 200 W at 1 W. Black-textured-vinyl over fiberboard sides. 15 1/2 x 13 x 18 1/4 in; 10 lb \$290

Advent Baby II 2-Way Bookshelf Speaker

6 1/2-in aluminum-coil woofer and 1/2-in ferrofluid-cooled polyimide-dome tweeter. Power handling 50 W rms; FR 60-21,000 Hz \pm 3 dB; sens 89 dB \pm 3 dB; nom imp 6-8 ohms; crossover point 4,500 Hz; THD 1.25% above 100 at 1 W; resonance 79 Hz \pm 5 Hz. Oiled solid-wood top and black textured-vinyl over fiberboard sides. Also available in black oak. 11 x 16 1/2 x 6 1/4 in; 13 lb \$250/pr

Mini-Advent 2-Way Bookshelf Speaker

Compact design with 5 1/4-in woofer, 1/2-in ferrofluid-cooled polycarbonate tweeter. Power handling 40 W cont avg; FR 110-21,000 Hz \pm 3 dB; sens 88 dB; imp 6 ohms; crossover point 4,500 Hz; THD 1.5% above 200 at 1 W; resonance 85 Hz \pm 5 Hz. Solid pecan top and base. Also available in black oak. 6 1/2 x 11 x 5 1/2 in; 10 lb \$200/pr

Mini-Advent 2-Way Outdoor Speaker

5 1/4-in woofer and 1/2-in ferrofluid-cooled polycarbonate-dome tweeter. Features aluminum voice coil. Power handling 40 W rms; FR 110-21,000 Hz \pm 3 dB; sens 88 dB; nom imp 6-8 ohms; crossover point 4,500 Hz; THD 1.5% above 200 Hz at 1 W; resonance 85 Hz \pm 5 Hz. Black or white top and base. 6 1/2 x 11 x 5 1/2 in; 10 lb \$200/pr

Mini-Advent Bracket. Water-resistant stand for above \$60/pr

Advent Audio Focus Center-Channel Speaker

Magnetically-shielded cabinet with two dual-cone 4-in drivers. Power handling 70 W rms; FR 80-20,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; resonance 180 Hz \pm 5 dB; imp 8 ohms. Black textured-vinyl over fiberboard sides. 13 x 6 x 5 1/2 in; 6 lb \$149

New Vision Series

Model 500 3-Way Speaker

6 1/2-in aluminum-coil woofer, 5/4-in felted and molded-graphite midrange, and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 150 W cont avg; FR 40-23,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 200 and 3,000 Hz. Oiled-teak veneer. 8 3/4 x 11 3/8 x 3 3/4 in; 42 lb \$1,060/pr

Model 350 2-Way Speaker

6 1/2-in woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 500 W; FR 41-23,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 6 ohms; crossover point 3,000 Hz; resonance 65 Hz \pm 5 Hz. Vinyl veneer. 13 7/8 x 43 3/8 x 9 3/4 in; 43 lb \$740/pr

Model 250 3-Way Mini Speaker

5 1/4-in woofer, 5/4-in graphite midrange, and 1-in ferrofluid-cooled polyimide-dome tweeter. Features band-pass enclosure. Power handling 100 W cont

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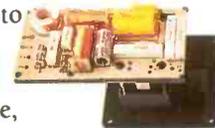
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avg; FR 45-23,000 Hz \pm 1 dB; sens 88 dB SPL/W/m; nom imp 6 ohms; crossover points 150 and 3,000 Hz. Vinyl veneer. 10 $\frac{3}{8}$ x 17 $\frac{3}{4}$ x 8 $\frac{1}{4}$ in; 22 lb . . . \$599/pr

AERIAL ACOUSTICS

Model 10-T 3-Way Speaker

10 $\frac{3}{8}$ -in cast-magnesium-frame woofer with polypropylene cone, 5 $\frac{1}{8}$ -in cast-magnesium-frame midrange with multi-layer Kevlar cone, and aluminum-dome tweeter with damped dual chamber magnet. Features 4th-order Linkwitz-Riley crossover; cross-braced bass chamber. FR 28-20,000 Hz \pm 2 dB; sens 86 dB 2.83V/m; imp 4 ohms; power handling 50 W min; crossover points 360 and 2,700 Hz. Available in walnut veneer with rosewood stain or hand polished satin lacquer finish. Includes upper grille hat and casters . . . \$4,495/pr

AES

The following are water resistant and do not require preinstalled mounting brackets.

AES-4 In-Wall Subwoofer

6 x 9-in polypropylene driver with dual voice coils. Power handling 60 W cont avg; FR 28-90 Hz; imp 8 ohms. 8 x 11 $\frac{3}{4}$ x 3 $\frac{3}{8}$ in . . . \$295

AES-3 In-Wall Subwoofer

6 x 9-in polypropylene driver. Power handling 100 W cont avg; FR 28-90 Hz; imp 8 ohms. 8 x 11 $\frac{3}{4}$ x 3 $\frac{3}{8}$ in . . . \$229

AES-2 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in polypropylene woofer and 1-in ferrofluid-cooled tweeter. Features auto-reset speaker protection. Power handling 80 W cont avg; FR 40-20,000 Hz; imp 8 ohms. 8 x 11 $\frac{3}{4}$ x 3 $\frac{3}{8}$ in . . . \$179

AES-1 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in polypropylene woofer and 2 $\frac{1}{4}$ -in tweeter. Auto-reset speaker protection. Power handling 60 W cont avg; FR 55-20,000 Hz; imp 8 ohms . . . \$124

AES-5 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in polypropylene woofer and 2 $\frac{1}{4}$ -in tweeter. Auto-reset speaker protection. Power handling 30 W cont avg; FR 70-20,000 Hz; imp 8 ohms . . . \$99

AIWA

SC-A70 Powered Mini Speaker

Bass-reflex design with 3-in full-range driver. Features auto power on/off switch; separate bass, treble, and volume controls; variable loudness control. Includes AC adaptor and 59-in Y-connector for portable stereos. Power output 3 W; FR 150-20,000 Hz; sens 86 dB SPL/W/m. 7 x 4 $\frac{1}{8}$ x 4 $\frac{1}{8}$ in; 19.2 oz . . . \$120/pr

SC-A50 Powered Mini Speaker

3-in full-range driver. Features auto power on/off switch; separate bass, treble, and volume controls; variable loudness control; direct-in terminal. Power output 2.5 W into 4 ohms at 1,000 Hz with 10% THD; FR 150-18,000 Hz; sens 86 dB SPL/W/m. Optional AC adaptor. 4 x 6 $\frac{3}{8}$ x 4 in . . . \$90/pr

SC-A40 Powered Mini Speaker

2-in full-range driver. Features auto power on/off switch. Power output 400 mW into 8 ohms at 1,000 Hz with 10% THD; FR 400-20,000 Hz; sens 83 dB SPL/W/m. 2 $\frac{7}{8}$ x 4 x 1 $\frac{1}{2}$ in; 4 oz . . . \$50/pr

SC-A30 Powered Mini Speaker

2-in full-range driver. Features slide-in mount. Power output 400 mW; FR 400-20,000 Hz; sens 83 dB SPL/W/m. Includes 39-in cord with mini plug. Operates on AA batteries. 3 x 4 x 1 $\frac{1}{2}$ in; 4 oz . . . \$45/pr

ALLISON

IC-20 3-Way Speaker

Acoustic-suspension triangular-shaped tower with two 10-in woofers, four 3 $\frac{1}{2}$ -in convex midranges,

and four 1-in convex tweeters. Features adjustable radiation pattern; push-pull woofers; separate triamp terminals for woofers, midranges, and tweeters; auto-resetting resistors in each crossover; braced cabinet damped with glass fiber. Power handling 400 W; FR -3 dB at 28.5 Hz, -8 dB at 21 Hz; sens 87 dB SPL/W/m; nom imp 6 ohms; crossover points 350 and 3,750 Hz. Oak, walnut, or black-veneer finishes. 21 x 48 x 12 in; 100 lb . . . \$5,200/pr

IC-10 3-Way Speaker

Acoustic-suspension triangular-shaped tower with two 8-in woofers, two 3 $\frac{1}{2}$ -in convex midranges, two 1-in convex tweeters. Features adjustable radiation pattern option; push-pull woofers; separate triamp terminals for woofers, midranges, tweeters; auto-resetting resistors in each crossover; braced cabinet damped with glass fiber. Power handling 200 W; sens 87 dB SPL/W/m; nom imp 6 ohms; crossover points 350 and 3,750 Hz. Lacquered walnut or black-veneer finish. 48 x 21 x 12 in; 73 lb . . . \$2,500/pr

IC-6 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in woofer and 1-in convex tweeter. Features speaker-protection circuit; angled sides for image enhancement and placement versatility. Power handling 150 W; FR -3 dB at 46 Hz, -8 dB at 34 Hz; sens 87 dB SPL/W/m; nom imp 6 ohms; min imp 4 ohms; crossover point 2,000 Hz. Lacquered walnut or black-veneer finish. \$600/pr

IC-5. As above, 4-in woofer. Power handling 75 W; FR -3 dB at 90 Hz, -8 dB at 62 Hz; crossover point 2,500 Hz. 8 x 7 x 7 in . . . \$400/pr

AL Series

The following feature speaker-protection circuitry and a 5-year warranty.

AL-130 3-Way Speaker

Acoustic-suspension design with two 8-in push-pull woofers, 3 $\frac{1}{2}$ -in midrange, and 1-in convex tweeter. Power handling 200 W; sens 87 dB SPL/W/m; imp 6 ohms; crossover points 450 and 4,000 Hz. Oak, walnut, or black-vinyl finish. 12 $\frac{1}{2}$ x 37 $\frac{1}{2}$ x 14 $\frac{1}{8}$ in; 57 lb . . . \$1,200/pr

AL-125. As above, two 6 $\frac{1}{2}$ -in push-pull woofers. 11 $\frac{1}{8}$ x 30 $\frac{7}{8}$ x 11 $\frac{1}{8}$ in; 40 lb . . . \$960/pr

AL-120 2-Way Speaker

Acoustic-suspension design with two 6 $\frac{1}{2}$ -in push-pull woofers and 1-in convex tweeter. Power handling 200 W; sens 87 dB SPL/W/m; imp 6 ohms; crossover points 100 and 2,000 Hz. Oak, walnut, or black-vinyl finish . . . \$660/pr

AL-115. As above, 8-in woofer. Power handling 150 W; crossover point 2,000 Hz. 11 $\frac{1}{8}$ x 20 x 10 $\frac{1}{8}$ in; 22 lb . . . \$460/pr

AL-110. As AL-115, 6-in woofer. 9 $\frac{1}{2}$ x 15 $\frac{7}{8}$ x 9 in; 16 lb . . . \$360/pr

AL-105. As above, with 1-in copolymer-dome tweeter. Crossover point 2,500 Hz. 9 $\frac{1}{2}$ x 14 $\frac{3}{4}$ x 8 $\frac{1}{4}$ in; 13 lb . . . \$260/pr

AL-100. As AL-105, with simpler crossover and smaller cabinet. Power handling 75 W. Walnut or black-vinyl finish. 9 $\frac{9}{16}$ x 13 $\frac{1}{4}$ x 7 $\frac{3}{4}$ in . . . \$220/pr

Compact Speakers

MS-205 Subwoofer/Satellite System

Includes one Mini 1SW and two MS-200 speakers. Power handling 100 W . . . \$550

Mini 1SW Subwoofer

Acoustic-suspension design with 8-in driver. Features protection circuitry. Power handling 100 W; FR -3 dB at 55 and 150 Hz; sens 90 dB SPL/W/m; nom imp 4 ohms; crossover point 150 Hz. Black-lacquer finish . . . \$300

MS-200 Miniature 2-Way Speaker

4-in woofer and 1-in convex tweeter. Features protection circuitry. Power handling 75 W; FR -3 dB at 95 Hz, -8 dB at 70 Hz; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 2,500 Hz. Black-lacquer finish . . . \$260/pr

ALTEC LANSING

The following feature a 5-year warranty.

Bias 550 5-Way Powered Speaker System

Two 10-in carbon-fiber subwoofers, 8-in carbon-fiber woofer, 6 $\frac{1}{2}$ -in carbon-fiber midrange, 2-in diamond-coated/polyimide upper midrange, and 1-in tweeter. 5 Class A/AB amps; each driver enclosed in separate chamber; 5-way Butterworth crossover. Separate volume control for each amp with remote control; swiveling mid- and high-frequency drivers. Subwoofer 250 W into 4 ohms; woofer, midrange, and upper midrange 125 W into 8 ohms; tweeter 75 W into 8 ohms; THD 0.05%; FR 20-22,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; crossover points 80, 150, 450, 1,500, and 4,500 Hz . . . \$12,000/pr

Model 512 4-Way Powered Speaker

Acoustic-suspension design with two 10-in carbon-fiber woofers, 6 $\frac{1}{2}$ -in carbon-fiber midbass, 2-in polyimide/diamond-coated midrange, and 1-in tweeter; 3 amps. Adjustable bass crossover; auto on/off switch. Triamp terminals. Woofer 250 W into 4 ohms; midbass, midrange, and tweeter 75 W into 8 ohms; THD 0.05%; FR 20-22,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; crossover points 80-250 Hz (woofer), 180, 1,500, 3,500 Hz. Walnut veneer or black. 13 x 57 x 13 $\frac{1}{2}$ in; 120 lb . . . \$4,500/pr

Model 511 4-Way Speaker

Acoustic-suspension design with two 10-in carbon-fiber woofers, 6 $\frac{1}{2}$ -in carbon-fiber midbass, 2-in polyimide/diamond-coated dome midrange, and 1-in diamond-coated dome tweeter with ferrofluid cooling. Features bi/tri/quad-amp terminals. Power handling 150 W nom, 300 W max; FR 30-20,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 4 ohms; crossover points 180, 1,500, and 3,500 Hz. Walnut veneer or black finish. 13 x 57 x 13 $\frac{1}{2}$ in; 110 lb . . . \$3,000/pr

Model 510A 3-Way Speaker

Acoustic-suspension design with two 10-in carbon-fiber woofers, 2-in polyimide/titanium midrange, 1-in ferrofluid-cooled polyimide/titanium dome tweeter. Biamp/triamp terminals; adjustable 1,500-3,500 Hz crossover for midrange. Power handling 150 W nom, 300 W max; FR 30-20,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 4 ohms; crossover points 180 and 1,500-3,500 Hz. Walnut veneer or black finish. 12 x 49 x 13 $\frac{1}{2}$ in; 88 lb . . . \$1,600/pr

Model 508A 3-Way Speaker

Acoustic-suspension tower design with two 8-in carbon-fiber cones, 2-in polyimide/titanium midrange, 1-in ferrofluid-cooled polyimide/titanium tweeter. Power handling 125 W nom, 250 W max; FR 32-22,000 Hz \pm 3 dB; sens 90.5 dB SPL/W/m; imp 6 ohms; crossover points 750, 3,500 Hz. Walnut veneer or black finish. 10 $\frac{3}{4}$ x 40 $\frac{1}{2}$ x 11 in . . . \$1,100/pr

AHT-2100 3-Way In-Wall Surround Speaker

THX-certified design with two 4-in carbon-filled polypropylene woofers, four 3-in carbon-filled polypropylene midranges, and two 7 $\frac{1}{8}$ -in ferrofluid-cooled polyimide-dome tweeters. Mountable on or inside wall. Power handling 100 W nom, 150 W max; FR 80-20,000 Hz; sens 89 dB SPL/W/m; crossover points 180 Hz and 3,000 Hz. 15 $\frac{3}{8}$ x 11 x 6 $\frac{1}{4}$ in; mounting depth 3 $\frac{1}{8}$ in . . . \$900/pr

Model 505A 3-Way Speaker

Acoustic-suspension design with 10-in carbon-fiber woofer, 3 $\frac{1}{2}$ -in carbon-fiber midrange, and 1-in ferrofluid-cooled polyimide/titanium tweeter. Power handling 100 W nom, 200 W max; FR 28-22,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 8 ohms; crossover points 250 and 3,500 Hz. Walnut veneer or black finish. 12 x 33 $\frac{3}{8}$ x 13 $\frac{3}{8}$ in . . . \$850/pr

Model 515. As above, in black or dark-oak vinyl finish . . . \$700/pr

PSW-10 Powered Subwoofer

10-in carbon-fiber driver powered by 100-W Class B amp. Selectable 50/80/100/150 Hz crossover with

18- or 24-dB/oct slopes. FR 26-180 Hz ± 3 dB; THD 0.1%; input imp 20 kilohms. Walnut veneer or black finish. 17 $\frac{3}{8}$ x 17 $\frac{3}{8}$ x 17 $\frac{3}{8}$ in \$850

Model 305A 3-Way Speaker

Acoustic-suspension design with 10-in carbon-fiber woofer, 2-in midrange, and 1-in tweeter. Power handling 100 W nom, 200 W max; FR 30-20,000 Hz ± 3 dB; sens 93 dB SPL/W/m; imp 8 ohms; crossover points 550 and 3,500 Hz. Walnut veneer or black finish. 14 $\frac{1}{2}$ x 27 x 12 in \$800/pr

Model 315. As above, in black or dark-oak vinyl finish \$650/pr

Model 205A 3-Way Speaker

Acoustic-suspension design with 8-in carbon-fiber woofer, 3 $\frac{1}{2}$ -in midrange, and 1-in polyimide/titanium tweeter. Power handling 75 W nom, 150 W max; FR 40-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 250 and 3,500 Hz. Walnut veneer or black finish. 12 x 22 x 9 $\frac{1}{2}$ in \$600/pr

Model 215. As above, in black or dark-oak vinyl finish \$500/pr

System 3 Subwoofer/Satellite System

Subwoofer module with two 8-in carbon-filled polypropylene woofers and 2 satellites, each with two 3-in carbon-filled-polypropylene midranges and $\frac{1}{2}$ -in dome tweeter with ferrofluid cooling. Power handling 80 W nom, 160 W max; FR 32-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 180 and 4,500 Hz. Black or white finish. Satellites 4 x 8 $\frac{1}{2}$ x 3 $\frac{3}{4}$ in. Subwoofer 12 x 9 $\frac{3}{4}$ x 20 in \$600

Model 100 3-Way Tower Speaker

Acoustic-suspension design with two 8-in carbon-filled polypropylene woofers, 4-in dome midrange, 7 $\frac{8}{16}$ -in dome tweeter with ferrofluid cooling. Features fiberglass-filled ABS cabinet. Power handling 100 W nom, 200 W max; FR 38-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 250 and 3,500 Hz. Black or dark oak vinyl finish. 10 $\frac{3}{4}$ x 40 $\frac{1}{2}$ x 11 in \$500/pr

ACS 300 Powered Computer Speaker System

Compact subwoofer/satellite system designed for multimedia computers, CD players, or CD-I players. Features powered subwoofer module with two 4-in drivers; two self-powered satellites, each with 4-in magnetically-shielded woofers and $\frac{1}{2}$ -in dome tweeters. Plugs into PC's audio or video card. Bass, treble, balance, volume, subwoofer, AV mixing, and DSP controls. 9 W x 2 satellite, 18 x 1 subwoofer amp, all with 0.8% THD; FR 35-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; crossover point 120 Hz with 24-dB/oct slope \$400

ACS 200. As above, without subwoofer. FR 100-20,000 Hz \$300

Model 105A 2-Way Bookshelf Speaker

Acoustic-suspension design with 6-in carbon-fiber woofer and 1-in polyimide/titanium tweeter. Power handling 50 W nom, 100 W max; FR 50-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Walnut veneer or black finish. 9 $\frac{1}{2}$ x 17 x 8 $\frac{1}{2}$ in \$375/pr

Model 115. As above, in black or dark oak vinyl finish \$275/pr

ITW 265 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in woofer and $\frac{7}{8}$ -in polyester-dome tweeters. Middle and high frequency roll-off controls. Power handling 40 W nominal, 100 W maximum; frequency response 40 Hz-20,000 Hz ± 3 dB; sensitivity 90 dB SPL/W/m; impedance 6 ohms; crossover point 3,500 Hz. 8 $\frac{7}{8}$ x 12 x 4 in \$300/pr

Model 95 3-Way Bookshelf Speaker

Acoustic-suspension design with 8-in carbon-filled polypropylene woofer, 4-in midrange, and $\frac{7}{8}$ -in polyimide-dome tweeter with ferrofluid cooling. Power handling 60 W nom, 120 W max; FR 40-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 250 and 3,500 Hz. Black or dark-oak vinyl finish. 12 x 22 x 9 in \$300/pr

Model 55 2-Way Indoor/Outdoor Speaker

Acoustic-suspension design with 4-in epoxy-reinforced carbon-fiber woofer and $\frac{3}{4}$ -in polyimide-dome tweeter. Sealed ABS cabinet. Power handling 40 W nom, 80 W max; FR 85-20,000 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 6 ohms; crossover point 3,500 Hz. Black or white finish. 6 $\frac{3}{8}$ x 9 $\frac{3}{8}$ x 5 $\frac{1}{2}$ in \$250/pr

ITW 260 In-Wall Subwoofer

Two 6 $\frac{1}{2}$ -in long-throw drivers. Power handling 80 W nom, 160 W max; FR 32-250 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 4 ohms; crossover point 160 Hz with 18-dB/oct slope. 12 $\frac{5}{8}$ x 19 $\frac{3}{4}$ x 3 $\frac{1}{2}$ in \$200

Model 85 2-Way Bookshelf Speaker

Acoustic-suspension design with 6 $\frac{1}{2}$ -in carbon-filled polypropylene woofer and $\frac{7}{8}$ -in polyimide-dome tweeter with ferrofluid cooling. Power handling 40 W nom, 100 W max; FR 50-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. Black or oak vinyl finish. 9 $\frac{1}{2}$ x 17 x 8 $\frac{1}{2}$ in \$200/pr

Model 66 2-Way Indoor/Outdoor Speaker

Acoustic-suspension design with two 6-in carbon-filled polypropylene woofers and $\frac{7}{8}$ -in polyimide-dome tweeter. Sealed and shielded ABS-plastic cabinet. Power handling 100 W nom, 200 W max; FR 45-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. Black or white finish. 7 $\frac{7}{8}$ x 15 $\frac{3}{4}$ x 7 in \$200

Model 75 2-Way Bookshelf Speaker

Acoustic-suspension design with 5 $\frac{1}{4}$ -in carbon-filled polypropylene woofer and $\frac{1}{2}$ -in polyimide-dome tweeter. Shielded cabinet. Power handling 40 W nom, 80 W max; FR 50-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Black or oak vinyl finish. 6 x 9 $\frac{1}{2}$ x 6 $\frac{5}{8}$ in \$160/pr

SW-8 Subwoofer

Ported design with 8-in woofer. Power handling 100 W; FR 35-250 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 180 Hz with 12-dB/oct slope. Black or dark oak vinyl finish \$150

ALTERNATIVE AUDIO

Klearnote Tweeter

3 $\frac{3}{4}$ -in domed design in clear acrylic housing. Power handling 75 W max; FR 1,000-40,000 Hz; sens 91 dB SPL/W/m; imp 1,000 ohms at 1,000 Hz and 20 ohms at 40,000 Hz. Includes speaker wire. Available only through mail order. 5 x 9 x 5 in \$60/pr

AMC

WM100 2-Way Speaker

Power handling 100 W max; FR 40-20,000 Hz; imp 8 ohms. 10 x 14 x 3 $\frac{3}{4}$ in \$240

WM75. As above, power handling 80 W max; FR 50-20,000 Hz. 8 $\frac{1}{2}$ x 12 x 3 in \$180

WM50. As WM75, power handling 60 W max. 7 $\frac{1}{2}$ x 11 x 2 $\frac{3}{4}$ in \$140

AMRITA AUDIO

The following are available with oak, walnut, or high-gloss piano finish. Tower models have foot spikes and compartments for mass loading.

Amrit-Reference Standards 3-Way Speaker

13-in bass-reflex woofer, dual 6 $\frac{1}{2}$ -in acoustic-suspension midranges, 1-in cloth-dome tweeter. Features felt insert in baffle. Biwire/biamp terminals. FR 24-20,000 Hz ± 3 dB; sens 92 dB; max SPL 118 dB; imp 6 ohms; crossover points 280 and 3,500 Hz. 15 x 48 $\frac{1}{2}$ x 19 $\frac{1}{2}$ in; 115 lb \$3,795/pr

Amrit-Summit Towers 3-Way Speaker

Two 10-in bass-reflex compound-woofers, 6 $\frac{1}{2}$ -in acoustic-suspension midrange, and 1-in cloth-dome tweeter. Features felt insert in baffle. Biwire/biamp terminals. FR 23-20,000 Hz ± 3 dB; sens 91 dB; max SPL 117 dB; imp 7 ohms; crossover points 240 and 4,500 Hz. 13 $\frac{1}{2}$ x 41 x 15 $\frac{1}{2}$ in; 93 lb \$1,995/pr

Amrit-Kronos Towers 3-Way Speaker

Two 8-in compound-woofer pairs, 3 $\frac{1}{2}$ -in cloth-dome midrange, 1-in cloth-dome tweeter. Features felt insert in baffles. Biwire/biamp terminals. FR 26-20,000 Hz ± 3 dB; sens 91 dB; max SPL 113 dB; imp 4 ohms; crossover points 650 and 4,500 Hz. 12 x 40 x 15 in, 70 lb \$1,595/pr

Amrit-Heartland Towers 2-Way Speaker

Two 8-in compound-woofer pairs, 1-in fluid-filled dome tweeter. Features felt insert in baffle. Biwire/biamp terminals. Sens 94 dB; max SPL 110 dB; imp 4 ohms; crossover point 3,400 Hz \$1,295/pr

Amrit-Allegro Towers 3-Way Speaker

10-in bass-reflex woofer, 3 $\frac{1}{2}$ -in cloth-dome midrange and 1-in metal-dome tweeter. Biwire/biamp terminals. FR 29-20,000 Hz ± 3 dB; sens 91 dB; max SPL 112 dB; imp 7 ohms; crossover points 650 and 4,500 Hz. 12 $\frac{1}{2}$ x 37 x 15 $\frac{1}{2}$ in; 60 lb \$1,095/pr

Amrit-MiniMonitor 2-Way Bookshelf Speaker

Two 8-in woofers and 1-in cloth-dome tweeter. FR 39-20,000 Hz ± 3 dB; sens 92 dB; max SPL 110 dB; imp 4 ohms; crossover point 3,100 Hz \$995/pr

Amrit-Thunderbird Subwoofer

Two 10-in woofers in 7th-order cabinet. FR 26-100 Hz ± 3 dB; sens 91 dB; imp 6 ohms \$895/pr

Amrit-Elan Towers 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in metal-dome tweeter. FR 32-20,000 Hz ± 3 dB; sens 90 dB; max SPL 110 dB; imp 7 ohms; crossover point 3,200 Hz. 11 x 35 x 13 in; 46 lb \$795/pr

Amrit-Legos 2-Way Bookshelf Speaker

Bass-reflex design with 8-in woofer and 1-in metal-dome tweeter. FR 35-20,000 Hz ± 3 dB; sens 90 dB; max SPL 110 dB; imp 7 ohms; crossover point 32,000 Hz. 15 x 20 x 14 in; 32 lb \$695/pr

Amrit-Troppo Towers 2-Way Speaker

Bass-reflex design with two 6 $\frac{1}{2}$ -in woofers and 1-in metal-dome tweeter. FR 35-20,000 Hz ± 3 dB; sens 92 dB; max SPL 106 dB; imp 6 ohms; crossover point 4,500 Hz. 9 $\frac{1}{2}$ x 34 $\frac{1}{2}$ x 8 $\frac{1}{2}$ in; 30 lb \$595/pr

Amrit-Motif 2-Way Bookshelf Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in woofer and 1-in metal-dome tweeter. FR 43-20,000 Hz ± 3 dB; sens 92 dB; max SPL 106 dB; imp 6 ohms; crossover point 4,500 Hz. 10 $\frac{1}{4}$ x 16 x 9 in; 17 lb \$495/pr

Amrit-Ariel 2-Way Speaker

Acoustic-suspension design with 6 $\frac{1}{2}$ -in woofer and 1-in metal-dome tweeter. FR 58-20,000 Hz ± 3 dB; sens 92 dB; max SPL 106 dB; imp 6 ohms; crossover point 4,500 Hz. 9 $\frac{1}{2}$ x 15 x 7 $\frac{1}{2}$ in; 15 lb \$445/pr

ANDANTE

M300 2-Way Mini Speaker

8-in woofer with coaxially mounted dome tweeter. Weather resistant. Power handling 20-100 W; FR 50-21,500 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Black finish. 9 x 9 x 7 in \$249/pr

M200 2-Way Mini Speaker

6 $\frac{1}{2}$ -in woofer with coaxially-mounted dome tweeter. Weather resistant. Power handling 15-80 W; FR 70-21,500 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black finish. 8 x 8 x 6 in \$189/pr

M100 2-Way Mini Speaker

Vented design with 4-in woofer. Power handling 10-60 W; FR 100-21,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 7 $\frac{1}{2}$ x 5 x 5 in; 3.3 lb \$129/pr

APOGEE

Grand 4-Way Ribbon Speaker

Two 12-in trapezoidal woofer ribbons and separate midrange and tweeter ribbons. Separate subwoofer/

S P E A K E R S

woofer/midrange/tweeter-level controls. Power handling 100 W cont avg; FR 15-25,000; imp 3 ohms; crossover points 70, 250 and 9,000 Hz. Optional finishes. 32 x 86 x 38 in; 600 lb \$75,000-\$80,000/pr

Diva 3-Way Ribbon Speaker

Trapezoidal woofer ribbon and separate midrange and tweeter ribbons. Adjustable crossover. Power handling 200 W cont avg; FR 20-25,000 Hz; sens 115 dB SPL/W/m; imp 4 ohms. Anthracite, taupe or custom finishes. 31 x 73 x 3 in; 150 lb \$9,995/pr
Diva Dax III. As above, with Dax III crossover. (listed below) \$11,595

Duetta Signature 2-Way Ribbon Speaker

Trapezoidal woofer ribbon and midrange/tweeter ribbon. Internal crossover. Power handling 200 W cont avg; FR 30-20,000 Hz; sens 100 dB SPL/W/m; imp 4 ohms. Anthracite, taupe, or custom finishes. 26 x 58 x 3 in; 115 lb \$4,995/pr

Centaur Major 2-Way Ribbon Speaker

Hybrid design featuring 10-in woofer and tweeter ribbon. Separate woofer and tweeter level controls. Power handling 80 W cont avg; FR 31-20,000 Hz; imp 6 ohms; crossover point 350 Hz. Optional finishes. 18 x 64 x 12 in; 100 lb \$3,695-\$4,195/pr
 Matching stand \$219

Caliper Signature 2-Way Ribbon Speaker

Trapezoidal woofer ribbon and midrange/tweeter ribbon. Internal crossover. Power handling 150 W cont avg; FR 30-20,000 Hz; sens 105 dB SPL/W/m; imp 3 ohms. Anthracite, taupe or custom finishes. 24 x 48 x 2 in; 70 lb \$3,295/pr

Stage 2-Way Ribbon Speaker

Trapezoidal woofer ribbon and midrange/tweeter ribbon. Internal crossover. Power handling 150 W cont avg; FR 35-20,000 Hz; sens 107 dB SPL/W/m; imp 3 ohms. Anthracite with basswood or mahogany trim, or taupe with mahogany trim \$2,595/pr
 Matching stands \$395/pr
Stage Subwoofer. For above. Features two 8-in woofers. Power handling 75 W min; FR 20-80 Hz; imp 3 ohms. Granite gray finish \$2,595/pr
Stage/Subwoofer Combination \$4,995

Centaur 2-Way Ribbon Speaker

Hybrid design with 8-in polypropylene woofer in acoustic-suspension enclosure and dipole midrange-tweeter ribbon. Power handling 150 W cont avg; FR 38-20,000 Hz; sens 107 dB SPL/W/m; imp 5 ohms. Agate or walnut fascia. 15 x 46 x 11 in; 65 lb \$1,795/pr

Ribbin-Wall 2-Way In-Wall Speaker

Hybrid design with 6 1/2-in woofer and 26-in line-source ribbon. Power handling 50 W cont avg; FR 40-20,000 Hz; imp 6 ohms; crossover point 1,200 Hz. Paintable flush-mounted metal grille. 52 x 12 x 3 1/4 in. Wall cutout 12 1/2 x 48 in; 40 lb \$1,350/pr

Centaur Minor 2-Way Ribbon Speaker

Hybrid design with 6 1/2-in woofer ribbon and tweeter ribbon. Woofer-level control. Power handling 50 W cont avg; FR 40-20,000 Hz; imp 6 ohms; crossover point 1,200 Hz. Metallic gray finish \$1,295/pr
 Matching stands \$169

Crossover

Dax III Active Crossover

For Diva, Duetta Signature, Caliper Signature, or Centaur Major. Compatible with balanced or single-ended amps. Features separate regulated power supply. High- and low-pass level controls. SN 100 dB; distortion 0.003%; output imp 8 ohms \$3,295

ARANT

The following feature a 5-year warranty.

A-200 3-Way Speaker

Vented design with 10-in woofer, 4 1/2-in dome midrange, and 1-in dome tweeter. Power handling 15 W

min; FR 34-22,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; crossover points 800 and 3,500 Hz; imp 6 ohms. Oiled walnut finish with black knit grille \$770/pr

A-100 2-Way Speaker

Tower design with 8-in polyfiber woofer, dome tweeter. Power handling 150 W max; FR 36-22,000 Hz; sens 88 dB SPL/W/m; imp 6 ohms; crossover point 2,000 Hz. 28 x 10 x 10 in \$600/pr

A-140 2-Way Speaker

6 1/2-in woofer, passive radiator, and 1-in dome tweeter. Power handling 12 W min; FR 32-22,000 Hz \pm 3 dB; sens 93 dB SPL/W/m; imp 8 ohms; crossover point 2,700 Hz. Oiled walnut finish with black knit grille. 11 x 19 x 11 in; 49 lb/pr \$550/pr

A-80 2-Way Speaker

8-in woofer and 1-in dome tweeter in vented enclosure. Power handling 12 W min; FR 38-22,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; crossover point 2,000 Hz; imp 6 ohms. Oiled walnut finish with black knit grille. 11 x 19 x 10 in; 38 lb/pr \$520/pr

A-60 2-Way Speaker

6 1/2-inch woofer and 1-inch dome tweeter in vented enclosure. Min power 12 W; FR 49-22,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; crossover point 2,500 Hz; imp 8 ohms. Oiled walnut finish with black grille \$330/pr

A-40 2-Way Speaker

4 1/2-in woofer and 3/4-in dome tweeter. Power handling 8 W min; FR 60-22,000 Hz \pm 3 dB; sens 86 dB; imp 6 ohms. Walnut finish \$220/pr

ATLANTIC TECHNOLOGY

Pattern 200 Powered Subwoofer/Satellite System

Subwoofer with two 8-in drivers; 5 satellites, each with two 3-in full-range drivers; 6-channel 120-W amp; Dolby Pro Logic decoder. Features 4 rotating dual-enclosure satellites; 1 dual-enclosure center-channel satellite; biampification for subwoofer and satellites; magnetic shielding; wireless remote control; theater compensation for bright soundtracks; 30-ms digital delay; dynamic EQ/limiter; 1 speaker- and 3 line-level inputs with auto source selection; test signal for center- and surround-channel balancing; individual volume for subwoofer, center, and surround channels; master volume control \$1,199

Pattern 100 Powered Subwoofer/Satellite System

Vented subwoofer with dual 6 1/2-in woofers; 2 satellites, each with two 3-in drivers; 60-W amp. Features rotating dual-enclosure satellites; biampification for subwoofer and satellites; magnetic shielding; satellite mounting brackets. Amplifier features dynamic EQ/limiter to protect subwoofer and enhance bass at low levels; 1 speaker- and 3 line-level inputs with auto source selection; dual-mode connectors for RCA and mini-plug inputs; \pm 6-dB bass control. FR 38-20,000 Hz; sens 110 dB SPL/W/m. Mounting brackets for satellites \$479
125 C. Pattern carrying case \$99
135 ST. Pattern satellite stands \$89
155 WB. Swivel wall-mount brackets \$59

150 Series

Model 152 PBM Powered Subwoofer

Bass enclosure with 8-in polypropylene woofer; 30 W x 3, 70 x 1 amps. Features bass-boost circuitry. Switchable 80/120-Hz crossover points with 24-dB/oct low-pass slope and 12-dB/oct high-pass slope; bass and treble controls \$499

Model 151 LR 2-Way Bookshelf Speaker

Molded cabinet with 4-in polypropylene woofer and 1/2-in soft-dome tweeter. Features magnetic shielding. Power handling 10-120 W rms \$149

Model 154 SR Surround Speaker

Two 3 1/2-in polypropylene midbass woofers. Features diagonal mounting to reverse phase between drivers. Includes wall-mount brackets \$149/pr

Model 153 C Center-Channel Speaker

Two 3 1/2-in polypropylene woofers and 1/2-in polypropylene soft-dome tweeter in symmetrical, horizontal alignment. Features magnetic shielding. Power handling 120 W rms. Matte black finish \$139

Surround Speaker Systems

Model 150 HT. Model 152 PBM, 2 Model 151 LR's, Model 153 C, and 2 Model 154 SRs \$849
Model 150 S. Model 152 PBM, Model 153 C, and 2 Model 154 SR's \$699
Model 150 A. Model 152 PBM and 2 Model 151 LR's \$599
Model 150 CSR. Model 153 C and 2 Model 154 SR's \$249

150 Series Accessories

156 ST. Speaker stands \$99
157 WB. Swivel wall-mount brackets \$59

AUDIENCE

Mikro 2-Way Mini Speaker

4-in paper midrange and 1-in cloth tweeter. Features die-cast aluminum construction. Power handling 100 W; FR 50-20,000 Hz; sens 85 dB SPL/W/m; nom imp 8 ohms; crossover point 4,000 Hz. Black or charcoal-gray finish. 4 1/2 x 7 x 4 in; 6 lb \$498/pr

Mikro Subwoofer

12-in driver. Power handling 100 W; FR 30-200 Hz; sens 85 dB SPL/W/m; nom imp 8 ohms. 18 1/4 x 11 x 18 1/4 in; 33 lb \$498

AUDIKRON

VTS 5 + 1 Subwoofer/Satellite System

Bass module with 12-in driver and 5 satellites, each with 4-in woofer and 1/2-in dome tweeter. Tweeter is mounted on antifriction mat. Black-matte finish. Subwoofer: 16 1/2 x 16 1/2 x 14 1/2 in. Satellite: 7 3/8 x 5 x 5 in \$999

AUDIO CONCEPTS

The following are available in kit or assembled form.

Sub 1 Subwoofer

12-in dual-voice-coil driver. Power handling 250 W cont; FR 20-90 Hz \pm 3 dB; sens 89 dB W/m. Oak, black, or cherry finish. 13 x 25 x 14 in \$799/pr

Sapphire II T1 2-Way Speaker

Hybrid aperiodic 7-in Kevlar-cone woofer and aperiodic inverted-dome tweeter. Lacquered oak, black, or cherry finish with black-knit grille. Power handling 125 W cont; FR 65-20,000 Hz \pm 3 dB; sens 89 dB W/m. 10 x 16 x 10 in \$759/pr

G3 3-Way Speaker

Features aperiodic 10-in woofer, 5-in cone-midrange, 1-in aluminum-dome tweeter. Power handling 200 W cont; FR 36-20,000 Hz, \pm 3 dB; sens 89 dB W/m. Lacquered oak, black, or cherry finish with black grille. 36 x 12 x 12 in \$649/pr

LV Subwoofer

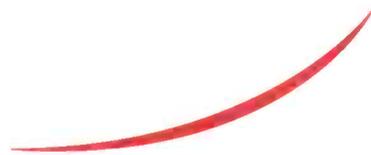
12-in dual-voice-coil subwoofer in aperiodic enclosure. Power handling 150 W/ch max; 100-Hz crossover; FR 35-100 Hz \pm 3 dB; sens 89 dB W/m. Lacquered oak, black, or cherry finish \$325

LV Satellite 2-Way Bookshelf Speaker

5-in woofer and 1-in aluminum-dome tweeter. Power handling 100 W cont; FR 70-22,000 Hz \pm 3 dB; sens 89 dB W/m. Lacquered oak, black, or cherry finish with black grille. 7 x 11 x 10 in \$299/pr

LX 2-Way Speaker

8-in woofer and 1-in textile-dome tweeter. Power handling 100 W cont; FR 65-20,000 Hz \pm 3 dB; sens 89 dB W/m. Textured black or lacquered oak/cherry finish with black grille. 10 x 16 x 8 in \$269/pr



I C O N

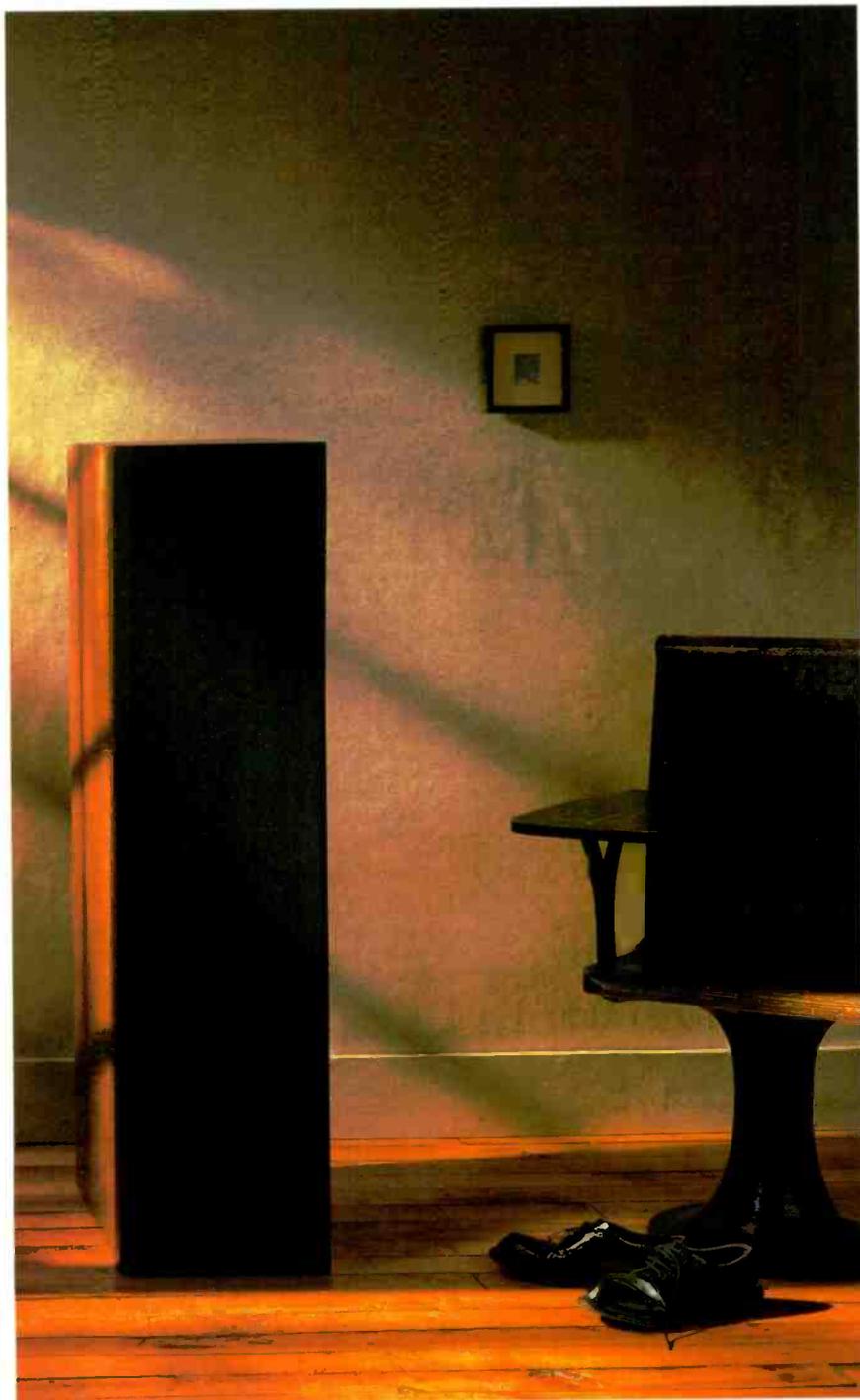
By making our speakers available to you directly from our factory, we can offer them at half the price the same speakers would cost in a store, saving you hundreds of dollars.

Icon speakers are built from the world's finest components. These include metal dome tweeters from Norway, polypropylene woofers from Denmark, audiophile-grade polypropylene capacitors from France, bypassed with our own proprietary polystyrene capacitors made in the U.S., internal wiring from AudioQuest™, and two pair of gold Tiffany binding posts set up for optional bi-wiring.

The 43,200 Minute, No Pressure Audition.

At Icon we give you the chance to audition our speakers in the one place that really matters: your own home. Just call our toll-free number and we'll ship a pair of Icon speakers directly to you via Federal Express®, at our expense. Once you receive your speakers, you'll have 30 days to try them, without a salesman looking over your shoulder, without any pressure, and without risk. If after 30 days you're not happy, just give us a call and we'll send Federal Express® out to retrieve the speakers at your home, again at our expense. It's that simple.

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Shown: The Parsec, \$1,795 per pair, also available, The Lumen, \$795 per pair.



Susan Cuthrie Photography

I C O N A C O U S T I C S I N C

13 FORTUNE DRIVE BILLERICA, MA 01821

AV1 Shielded 2-Way Speaker

Ported design with 5½-in woofer and 1-in dome-tweeter. Power handling 100 W cont; FR 65-20,000 Hz ±3 dB; sens 88 dB W/m. Textured black or lacquered oak/cherry finish with black grille. 7 x 11 x 8 in. \$189/pr

B-Flat In-Wall Speaker

7-in polypropylene woofer and 1-in dome-tweeter. Power handling 70 W cont; FR 60-20,000 Hz ±3 dB; sens 89 dB W/m. White plastic baffle with white metal grille. 8½ x 12 x 3 in. \$129/pr

AUDIO NOTE

Model 3/SP 2-Way Speaker

Ported design with 8-in woofer and 1-in dome tweeter. Features silver wiring. Power handling 200 W; FR 33-19,000 Hz ±1.5 dB; sens 95 dB SPL/W/m; imp 6 ohms; crossover point 2,300 Hz. Oiled walnut, oak, or black finish; black-cloth grille. 43 lb. \$2,495/pr

Model 3/B. As above, no silver wiring. \$1,995/pr

Model 2/SP 2-Way Speaker

Ported design with 8-in woofer and 1-in dome tweeter. Features silver wiring. Power handling 150 W; FR 43-19,000 Hz ±1.5 dB; sens 94 dB SPL/W/m; imp 6 ohms; crossover point 2,300 Hz. Oiled walnut, oak, or black finish; black-cloth grille. 23 x 13 x 10 in; 28 lb. \$1,795/pr

Model 2/B. As above, no silver wiring. \$1,395/pr

Model 1/SP 2-Way Speaker

Acoustic-suspension design with 8-in woofer and 1-in dome tweeter. Features silver wiring. Power handling 150 W; FR 65-18,000 Hz ±1.5 dB; sens 91 dB SPL/W/m; imp 6 ohms; crossover point 2,300 Hz. Oiled walnut, oak, or black finish; black-cloth grille. 18 x 10 x 8 in; 19 lb. \$1,195/pr

Model 1/B. As above, without silver wiring. \$895/pr

AUDIOSOURCE

SW-3.1 Subwoofer/Satellite System

Bass-reflex module with downward-firing 12-in dual-voice-coil woofer and two LS-One satellites (below). Features crossover network. Power handling 150 W; FR 25-160 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 150 Hz. Matte-black finish. \$400

Subwoofer only. \$250

LS-Two/A 2-Way Speaker

Acoustic-suspension design with 5-in polypropylene woofer and 1-in ferrofluid-cooled dome tweeter. Features magnetic shielding. Power handling 50 W; FR 60-20,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms. Black or white cast-aluminum weatherproof enclosure. 5½ x 8½ x 4½ in; 5.5 lb. \$249/pr

Mounting brackets; black or white. \$30/pr

LS-One 2-Way Speaker

Acoustic-suspension design with 4-in polypropylene woofer and 1-in ferrofluid-cooled dome tweeter. Features magnetic shielding. Power handling 40 W; FR 100-20,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms; crossover point 2,500 Hz. Black cast-aluminum enclosure; available in black or white metal weatherproof finishes. 4½ x 7½ x 4½ in; 5.5 lb. \$200/pr

VS-1.1 Surround Speaker System

Pre-packaged system with VS-1 speaker (below), pair of LS Ten/B rear channel speakers, and speaker wire. \$200

VS-Two 2-Way Powered Speaker

Acoustic-suspension design with dual 4-in woofers and 1-in ferrofluid-cooled dome tweeter. Features magnetic shielding. Line and speaker-level inputs. Volume control. 30 W x 1 into 8 ohms; line-level input imp 47 kilohms. FR 70-20,000 Hz; imp 8 ohms; crossover point 5,000 Hz. 5½ x 13¼ x 5½ in; 7 lb. \$160

VS-Three 2-Way Speaker

5¼-in woofer and 1-in ferrofluid cooled tweeter. Magnetic shielding. Black. \$140

VS-1 2-Way Center-Channel Speaker

Ported enclosure with two 4-in woofers and 1-in ferrofluid-cooled dome tweeter. Magnetic shielding. Power handling 50 W; FR 70-20,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. Wood composite with matte-black finish. 5½ x 13¼ x 5½ in; 8.8 lb. \$119

LS-Ten/A 2-Way Speaker

Designed for surround systems's rear channels. 4-in woofer and 1-in tweeter. Optimal balance crossover; magnetic shielding. Mount hook on back. \$100/pr

Surround Speaker Packages

See *Signal Processors section for information on AudioSource surround-sound processors.*

SS3001. Includes SS-Three/II processor, two LS-Ten/A speakers, one VS-One speaker, and cable. \$580

SS4001. As above, with SS Four processor. \$500

SS2001. Includes SS-Two processor, two LS-Ten/A speakers, and cable. \$300

SS1001. As above, with SS-One processor. \$250

In-Wall Speakers

IW-Three 2-Way In-Wall Speaker

8-in woofer and 1-in soft-dome tweeter. Power handling 100 W; sens 92 dB; imp 8 ohms. White finish; paintable metal grille. Mounting depth 3½ in. \$250/pr

RI-Three. Rough-in mounting. \$70/pr

IW-Two 2-Way In-Wall Speaker

6½-in polycarbonate woofer and 1-in soft dome tweeter. Power handling 75 W; sens 90 dB; imp 8 ohms. White finish; paintable metal grille. Mounting depth 3¼ in. \$200/pr

RI-Two. Rough-in mounting kit. \$70/pr

IW-Four In-Wall Subwoofer

8-in woofer with dual voice coils. Power handling 100 W; sens 92 dB; imp 8 ohms; crossover point 120 Hz. Mounting depth 3½ in. \$150

IW-One In-Wall Speaker

5¼-in polycarbonate woofer and ½-in polyimide tweeter. Power handling 75 W; sens 90 dB; imp 8 ohms. White finish with paintable metal grille. Mounting depth 3 in. \$130/pr

RI-One. Rough-in mounting kit. \$50/pr

AUDIOSTATIC

ES-600-RS Electrostatic Speaker System

ES-300-RS speaker and SW-3 electrostatic subwoofer. SW-3: power handling 250 W; FR 25-310 Hz; sens 88 SPL/W/m; imp 8 ohms. 16½ x 75¼ x 2 in; 68.5 lb. \$10,000/pr

ES-900-RS. As above, with two SW-3's. \$15,000/pr

ES-300-RS Electrostatic Speaker

Multi-suspension bipolar design with low mass membrane. 2-in MDF frame. Polypropylene capacitors; gold-plated terminals. Power handling 250 W; FR 25-22,000 Hz; sens 88 dB SPL/W/m; nom imp 8 ohms; bass 35 Hz. Glossy-lacquer finish. 16½ x 75¼ x 2 in; 68.5 lb. \$5,000/pr

ES-100-RS. As above, bass 45 Hz. \$2,895/pr

AUDIRE

Image 1 Ribbon Speaker

Full-range ribbon design with dipolar radiating configuration and line-source array driver arrangement. 9 elements. Power handling 50 W min; FR 30-20,000 Hz; imp 1.9 ohms. Center section covered in black grille cloth with walnut trim. 3-yr warranty. 36 x 72 x 2½ in; 150 lb. \$6,500/pr

Image 2. As above, 6 elements. Power handling 75 W min; FR 35-20,000 Hz; imp 2.8 ohms. 32 x 72 x 2½ in; 125 lb. \$4,500/pr

Image 5. As above, 3 elements. FR 40-20,000 Hz; imp 5.7 ohms. 27 x 72 x 2½ in; 64 lb. \$2,300/pr

Image 4. As above, 2 elements. FR 50-20,000 Hz; imp 3.8 ohms. 24 x 60 x 1¼ in; 50 lb. \$1,500/pr

AUDIX

HRM-3 2-Way Speaker

Two 6½-in cast-frame woofers and one 1-in vented cloth-dome tweeter. Features 32-mm 2-layer voice coils; bead mounting; Neoprene faceplate; fiberglass interlining. Power handling 350 W; FR 47-19,000 Hz ±2 dB; sens 92 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz. Black-sand or oak finish. 12 x 19 x 10 in; 45 lb pr. \$799/pr

HRM-2 2-Way Speaker

Vented design with two 6½-in cast-frame woofers and one 1-in polyimide-dome tweeter. Features 1½-in voice coil; Neoprene faceplate; fiberglass interlining. Power handling 350 W; FR 47-18,000 ±2 dB; sens 94 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz. Black-sand or oak finish. 12 x 19 x 10 in; 45 lb pr. \$649/pr

HRM-1 2-Way Speaker

Vented design with 6½-in cast-frame woofer and 1-in polyimide-dome tweeter. Features 1½-in voice coil; Neoprene faceplate; fiberglass interlining. Power handling 250 W; FR 50-18,000 ±3 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Black-sand or oak finish. 10 x 16 x 7¼ in; 25 lb pr. \$499/pr

PM-5 2-Way Powered Bookshelf Speaker

Vented design with 5-in polypropylene woofer and 1-in polyimide-dome tweeter; 25 W x 2 amplifier. Features vented baffle; acoustic beading; internal acoustic interlining; hand-wired crossover network; gold-plated connectors. Power handling 100 W; FR 50-18,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz. Black sand coat finish. 6 x 9 x 9 in. \$429/pr

MM-5 2-Way Bookshelf Speaker

Vented mirror-image design with 5-in polypropylene woofer and 1-in polyimide dome tweeter. Features vented baffle, acoustic beading; internal acoustic interlining; hand wired crossover network; gold plated terminal connectors. Power handling 100 W; FR 50-18,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz. Black sand coat finish. 6 x 9 x 9 in. \$249/pr

Powered Speakers

PH-6 2-Way Powered Speaker

6½-in woofer and 1-in dome tweeter; 25 W x 2 amplifier. FR 50-22,000 Hz; imp 4 ohms. 6½ x 10¾ x 7 in. \$329/pr

PH-5 2-Way Powered Speaker

5¼-in woofer and 1-in dome tweeter; 25 W x 2 amplifier. FR 55-22,000 Hz; imp 4 ohms. 5½ x 9½ x 6 in. \$289/pr

PH-4 2-Way Powered Speaker

4-in woofer and 1-in dome tweeter; 20 W x 2 amplifier. FR 60-22,000 Hz; imp 4 ohms. 5½ x 8½ x 5 in. \$249/pr

PH-3 2-Way Powered Speaker

3½-in woofer and 1-in dome tweeter; 18 W x 2 amplifier. Includes mounting bracket. FR 65-22,000 Hz; imp 4 ohms. 4½ x 7½ x 4¾ in. \$199/pr

Music Playback Speakers

MS-6 2-Way Speaker

6½-in woofer and 1-in dome tweeter. Mounting hardware available. Power handling 60 W; FR 50-22,000 Hz; imp 4 ohms. 6½ x 10¾ x 7 in. \$229/pr

MS-5 2-Way Speaker

5¼-in woofer and 1-in dome tweeter. Mounting hardware available. Power handling 45 W; FR 55-22,000 Hz; imp 4 ohms. 5½ x 9½ x 6 in. \$189/pr

MS-4 2-Way Speaker

4-in woofer and 1-in dome tweeter. Mounting hardware available. Power handling 25 W; FR 60-22,000 Hz; imp 4 ohms. 5½ x 8½ x 5 in. \$159/pr

S P E A K E R S

MS-3 2-Way Speaker

3½-in woofer and 1-in dome tweeter. Mounting hardware available. Power handling 20 W; FR 65-22,000 Hz; imp 4 ohms. 4½ x 7½ x 4¾ in. \$129/pr

Accessories

Mounting brackets compatible with all PH, MS, and PM series speakers.

MB-1. Features ball-joint system \$40/pr

MB-2. Features ball-joint system; long-throw design \$40/pr

MB-3. Features slotted clamp system \$40/pr

AVALON ACOUSTICS

Ascend MkII 3-Way Speaker

11-in Nomex/Kevlar composite woofer, 2-in aluminum/magnesium-dome midrange, and 1-in titanium-dome tweeter. Power handling 300 W; FR 36-24,000 Hz ± 1.5 dB; imp 6 ohms; sens 88 dB SPL/W/m. 5-year limited warranty. Crossover 12 x 32 x 12 in; 55 lb. 13 x 45 x 18 in; 175 lb. \$15,000/pr

Eclipse 2-Way Speaker

8½-in Nomex/Kevlar composite woofer and 1-in titanium-dome tweeter. Power handling 300 W; FR 45-24,000 Hz ± 1.5 dB; imp 6 ohms; sens 86 dB SPL/W/m. 11 x 39 x 15 in; 95 lb. \$7,200/pr

Eclipse 2-Way Speaker

8-in Nomex/Kevlar composite woofer and 1-in titanium-dome tweeter. Power handling 300 W; FR 45-24,000 Hz ± 1.5 dB; imp 6 ohms; sens 85 dB SPL/W/m. 9 x 34 x 13 in; 60 lb. \$3,950/pr

AVID

Model 232CP 3-Way Speaker

Bass-reflex design with 10-in polypropylene woofer, 4½-in midrange, and 1-in soft-dome tweeter. Ferrofluid-cooled tweeter and midrange. Power handling 150 W cont; FR 40-20,000 Hz -3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 650 and 5,000 Hz. 15 x 28 x 10¾ in. \$600/pr

Model 102CP 2-Way Speaker

Acoustic-suspension design with 10-in polypropylene woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 100 W cont; FR 43-20,000 Hz -3 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. 15 x 25 x 10½ in. \$360/pr

Model 80CP 2-Way Speaker

Acoustic-suspension design with 8-in polypropylene woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 70 W cont; FR 53-20,000 Hz +0, -3 dB; sens 88 dB SPL/W/m; crossover point 3,000 Hz; imp 8 ohms. 12 x 19½ x 8¾ in. \$300/pr

Model 60CP 2-Way Speaker

Acoustic-suspension design with 6½-in woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 60 W cont; FR 70-20,000 Hz +0, -3 dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. 8¾ x 14 x 8 in. \$240/pr

AXIOM

AX 5 3-Way Speaker

10- and 5-in woofers and 1-in dome tweeter. FR 29-22,000 Hz ± 2 dB; sens 87 dB; imp 4 ohms; crossover points 180 and 3,000 Hz. Dark, natural, or black oak finish with black knit grille. 12 x 38 x 15 in; 50 lb. \$1,699/pr

AX Subwoofer

10-in woofer and crossover. FR 29-120 (or 250) Hz ± 3 dB; sens 87 dB; imp 4 ohms; crossover points 120 and 250 Hz. Dark, natural, or black oak finish with black knit grille. 15 x 24 x 12 in; 40 lb. \$1,099/pr

AX 3 3-Way Speaker

8 and 5-in woofers and 1-in dome tweeter. FR 36-22,000 Hz ± 2 dB; sens 88 dB; imp 4 ohms; crossover points 180 and 3,000 Hz. Dark, natural, or black

oak finish with black knit grille. 10 x 34 x 12 in; 33 lb. \$899/pr

AX 1 2-Way Speaker

Tuned-port design with 5-in woofer and 1-in dome tweeter. FR 70-22,000 Hz ± 2 dB; sens 87 dB; imp 4 ohms; crossover point 3,000 Hz. Dark, natural, or black oak finish with black knit grille. 6 x 11 x 6 in; 15 lb. \$599/pr

AX 2 2-Way Speaker

Tuned-port design with 8-in woofer and 1-in dome tweeter. FR 40-22,000 Hz ± 2 dB; sens 89 dB; imp 6 ohms; crossover point 3,200 Hz. Dark, natural, or black oak finish with black knit grille. 12 x 24 x 10 in; 25 lb. \$569/pr

AX 2 2-Way Bookshelf Speaker

Tuned-port design with 8-in woofer and 1-in dome tweeter. FR 43-22,000 Hz ± 2 dB; sens 89 dB; imp 8 ohms; crossover point 3,200 Hz. Dark, natural, or black oak finish with black knit grille. 12 x 20 x 10 in; 22 lb. \$459/pr

AX 1.5 2-Way In-Wall Speaker

6½-in woofer and ¾-in dome tweeter. FR 45-22,000 Hz ± 2 dB; sens 89 dB; imp 6 lb. \$328/pr

AX 1.5 2-Way Speaker

Tuned-port design with 6½-in woofer and ¾-in dome tweeter. FR 45-22,000 Hz ± 2 dB; sens 89 dB; imp 6 ohms; crossover point 3,500 Hz. Dark, natural, or black oak finish with black knit grille. 10 x 20 x 8 in; 18 lb. \$299/pr

AX 1.5 Bookshelf Speaker

Tuned-port design with 6½-in woofer and ¾-in dome tweeter. FR 50-22,000 Hz ± 2 dB; sens 89 dB; imp 6 ohms; crossover point 3,500 Hz. Dark, natural, or black oak finish with black knit grille. 10 x 15 x 8 in; 15 lb. \$199/pr

BAG END

AF1 3-Way Speaker

Ported design with 18-in woofer, 12-in midrange, and horn-tweeter. Biwire/biamp terminals. Power handling 300 W cont; FR 40-19,000 Hz ± 3 dB; sensitivity 103 dB SPL/W/m; impedance 8 ohms; crossover points 125 and 3,300 Hz. Black carpet. 22 x 43 x 18 in; 168 lb. \$2,720/pr

TA15 2-Way Speaker

Ported design with 15-in woofer and horn tweeter. Power handling 200 W cont; FR 50-19,000 Hz ± 3 dB; sens 103 dB SPL/W/m; imp 8 ohms; crossover point 1,700 Hz. Brown birch finish. 22 x 27 x 18 in; 86 lb. \$2,112/pr

TA12 2-Way Speaker

Ported design with 12-in woofer and horn tweeter. Power handling 200 W cont; FR 70-19,000 Hz ± 3 dB; sens 103 dB SPL/W/m; imp 8 ohms; crossover point 3,300 Hz. Oak veneer or brown birch. 18 x 23 x 15 in; 55 lb. \$1,380/pr

TA12-JR 2-Way Bookshelf Speaker

Ported design with 12-in woofer and horn tweeter. Power handling 150 W cont; FR 75-19,000 Hz ± 3 dB; sens 101 dB SPL/W/m; imp 8 ohms; crossover point 3,300 Hz. Oak veneer or brown birch. 14 x 21 x 12 in; 40 lb. \$1,092/pr

ELF Subwoofers

The following feature a patented enclosure design. All are compatible with the ELF-1 equalizer/crossover.

S18E-O. 18-in Kevlar cone woofer with 3-in edge-wound copper voice coil and 6-lb magnet. Power handling 300 W cont (400 W with ELF-1); FR 20-2,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. Oak veneer. Black carpet. 22 x 22 x 18 in; 65 lb. \$688

S18E-C. As above, with black-carpet cabinet. \$598

S18E-I. As S18E-O, with black finish. \$598

D18E-I. As S18E-O, two 18-in woofers. Power handling 800 W with ELF-1; sens 95 dB SPL/W/m; imp 4 ohms. Black finish. 22 x 43 x 18 in; 135 lb. \$1,232

B & W

Matrix 800 3-Way Speaker

Two 11¼-in woofers, two 5-in cone midranges, and one 1¼-in gold dome tweeter. Features modular cabinets with matrix construction. Power handling 800 W; FR 20-20,000 Hz ± 2 dB; sens 93 dB SPL/W/m; imp 4 ohms. 242 lb. \$18,000/pr

Matrix 801 Series 3-Way Speaker

4th-order Butterworth, vented design with 12-in polymer woofer, 5⅝-in Kevlar midrange, and 1-in metal-dome tweeter. Electronic bass-alignment filter. Power handling 600 W; FR 20-20,000 Hz ± 2 dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover points 380 and 3,000 Hz. Walnut or black ash. 17 x 39¾ x 22 in; 119 lb. \$5,500/pr

Matrix 802 Series 2 3-Way Speaker

4th-order Butterworth, vented design with two 8-in polymer woofers, 5-in Kevlar midrange, and 1-in metal-dome tweeter. Electronic-bass alignment filter. Power handling 500 W; FR 27-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 400 and 3,000 Hz. Walnut or black ash. 11¾ x 41 x 14½ in; 70 lb. \$4,000/pr

Matrix 803 3-Way Speaker

Bass-reflex design with 7-in Cobex-cone woofer, 7-in Kevlar bass/midrange, and 1-in ferrofluid-cooled metal-dome tweeter. Bass-alignment filter. Power handling 200 W; FR 28-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. Black-ash or walnut veneer. 11¼ x 40¼ x 13¾ in; 58 lb. \$3,000/pr

Matrix 804 3-Way Speaker

Bass-reflex design with 6½-in Cobex-cone woofer, 6½-in Kevlar bass/midrange, and 1-in ferrofluid-cooled metal-dome tweeter. Bass-alignment filter. Power handling 200 W; FR 31-20,000 Hz ± 2 dB; sens 89 dB SPL/W/m; imp 8 ohms. Black-ash or walnut veneer. 10¼ x 36⅝ x 10¾ in; 43 lb. \$2,200/pr

CM2 Matrix 3-Way Speaker

Butterworth-vented design consisting of column with two 5¼-in woofers and attached satellite with 5-in Kevlar midrange, and 1-in metal-dome tweeter. Overload protection circuit. Power handling 200 W; FR 48-20,000 Hz ± 1.5 dB; sens 85 dB SPL/W/m; imp 4 ohms; crossover point 150 Hz. Black finish. Column: 6⅝ x 39¼ x 8½ in. \$1,900/pr

Matrix 805 2-Way Speaker

Bass-reflex design with 6½-in Kevlar bass/midrange and 1-in ferrofluid-cooled metal-dome tweeter. Bass-alignment filter. Power handling 120 W; FR 45-20,000 Hz ± 2 dB; sens 87 dB SPL/W/m; imp 8 ohms. Black-ash or walnut veneer. 10⅝ x 16⅝ x 8⅞ in; 18.7 lb. \$1,600/pr

CM1 2-Way Bookshelf Speaker

Acoustic suspension design with 5-in Kevlar woofer and 1-in metal-dome tweeter. Features matrix construction. Power handling 120 W; FR 90-20,000 Hz ± 1.5 dB; sens 85 dB SPL/W/m; imp 8 ohms. Black semigloss finish. 6⅝ x 9⅝ x 8¼ in; 11 lb. \$800/pr

Digital Monitor 600 Series

DM 640 3-Way Speaker

Bass-reflex design with two 7¼-in woofers, 6¼-in midrange, and 1-in metal-dome tweeter. Features subenclosure for midrange; biwire/biamp terminals. Power handling 150 W; FR 46-20,000 ± 2 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 300 and 3,000 Hz. Simulated walnut or black veneer. 9¼ x 37⅝ x 15⅞ in; 53 lb. \$1,500/pr

DM 630 2-Way Speaker

Bass-reflex design with two 7¼-in woofers and 1-in metal-dome tweeter. Biwire/biamp terminals. Power

S P E A K E R S

handling 150 W; FR 53-20,000 Hz \pm 2 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 400, 3,000 Hz. Simulated walnut or black veneer. 9 1/4 x 33 1/8 x 15 7/8 in; 42 lb \$1,100/pr

DM 620 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in metal-dome tweeter. Biwire/biamp terminals. Power handling 100 W; FR 58-20,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Walnut or black veneer. 9 1/4 x 29 1/4 x 11 1/8 in; 31 lb \$800/pr

DM 610 2-Way Speaker

2nd-order design with 8-in woofer and 1-in tweeter. Biwire/biamp terminals. Crossover point 2,500 Hz; FR 70-20,000 Hz \pm 2 dB; power handling 150 W. Black veneer. 9 1/4 x 19 1/4 x 11 1/8 in; 17.1 lb \$500/pr

DM 310 2-Way Speaker

Bass-reflex design with 7 3/4-in woofer and 1-in metal-dome tweeter. Biwire/biamp terminals. Power handling 100 W; FR 70-20,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Simulated anthracite, black-ash, or walnut veneer. 10 1/4 x 18 3/4 x 8 3/4 in; 16 lb \$500/pr

DM 600 2-Way speaker

2nd-order design with 6 1/2-in woofer and 1-in metal-dome tweeter. Biwire/biamp terminals. Crossover point 2,500 Hz; FR 80-20,000 Hz \pm 2 dB; power handling 150 W. Zaida finish. 8 x 13 3/4 x 11 7/8 in; 9.7 lb \$350/pr

In-Wall Speakers

CWM 8 2-Way In-Wall Speaker

Acoustic-suspension design with 8 3/4-in polypropylene woofer and 1-in metal-dome tweeter. Power handling 100 W; FR 35-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 4 ohms. 10 3/4 x 14 1/8 x 3 3/8 in \$600/pr

CWM 6 2-Way In-Wall Speaker

Acoustic-suspension design with 7-in polypropylene woofer and 1-in metal-dome tweeter. Power handling 70 W; FR 45-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 6 ohms. 9 x 12 1/2 x 3 in \$400/pr

200 Series

V202 2-Way Speaker

Bass-reflex design with 7 3/4-in woofer and 1-in tweeter. Power handling 120 W; FR 48-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 6 ohms. Simulated black-ash or walnut veneer. 9 1/2 x 19 1/2 x 8 3/4 in; 12.5 lb \$300/pr

V201 2-Way Speaker

Bass-reflex design with 6 1/2-in woofer and 1-in tweeter. Power handling 100 W; FR 66-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 6 ohms. Simulated black-ash or walnut veneer. 8 1/4 x 14 x 7 1/2 in; 9 lb \$200/pr

BANG & OLUFSEN

Beovox Penta 3-Way Speaker

5-sided bass-reflex design with four 5-in woofers, four 3-in midranges, and 1-in dome tweeter. Power handling 150 W rms; imp 8 ohms; FR 40-20,000 Hz +4, -8 dB; sens 92 dB SPL/W/m; crossover points 700 and 5,000 Hz. Brushed stainless-steel finish with black grille. 5 x 59 x 5 3/8 in; 37 lb \$2,400/pr

Powered Speakers

Beolab Penta III 3-Way Powered Speaker

5-sided bass-reflex enclosure with four 5-in woofers, four 3-in midranges, 1-in dome tweeter, and 150-W amplifier. Features dynamic clipping attenuator; 3-position bass-level switch; auto turn on/off with Beo-system 5500; source, volume, recording-status, and overload displays. Power handling 150 W rms; FR 40-20,000 Hz +4, -8 dB; sens 92 dB SPL/W/m; crossover points 700 and 5,000 Hz; imp 8 ohms. Amp: THD 0.015%; SN 100 dBA at full power. Brushed stain-

less-steel finish with black grille. 5 x 65 x 5 3/8 in; 53 lb \$3,500/pr

Beolab 8000 3-Way Powered Speaker

Bass-reflex system with two 4-in woofers, one 3/4-in ferrofluid-cooled tweeter, and two integral 80 W x 2 amplifiers. Features conically tipped tubular-aluminum cabinet; active crossover with 24-dB/oct Linkwitz-Riley filter at 4,200 Hz for upper woofer. 6-dB/oct at 300 Hz for lower woofer; magnetic shielding; cast-iron base. 8-pin Power Link socket; line-level input. Includes rubber supports and spikes for base. FR 50-20,000 Hz \pm 2 dB; SN 98 dBA. Polished and anodized mirror-finished surface with matte-black Lycra grille. 6 x 52 x 6 in; 44 lb \$3,000/pr

Beolab 5000 2-Way Powered Speaker

Bass-reflex design with two 5-in woofers, one 1-in dome tweeter, and 55-W amplifier. Designed for wall hanging. Features auto bass-level switching; auto turn on/off with Beolink system; source, volume, and recording-status displays. Power handling 60 W rms; FR 60-20,000 Hz +4, -8 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. Amp: FR 20-20,000 Hz; THD 0.1%; SN 97 dBA. Brushed stainless steel with blue or gray grille cloth. 17 3/4 x 39 3/4 x 3 in; 33.5 lb \$2,100/pr

RL Series

The following feature a curved enclosure and are available in high-gloss black or white with a gray or black grille.

RL 7000 3-Way Speaker

Bass-reflex design with two 6 1/2-in woofers, 5-in mid-range, and 1-in dome tweeter. Power handling 140 W rms; FR 40-20,000 Hz +4, -8 dB; sens 93 dB SPL/W/m; imp 8 ohms; crossover points 800 and 3,000 Hz. 28 x 20 x 9 1/2 in; 33 lb \$1,000/pr
Floor stands \$150/pr
Swivel brackets \$55/pr

RL 6000 2-Way Speaker

Bass-reflex design with two 5-in woofers and 1-in dome tweeter. Power handling 60 W rms; FR 45-20,000 Hz +4, -8 dB; sens 93 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. 21 1/4 x 16 x 7 in; 19.6 lb \$600/pr
Floor stands \$130/pr
Swivel brackets \$45/pr

RL 1000 2-Way Bookshelf Speaker

Bass-reflex design with 5-in woofer and 1 1/4-in tweeter. Power handling 35 W rms; FR 48-20,000 Hz +4, -8 dB; imp 8 ohms; sens 92 dB SPL/W/m; crossover point 3,500 Hz. 15 3/4 x 12 1/2 x 5 in; 7.8 lb \$400/pr

In-Wall Speakers

IWS 2000 In-Wall Speaker

Sealed-box design with 5 1/4-in woofer and 1-in polycarbonate-dome tweeter. Features mounting space for B&O's Master Control Link transceiver and relay box; magnetic grille attachment; Beolink 7000 or 5000 remote compatibility. Power handling 100 W rms; FR 50-20,000 Hz +3, -8 dB; sens 89 dB SPL/W/m; crossover point 2,500 Hz. 14 1/2 x 8 x 3 1/4 in; 5.2 lb \$500/pr
With paintable grille and transceiver/relay box installed \$650/pr

IWS 1000. As above, infinite-baffle design. FR 55-20,000 Hz +3, -8 dB. 11 1/4 x 8 x 3 1/4 in; 5 lb \$400/pr

Compact Series

Beovox CX100 Bookshelf Speaker

Pressure-chamber design with two 4-in woofers and 1-in dome tweeter. Power handling 100 W rms; sens 89 dB SPL/W/m; imp 6 ohms; FR 50-20,000 Hz +4, -8 dB; crossover point 2,500 Hz. Aluminum, black, white, or gray finish. 4 3/4 x 12 3/8 x 8 in; 11 lb \$450/pr
Beovox CX50. As above, one 4-in woofer. Power handling 50 W rms; sens 89 dB SPL/W/m; imp 6 ohms; FR 80-20,000 Hz +4, -8 dB. 4 3/4 x 8 x 8 in; 7.7 lb \$350/pr

Beovox Cona Subwoofer

Bass-reflex design with 8-in dual-voice-coil woofer. Power handling 60 W rms; sens 89 dB SPL/W/m; FR 40-195 Hz +4, -8 dB; crossover point 195 Hz; imp 6 ohms. White, black, or gray finish. 10 1/2 (height) x 17 (diameter) in; 16.5 lb \$425

BLAKESLEE RESEARCH

AA7 Extended Point Source 2-Way Speaker

Wall-mount design featuring 6 1/2-in polypropylene woofer-midrange with cast magnesium frame and 22.5 oz magnet; 1-in cloth-dome tweeter with Neodymium-iron-boron magnet and ferrofluid cooling mounted inside the voice coil. Patented alignment port tuning; air core inductors; polypropylene capacitors; self-resetting tweeter burnout protection; phase-coherent, 6-dB/oct crossover; all connections soldered. FR 27-22,000 Hz \pm 10 dB; imp 8 ohms; sens 86 dB SPL/W/m; power handling 120 W max. 3 x 29 1/2 x 22 1/2 in; 27 lb \$750/pr
As above, with slip-on framed-art print cover \$990
AA14. As above, in lower configuration. 6 x 39 x 8 in \$700/pr

BMB

CS-250V II 2-Way Bookshelf Speaker

Bass-reflex design with 8-in woofer and two 3-in tweeters. Magnetic shielding. Power handling 250 W max; FR 45-20,000 Hz; sens 89 dB W/m; crossover point 2,000 Hz; imp 8 ohms \$669/pr

BOSE

Most Bose speakers carry a 5-year transferable warranty. Lifestyle systems and RoomMate speakers carry a 1-year transferable warranty.

Lifestyle Powered Speaker

4 1/2-in helical-voice-coil driver. Features built-in power amp; electronic eq; overload protection circuitry. Volume control. White finish. 9 x 6 x 6 in \$339

01 Series

Except for Model 101, the following feature Bose's patented Direct/Reflecting design.

Model 901 Series VI Speaker

8 front-facing, 1 rear-facing 4 1/2-inch helical-voice-coil full-range drivers. Pentagon-shaped cabinet. Features active EQ module with midbass, midtreble, and tape-monitor controls. Imp 8 ohms. Genuine hardwood veneer with walnut finish. 5-yr warranty. Equalizer: 13 x 2 3/4 x 4 3/8 in; 3.4 lb. Speaker: 12 5/8 x 21 x 13 in; 35 lb \$1,499/pr

Model 601 Series III 2-Way Speaker

Slotted-port design with two 8-in cone woofers and four 3-in cone tweeters in patented Free Space array configuration. Features woofer protection circuitry. Power handling 200 W max; imp 8 ohms. Genuine hardwood veneer with walnut finish. 12 1/4 x 30 x 12 1/2 in; 45 lb \$999/pr

Model 501 Series IV 2-Way Speaker

10-in woofer and two 3-in tweeters in patented Free Space array configuration. Features dual-frequency crossover network; overdrive protection circuitry. Power handling 125 W rms; imp 8 ohms; crossover points 1,500 and 2,500 Hz. Wood-grain-vinyl finish. 5-yr warranty. 16 x 25 x 14 in; 40 lb \$699/pr

Model 401 2-Way Speaker

Ported design with two 6-in woofers and 2-in liquid-cooled tweeter in patented Free Space array configuration. Features pentagon-shaped cabinet; overdrive protection circuitry. Power handling 100 W max; imp 4 ohms; crossover point 2,200 Hz. Wood-grain-vinyl finish. 5-yr warranty. 12 x 30 x 12 in; 32 lb \$599/pr

Model 301 Series III 2-Way Bookshelf Speaker

Slotted-port design with 8-in woofer and two 3-in tweeters in patented Free Space array configuration.

Existing Speaker Technology Wasn't Good Enough.

Redefining speaker design was the job at hand for Camber.

That's the concept behind the Ti Series, the Laser Series, and the SC Series by Camber. Long respected for many industry firsts, Camber set out to create a line of loudspeakers that would offer unprecedented performance at affordable prices. To achieve this goal, Camber relied heavily on technology acquired through years of research at Canada's famous National Research Council and upon experience gained designing and building Studio Monitors for the Canadian Broadcasting Corporation.



- One of the most innovative consumer electronics products of 1992, the Camber 3.5 ti was selected for The 1992 International Summer Consumer Electronics Show's® Innovations '92 Award.
- Critic's Choice Award from Sound & Vision Magazine in recognition of the Camber 1.0 ti, Camber Laser 7 as well as the Camber 3.5 ti for Technical Excellence and Exceptional Value.
- The Canadian Broadcasting Corporation selected the Camber 3.5 ti as its official Studio Monitor for use in its studios around the world.
- Canadian Consumers Magazine rated Camber 1.0 ti Best Buy in the under \$500 per pair category.

For more information please write to Camber at :

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CAMBER USA 244-20 38th Avenue, Bellrose, NY 11426 (718) 343-3231 • (718) 343-3231 FAX



S P E A K E R S

Camber LS5 2-Way Speaker

Bass-reflex design with 8-in woofer and 3/4-in ferrofluid-damped titanium-dome tweeter. Power handling 150 W cont avg; FR 50-22,000 Hz \pm 2 dB; sens 91 dB SPL/W/m; imp 8 ohms. 9 x 19 x 10 in; 22 lb \$399/pr

Camber LS1. As above, acoustic-suspension design with 6 1/2-in woofer and 1/2-in tweeter. Power handling 100 W cont avg; FR 60-20,000 Hz \pm 2 dB; sens 89 dB SPL/W/m. 9 x 11 3/4 x 7 3/4 in; 15 lb \$269/pr

Camber LS3. As above, bass-reflex design. FR 50-20,000 Hz \pm 2 dB; sens 90 dB SPL/W/m. 8 x 16 x 9 1/4 in; 17.6 lb \$249/pr

SC Series

Camber SC 900 2-Way Speaker

Acoustic-suspension design with two 6 1/2-in woofers and 3/4-in ferrofluid-damped titanium-dome tweeter. Power handling 200 W cont avg; FR 40-22,000 Hz \pm 2 dB; sens 91 dB SPL/W/m; imp 8 ohms. 11 1/2 x 36 1/2 x 7 3/4 in; 50 lb \$699/pr

Camber SC 700. As above, bass-reflex design with one 8-in woofer. Power handling 150 W cont avg; sens 90 dB SPL/W/m. 11 x 24 x 10 in; 35 lb \$499/pr

Camber SC 300. As above, one 6 1/2-in woofer. Power handling 100 W cont avg; FR 50-20,000 Hz \pm 2 dB; sens 89 dB SPL/W/m. 9 x 16 x 8 in \$249/pr

CAMBRIDGE PHYSICS

The following feature a 5-year parts-and-labor warranty and an oak finish.

G-66 II 3-Way Speaker

Two 8-in polycone woofers, 3-in dome midrange, and 1-in ferrofluid-cooled dome tweeter. 24-dB/oct crossover. FR 26-22,500 Hz; sens 92.5 dB; crossover points 450 and 4,000 Hz. 18 x 44 x 12 in; 90 lb \$1,000

G-33 II 2-Way Speaker

10- and 8-in polycone woofers, 1-in ferrofluid-cooled dome tweeter. 18-dB/oct crossover. FR 36-22,500 Hz; sens 91 dB; imp 6 ohms; crossover point 1,500 Hz. 16 x 29 1/2 x 9 in; 34 lb \$525/pr

G-11 II 2-Way Speaker

8-in polycone woofer, 1-in ferrofluid-cooled dome tweeter. 12-dB/oct crossover. Power handling 100 W cont; FR 44-22,500 Hz; sens 90 dB; imp 6 ohms; crossover point 1,500 Hz. 12 x 19 1/2 x 8 1/2 in; 20 lb \$400/pr

G-7 II 2-Way Speaker

6 1/2-in polycone woofer, 3/4-in ferrofluid-cooled metal-dome tweeter. 12-dB/oct crossover. Power handling 60 W cont; sens 90 dB; imp 6 ohms; crossover point 2,500 Hz. 12 x 16 x 6 in; 15 lb \$300/pr

K-5 II 2-Way Speaker

5 1/4-in woofer, 3/4-in dome tweeter. 12-dB/oct crossover. Power handling 75 W; sens 88 dB/m; crossover point 4,200 Hz. 8 x 11 x 6 in \$249/pr

CAMBRIDGE SOUNDWORKS

The following products are designed by Henry Kloss and are available only through mail order.

Model Eleven Powered Speaker System

Transportable, 3-way powered component system featuring woofer, 2 satellites, and 3-channel 36-W integrated amplifier. Carrying case acts as subwoofer cabinet when empty and closed. 12-volt car/lighter adaptor included. Optional rechargeable 3- and 6-hr batteries \$749

Model Eleven Stationary. As above, stationary version \$649
3-hr rechargeable batteries \$69
6-hr rechargeable batteries \$99

Ensemble Subwoofer/Satellite System

2 bass modules and 2 satellites. Each satellite features 3 1/2-in ferrofluid-cooled cone midrange (170 Hz to 2,300 Hz), and 1 3/4-in direct radiator with an inte-

gral 3/8-in ferrofluid-cooled dome tweeter (2,300 Hz to 20,000 Hz). Each bass module features 8-in woofer, high-density-particleboard cabinet with internal bracing, metal grilles and black laminate finish. Nom Imp 6 ohms; power handling 200 W. Black laminate cabinets. Subwoofer: 12 x 21 x 4 1/2 in. Satellite: 8 3/8 x 5 1/4 x 4 in \$599
With vinyl-clad cabinets \$499
Ensemble II. As above, 1 subwoofer \$399

The Powered Subwoofer System

Acoustic-suspension design with 12-in woofer, 140-W amp, and adjustable active crossover. Features bass-level control, 4-position crossover frequency selector. Power handling 140 W max; 18-dB/oct crossover slope. 15 1/2 x 26 1/2 x 9 1/2 in \$599
Slave Subwoofer. As above, no amp controls. When used with above, power handling is 200 W max \$299

The Surround Speaker System

4-in woofer with two 3-in midrange/tweeters mounted in dipole fashion. Power handling 100 W cont avg; FR 125-10,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. Gray finish or primed for painting \$399/pr

The Surround II Speaker System. As above, power handling 60 W. 4 3/4 x 6 3/4 x 4 1/2 in \$249/pr

Ambiance 2-Way Speaker

Acoustic-suspension design with 6 1/2-in woofer and 1-in ferrofluid-cooled tweeter. Crossover point 1,800 Hz; sens 83 dB SPL/W/m; nom imp 8 ohms. Available in Nextel, solid oak, or primed for painting \$175
Solid oak finish \$200

Center Channel 2-Way Speaker

Acoustic-suspension design with 5 1/4-in woofer and integral dome tweeter. Power handling 60 W cont avg; FR 125-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. 6 1/2 x 10 1/2 x 3 3/4 in \$125
Center Channel Plus. As above, power handling 100 W cont avg. 25 x 6 1/2 x 6 in \$199

Model Ten 2-Way Speaker

3-in midbass/midrange, 3/4-in copolymer-dome tweeter, compact satellite design. 10-element crossover network. Imp 4 ohms. 4 1/2 x 6 1/2 x 3 in \$75

CANTON

The following carry a 5-year parts-and-labor limited warranty and a 2-year electronics warranty for powered models.

Floor-Standing Speakers

Ergo 120 4-Way Speaker

Bass-reflex design with two 10-in graphite-reinforced polypropylene woofers, 6 1/2-in midbass, 2-in midrange, and 1-in aluminum/manganese-dome tweeter. Power handling 200 W nom; FR 18-30,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover points 300, 3,500, and 7,000 Hz. Gloss mahogany, gloss black or white, and custom finishes. 12 3/8 x 5 1/4 x 16 7/8 in; 110 lb \$7,000/pr
Oak, walnut, mahogany, black, or white \$5,000/pr

Ergo 100 3-Way Speaker

Bass-reflex design with two 9-in graphite-reinforced polypropylene woofers, 6 1/2-in midbass, and 1-in aluminum/manganese-dome tweeter. Power handling 180 W nom; FR 18-30,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover points 300 and 3,500 Hz. Gloss mahogany, gloss black or white, and custom finishes. 11 x 45 3/8 x 13 3/4 in; 79 lb \$5,000/pr
Oak, walnut, mahogany, black, or white \$3,500/pr
Ergo 90. As above, two 8-inch woofers. Power handling 150 W nom; FR 20-30,000 Hz; sens 88 dB SPL/W/m. Gloss mahogany, gloss black or white, and custom finishes. 10 x 41 3/8 x 12 1/8 in; 50 lb \$4,000/pr
Oak, walnut, mahogany, black, or white \$2,500/pr
Ergo 80. As above, one 8-in woofer without graphite/polypropylene material and 8-in midrange. Power handling 120 W nom; FR 22-30,000 Hz. Gloss mahogany, gloss black or white, and custom finishes.

9 1/2 x 37 1/2 x 10 1/2 in; 42 lb \$3,500/pr
Oak, walnut, mahogany, black, or white \$2,000/pr
Ergo 70. As above, 6-in woofer and 6-in midrange. Power handling 90 W nom; frequency response 28-30,000 Hz; sens 87 dB SPL/W/m. Gloss mahogany, gloss black or white, and custom finishes. 10 x 41 3/8 x 12 1/8 in; 38 lb \$2,500/pr
Oak, walnut, mahogany, black, or white \$1,500/pr

Fonum 701 3-Way Speaker

Bass-reflex design with two 8-in woofers, 6-in polypropylene midrange, and 1-in aluminum/manganese-dome tweeter. Power handling 140 W nom; FR 20-30,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover points 300 and 3,500 Hz. Black textured vinyl finish. 9 3/4 x 39 1/2 x 12 1/4 in; 49 lb \$1,495/pr

Fonum 601 3-Way Speaker

Bass-reflex design with 8-in woofer, 8-in fabric-dome midrange, and 1-in fabric-dome tweeter. Power handling 100 W nom; FR 25-26,000 Hz; imp 4 ohms; crossover points 300 and 3,000 Hz. Black textured vinyl. 9 1/2 x 35 1/2 x 10 3/8 in \$995/pr

Fonum 501 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in fabric-dome tweeter. Power handling 80 W nom; FR 30-26,000 Hz; imp 4 ohms; crossover point 3,200 Hz. Black textured vinyl. 9 1/2 x 31 1/2 x 10 3/8 in \$795/pr

Bookshelf Speakers

The Karat Series features veneers and special finishes, such as piano lacquer.

Karat 980 3-Way Speaker

Bass-reflex design with 12-in woofer, 5-in midrange, and 1-in aluminum manganese-dome tweeter. Power handling 140 W nom; FR 20-30,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover points 400 and 4,000 Hz. Oak, walnut, mahogany, black, or white finishes. 14 1/4 x 26 x 12 5/8 in; 46 lb \$2,000/pr

Karat 960. As above, 10-in woofer. Power handling 120 W nom; FR 24-30,000 Hz; sens 88 dB SPL/W/m; crossover points 450 and 3,500 Hz. 12 1/4 x 22 7/8 x 12 1/4 in; 35 lb \$1,500/pr

Karat 940. As above, 9-in woofer. Power handling 100 W nom; FR 26-30,000 Hz. 10 5/8 x 20 1/8 x 10 5/8 in; 29 lb \$1,250/pr

FG-200 Speaker Stands. Wooden angled stands for Karat 980. Black or white \$250/pr

Karat 930 2-Way Speaker

Bass-reflex design with 9-in woofer and 1-in aluminum/manganese-dome tweeter. Power handling 80 W nom; FR 30-30,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms; crossover point 2,800 Hz. Oak, walnut, mahogany, black, or white finish. 10 1/4 x 17 x 10 1/4 in; 22 lb \$1,000/pr

Karat 920. As above, 8-in woofer. Power handling 60 W cont avg; FR 36-30,000 Hz. 8 3/4 x 13 1/2 x 10 1/4 in; 12 lb \$750/pr

LF-70 Speaker Stands. Wooden pedestals for Karat 920 or 930. Black or white \$250/pr

Fonum 401 2-Way Speaker

Bass-reflex design with 9-in woofer, 1-in fabric-dome midrange, and 3/4-in fabric-dome tweeter. Power handling 70 W nom; FR 35-26,000 Hz; imp 4 ohms; crossover point 3,000 Hz. Black textured vinyl finish. 10 1/2 x 16 1/2 x 9 7/8 in \$595/pr

Fonum 301. As above, 8-in woofer. Power handling 60 W; FR 38-26,000 Hz. 9 3/8 x 14 1/4 x 8 3/4 in \$495/pr
Fonum 251. As above, 6-in woofer. Power handling 50 W nom; FR 42-26,000 Hz; crossover point 3,200 Hz. 7 3/4 x 11 7/8 x 8 in \$395/pr

Subwoofers

Plus Beta Powered Subwoofer

Bass module with 12-in woofer and 3 channel amps with 2 channels for satellites. Features signal-correction circuitry; thermal overload and short-circuit protection. Terminals and switching for 4 satellites. Bass-level control; adjustable crossover and input sens; auto on/off. 100 W x 1 + 80 x 2 cont avg. FR 20-

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Paradigm

S P E A K E R S

30,000 Hz; THD 0.1%; crossover points 70, 90, or 140 Hz with 12/24-dB/oct slope. Walnut, black, or white finish. 13 1/2 x 15 1/4 x 15 in; 43 lb \$2,000

Plus Alpha 1 Powered Subwoofer

12-in driver and 100-W amp. Features signal pass-thru for daisy chaining other subwoofers. Adjustable 60-120 Hz crossover; bass-level control; auto-on. Walnut, black, or white finish. 13 1/2 x 15 1/4 x 15 1/4 in; 42 lb \$1,000

Plus E Subwoofer

Bass-reflex design with 12-in driver. Power handling 100 W nom; FR 18-120 Hz; sens 90 dB SPL/W/m; imp 4 ohms; crossover point 120 Hz with 12-dB/oct slope. Gloss mahogany, gloss black, white, or custom finish. 14 1/4 x 22 x 14 1/4 in; 43 lb \$1,500
Oak, walnut, mahogany, black, or white \$1,000

Plus C Subwoofer

12-in driver. Power handling 70 W nom; FR 22-120 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover point 120 Hz. Walnut, black, or white finish. 13 1/2 x 14 1/4 x 13 7/8 in; 26 lb \$600

Subwoofer/Satellite Systems

Super Set Subwoofer/Satellite System

Includes 1 Plus E subwoofer and 2 Karat 920's. Oak, walnut, mahogany, black, or white finish \$1,495

Combi-Sub Subwoofer/Satellite System

Bass module with two 8-in woofers and two satellites, each with one 4 1/2-in midrange and one 1-in aluminum/manganese tweeter. Power handling 80 W nom for both subwoofer and satellites; FR 20-30,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover points 120 and 2,200 Hz with 12-dB/oct slope. Black or white finish. Subwoofer: 19 3/4 x 9 x 15 3/4 in; 34 lb. Satellites: 4 3/4 x 8 x 4 3/8 in; 5 lb \$995

Plus Set Subwoofer/Satellite System

Includes 1 Plus C subwoofer and 2 Plus S mini-speakers. Walnut finish \$995
Black or white finish \$895

In-Wall Speakers

In-Wall D 2-Way Speaker

Plus D mini speaker in metal frame. Flush-mount design for 2 x 8-in joist ceiling mounting. White finish. 8 x 12 3/4 x 7 in \$650/pr

In-Wall P 2-Way Speaker

Patio 160 mini speaker in metal frame. Flush-mount design for 2 x 6-in stud wall or joist ceiling mounting. White finish. 8 x 12 3/4 x 4 1/2 in \$600/pr

In-Wall 9 2-Way Speaker

Coaxial design with 9-in woofer and 1-in aluminum/manganese-dome tweeter. Power handling 70 W nom; FR 34-22,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. White grille. 10 3/8 x 3 3/8 in; mounting depth 3 7/8 in. 4.8 lb \$600/pr
Brass or chrome grille \$650/pr

MudRing 9/24. Construction bracket for In-Wall 9 on 24-in centers \$70/pr

MudRing 9/16. As above, for 16-in centers \$60/pr

In-Wall F 2-Way Speaker

Plus F mini-speaker in metal frame. Flush-mount design for 2 x 4-in stud wall mounting. White finish. 8 x 12 3/4 x 2 5/8 in \$500/pr

Mudring FDP/24. Construction bracket for In-Wall F, D, and P on 24-in centers \$60/pr

Mudring FDP/16. As above, for 16-in centers \$50/pr

In-Wall 6 2-Way Speaker

Coaxial design with 6-in woofer and 5/8-in aluminum/manganese-dome tweeter. Power handling 40 W nom; FR 45-22,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. White grille. 8 x 8 in; mounting depth 3 7/8 in. 3.4 lb \$450/pr
Brass or chrome grille \$500/pr

MudRing 6/24. Construction bracket for In-Wall 6 on

24-in centers \$60/pr
MudRing 6/16. As above, for 16-in centers \$50/pr

Mini Speakers

Patio 160 2-Way Indoor/Outdoor Mini Speaker

Weather-resistant design with 6 1/2-in woofer and 1-in aluminum-manganese dome tweeter. Power handling 50 W nom; FR 42-30,000 Hz; sens 86 dB SPL/W/m; imp 4 ohms; crossover point 2,900 Hz. Black or white finishes. 7 1/8 x 10 7/8 x 4 3/4 in; 15 lb \$500/pr

Plus D 2-Way Mini Speaker

Bass-reflex design with 6 1/2-in woofer and 1-in coated-fabric dome tweeter. Power handling 50 W nom; FR 41-30,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover point 2,500 Hz. Black or white finish. 7 1/8 x 10 7/8 x 7 1/8 in; 9 lb \$500/pr

Plus F 2-Way Mini Speaker

Features 4 1/2-in woofer and 1-in coated-fabric dome tweeter. Power handling 45 W nom; FR 48-30,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms; crossover point 2,500 Hz. Black or white finish. 7 1/8 x 10 7/8 x 2 7/8 in; 5 lb \$400/pr

Plus S 2-Way Mini Speaker

Features 4 1/2-in woofer and 1-in coated-fabric dome tweeter. Power handling 40 W nom; FR 45-30,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms; crossover point 2,200 Hz. Black or white finish. 4 3/4 x 8 x 4 3/8 in; 5 lb \$350/pr
Walnut finish \$500/pr

Cantamount HD. Heavy-duty swivel-ball mounting bracket for wall or ceiling mount. For Patio 160, Plus D, F, and S minis. Metal, black or white \$100/pr
Cantamount II. As above, without heavy duty design \$50/pr

HC 100 2-Way Mini Speaker

4 3/8-in cone woofer, 1-in dome tweeter. Power handling 35 W nom; FR 48-30,000 Hz; sens 87.2 dB SPL/W/m; imp 4 ohms. Black or white finish. 4 3/4 x 7 1/2 x 5 3/4 in; 4 lb \$295/pr

CARRERA

CSP-230 Subwoofer/Satellite System

Subwoofer with 8-in driver, and 2 magnetically-shielded satellites, each with 3 1/2-in woofer and 2-in tweeter. Satellite: power handling 75 W; FR 140-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. 4 3/8 x 8 1/4 x 4 1/2 in; 2 5/8 lb. Subwoofer: power handling 125 W; FR 28-150 Hz. 5 3/8 x 12 3/4 x 10 1/8 in; 15.2 lb \$400

CARVER

The Amazing Loudspeaker, Platinum Edition

1 1/2-in-thick planar design with 60-in full-range ribbon panel and four 12-in woofers. Power handling 750 W; frequency response 23-40,000 Hz \pm 3 dB; sens 89 dB; max SPL 121 dBA. Black piano finish. 33 x 66 x 10 in; 110 lb \$2,900/pr
Oiled oak-veneer finish \$2,500/pr

The Amazing Loudspeaker, Silver Edition

1 1/2-in-thick planar design with 48-in full-range ribbon panel and three 12-in woofers. Power handling 600 W; frequency response 23-40,000 Hz \pm 3 dB; sens 89 dB; max SPL 119 dBA. Black piano finish. 28 x 54 x 10 in; 75 lb \$2,400/pr
Oiled oak-veneer finish \$2,000/pr

AL-III 2-Way Speaker

48-in full-range ribbon panel and 10-in woofer. Features separate low-frequency, midrange, and high-frequency controls. Power handling 400 W; FR 34-20,000 Hz \pm 3 dB; crossover point 200 Hz. Hand-matched solid-oak panels. 14 1/2 x 72 1/2 x 16 1/2 in \$1,500/pr

TS-S20 Satellite Speaker

Designed for rear channels in surround systems. Angular high-density wood cabinets \$195/pr

Subwoofer/Satellite Systems

TS-P80 Subwoofer/Satellite System

2 satellites and 1 subwoofer/center-channel module. Subwoofer/center-channel module functions as riser for projection tv's up to 50 in. Features cast-aluminum satellite enclosures with integrated cast-aluminum speaker baskets. Power handling 375 W; FR 32-20,000 Hz; sens 90 dB \$1,000
TS-D60. As above, subwoofer/center-channel module with swivel base for 32-in tv's \$1,000

TS-S30 Subwoofer/Satellite System

2 satellites and subwoofer. Features cast-aluminum satellite enclosures with integrated cast-aluminum speaker baskets. Power handling 225 W; FR 46-20,000 Hz; sens 89 dB. Black satellites with oak subwoofer \$800
Black satellites and subwoofer \$650

CASTLE

Winchester 2-Way Speaker

Folded-horn design with two 6-in woofers and 1-in dome tweeter. Power handling 30 W min; FR 35-22,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Wood-veneer finish. 10 x 43 x 17; 80 lb \$2,800/pr

York 2-Way Speaker

Twin-port bass-reflex design with 6-in woofer and 1-in soft-dome tweeter. Power handling 300 W max. FR 50-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,300 Hz. Wood-veneer finish. 17 x 9 x 10 in; 16 lb \$799/pr

Durham 2-Way Bookshelf Speaker

Bass-reflex design with 6-in woofer and 1-in dome tweeter. Power handling 15 W min; FR 60-22,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Wood-veneer finish with black-foam grille. 9 x 16 x 9 in; 16.5 lb \$550/pr

Warwick 2-Way Bookshelf Speaker

Bass-reflex design with 6-in woofer and 1-in dome tweeter. Power handling 10 W min; FR 55-22,000 Hz; sens 89 dB SPL/W/m; imp 8/6 ohms; crossover point 3,000 Hz. Wood-veneer finish with black-foam grille. 10 x 18 x 10 in; 17 lb \$450/pr

Trent 2-Way Bookshelf Speaker

Bass-reflex design with 5-in woofer and 1-in dome tweeter. Power handling 10 W min; FR 70-22,000 Hz; sens 89 dB SPL/W/m; imp 8/6 ohms; crossover point 3,000 Hz. Wood-veneer finish with black-foam grille. 7 x 13 x 8 in; 8.5 lb \$350/pr

CDE

Colossus 4-Way Speaker

Infinite-baffle ported design two 8-in and six 10-in woofers, 6 1/2-in cone midrange, and 1-in dome tweeter. FR 15-32,000 Hz; sens 91 dB SPL/W/m; power handling 50 W cont avg. Black-lacquer finish and black-knit grille \$55,000

Reference 3-Way Speaker

Infinite-baffle ported design with two 10-in woofers, two 6 1/2-in cone midranges, and 1-in dome tweeter. FR 20-32,000 Hz; sens 90 dB SPL/W/m; power handling 50 W cont avg. Black-lacquer finish and black-knit grille \$35,000

Mini Tower 3-Way Speaker

Infinite-baffle ported design with 8-in woofer, 6 1/2-in cone midrange, and 1-in dome tweeter. FR 22-32,000 Hz; sens 91 dB SPL/W/m; power handling 40 W cont avg. Black-lacquer finish and knit grille \$5,200

Tower 1 3-Way Speaker

Passive radiator with 8-in woofer, 6 1/2-in cone midrange, and 1-in dome tweeter. FR 40-20,000 Hz; sens 91 dB SPL/W/m; power handling 20 W cont avg. Black-lacquer finish and black knit grille. 8 x 37 x 12 in \$2,700/pr

ALL CLEAR.



A rose is just a rose. And a speaker is just a speaker. Right? Get a grip.

These are Martin Logan Speakers. Unlike any others. Gone are the components of a traditional speaker. It looks like we put nothing behind the grill. That's our electrostatic driver, incorporating an incredibly advanced Vapor Deposited Membrane that you can see right through. With less mass than the air it's moving. Capable of cleanly reproducing the exquisite texture of a Stradavariou violin, yet able to unleash the awesome power of a Fender® bass.

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Martin Logan invented Curvilinear Electrostatic Technology. And we packed it all into a line of very remarkable loudspeaker designs. From the new Aeries starting at \$1,995 a pair to the \$60,000 Statement System.

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S P E A K E R S

Mini Monitor V 2-Way Speaker

Infinite-baffle design with 6½-in woofer and 1-in dome tweeter. FR 60-32,000 Hz; sens 88 dB SPL/W/m; power handling 20 W cont avg. Teak-lacquer finish; black knit grille. 6 x 15 x 9 in \$950/pr

Mini Monitor IV 2-Way Speaker

Infinite-baffle design with 6½-in woofer and 1-in dome tweeter. FR 60-20,000 Hz; sens 90 dB SPL/W/m; power handling 20 W. Teak-lacquer finish; black knit grille. 7 x 11 x 9 in \$650/pr

CELESTION

Celestion 700 SE 2-Way Speaker

Aerolam sealed enclosure with 6½-in Cobex cast-frame woofer and 1¼-in aluminum-dome tweeter. Aluminum honeycomb construction; figure-8 bracing; biwireable crossover. Includes integral stand; loading materials. Gray Nextel finish \$3,399/pr

Celestion System 6000 Subwoofer

Double-dipole low-frequency array with two 12-in woofers in each enclosure. Active crossover. Variable gain and frequency controls. Gray Nextel finish \$3,100

Celestion 600 Si 2-Way Speaker

Aerolam sealed enclosure with 6½-in Cobex cast-frame woofer and 1¼-in copper-dome tweeter. Aluminum honeycomb construction; biwireable crossover. Optional stands. Gray Nextel finish \$2,099/pr
DLP-600 Digital Processor. Designed for above. Reduces amplitude and phase-response errors. Includes fiber-optic and RCA cables \$799

Celestion 300 2-Way Speaker

CTL bass-loading design with 6½-in Cobex cast-frame woofer and 1¼-in aluminum-dome tweeter. Dual figure-8 brace; balanced veneers; biwireable crossover. Adjustable spikes. Mahogany finish \$1,999/pr
 Walnut or black-oak finish \$1,799/pr

Celestion 100 2-Way Speaker

Sealed enclosure with 6½-in Cobex cast-frame woofer and 1¼-in aluminum dome-tweeter. Dual figure-8 brace; balanced veneers; biwireable crossover. Stands are optional. Available with mahogany finish \$1,299/pr
 Walnut or black-oak finish \$1,199/pr

Celestion 15 2-Way Speaker

Bass-loading design with 6-in felted-fiber woofer and 1-in titanium-dome tweeter. Figure-8 brace. Adjustable spikes. Black-ash or oak finish \$799/pr

Celestion 11 3-Way Speaker

Bass-reflex design with 8-in felted-fiber woofer, 4-in midrange, and 1-in titanium-dome tweeter. Black-ash or oak finish \$699/pr

Celestion 9 3-Way Bookshelf Speaker

Bass-reflex design with 6-in felted-fiber woofer, 4-in midrange, and 1-in titanium-dome tweeter. Black-ash or oak finish \$599/pr

Celestion 7 2-Way Bookshelf Speaker

Sealed enclosure with 8-in Polyolefin woofer and 1-in titanium-dome tweeter. Available with black-ash or oak finish \$549/pr

Celestion 5 2-Way Bookshelf Speaker

Sealed enclosure with 6-in felted-fiber woofer and 1-in titanium tweeter. Black-ash or oak finish \$399/pr

Celestion 3. As above. 5-in woofer \$289/pr

Celestion CS-135 Subwoofer

Dual-cavity vented design with 8-in woofer. Designed for Models 1, 3, and 5. Black-ash finish \$259

Celestion 1 2-Way Bookshelf Speaker

Bass-reflex design with 4-in felted fiber woofer and 1-in titanium tweeter. Available with black-ash or oak finish \$199/pr

CELLO

Stradivarius Series

Strad Grand Master 3-Way Speaker

Two 12-in woofers, eight 1½-in dome midranges, and eight ¾-in dome tweeters. Min power 200 W; crossover points 400 and 5,000 Hz. 17 x 87 x 18 in; 565 lb \$45,000/pr

Strad Master 3-Way Speaker

12-in woofer, four 1½-in dome midranges, and four ¾-in dome tweeters. Min power 50 W; crossover points 400 and 5,000 Hz; imp 4 ohms; sens 90 dB SPL/W/m. 17 x 62 x 18 in; 340 lb \$25,000/pr

Premiere 3-Way Speaker

12-in woofer, 1½-in dome midrange, and ¾-in dome tweeter. Min power 50 W; crossover points 400 and 8,000 Hz; imp 6 ohms; sens 90 dB SPL/W/m. 17 x 45 x 18; 250 lb \$12,000/pr

Amati 3-Way Speaker

Acoustic-suspension design with one 12-in woofer, four 1½-in dome midranges, and four ¾-in dome tweeters. Triwire/triamp terminals. Wall, shelf, or stand mount. Sens 90 dB SPL/W/m. Oak finish. 19 x 27 x 10 in \$10,000/pr

CERWIN-VEGA

The following feature a 5-yr limited warranty.

Q-1 2-Way Speaker

Proprietary vented enclosure with 10-in woofer and polyfoam tweeter. Bass boost. Power handling 400 W; FR 30-20,000 Hz ± 3 dB; sens 100 dB W/m; imp 4 ohms. Walnut veneer with black grille \$1,498

AT-15 3-Way Speaker

Bass-reflex design with 15-in woofer, two 5-in midranges, and dome tweeter. Power handling 400 W; sens 102 dB SPL/W/m; imp 4 ohms. Black or wood-grain vinyl finish. 19 x 36½ x 18½ in; 85 lb \$1,080/pr
AT-12. As above, 12-in woofer and one 5-in midrange. Power handling 200 W; sens 97 dB W/m; imp 6 ohms. 16 x 30 x 14 in; 55 lb \$690/pr
AT-10. As AT-12, 10-in woofer; internal self-resetting circuit breaker. Power handling 150 W; sens 95 dB; imp 6 ohms. 14 x 28½ x 13½ in; 40 lb \$620/pr
AT-8. 2-way version of above with 8-in woofer and dome tweeter. Power handling 100 W; sens 94 dB; imp 6 ohms. 12 x 21 x 10 in; 26 lb \$410/pr

W-8 2-Way In-Wall Speaker

8-in woofer and 1-in ferrofluid-cooled dome tweeter. Features self-resetting tweeter protection; ½-in-thick baffle. Power handling 125 W; FR 40-20,000 Hz ± 3 dB; sens 92 dB W/m; crossover point 3,500 Hz. Matte-white finish with metal grille \$505/pr

W-7 2-Way In-Wall Speaker

7-in woofer with rubber surround and 1-in polycarbonate-dome tweeter. Features self-resetting tweeter; ½-in-thick baffle. Power handling 80 W; FR 40-20,000 Hz ± 3 dB; sens 92 dB W/m; crossover point 4,000 Hz. Matte-white finish with metal grille. 9¾ x 12¾ x 3¼ in \$435/pr

SW-12B Subwoofer

Vented design with 12-in down-firing driver. Features die-cast aluminum woofer frame; 7-lb magnet. Power handling 125 W; sens 92 dB W/m. Wood-grain vinyl finish. 13½ x 25½ x 16¼ in; 48 lb \$320

L-9 2-Way Speaker

10-in woofer with foam surround and 1-in dome tweeter. Features self-resetting tweeter. Power handling 100 W rms; FR 40-20,000 Hz ± 3 dB; sens 93 dB W/m; imp 8 ohms. Rosewood-vinyl finish with removable grille. 13 x 22 x 11½ in \$220

L-7 2-Way Speaker

7-in paper-cone woofer with butyl-rubber surround and 1-in polymer-dome tweeter. Power handling 75

W rms; FR 40-20,000 Hz ± 3 dB; sens 92 dB W/m; imp 8 ohms. Rosewood-vinyl finish with grille. 9 x 14 x 8¾ in \$170

Home Theater Series

The following feature vented enclosures, magnetically shielded drivers, and an ebony wood-grain finish.

Sensurround Home Theater System

7-piece magnetically-shielded system with two 10-in subwoofer modules, 4 satellites, and center-channel speaker \$1,660

HT-210C Subwoofer/Center-Channel System

Video-pedestal design with two 10-in subwoofers, 6½-in midrange, and 1-in polycarbonate-dome tweeter. Defeatable passive crossover. Subwoofer: power handling 150 W; FR 38-100 Hz ± 3 dB; sens 94 dB; imp 8 ohms. Center channel: power handling 80 W; FR 80-20,000 Hz ± 3 dB. 33 x 19 x 20 in \$650

HT-S6 2-Way Speaker

Vented design with 6½-in midrange and 1-in polycarbonate-dome tweeter. Satellite speakers with shielded enclosure. Power handling 80 W; FR 80-20,000 Hz ± 3 dB; sens 92 dB W/m; imp 8 ohms. 8½ x 11¾ x 11 in \$380/pr

HT-CTR 3-Way Center Channel Speaker

Two 6½-in midranges and 1-in polycarbonate-dome tweeter. Features midrange configuration for 120° dispersion. Power handling 100 W; FR 80-20,000 Hz ± 3 dB; sens 94 dB W/m; imp 8 ohms. 16½ x 8¼ x 11¾ in \$320

HT-110 Subwoofer

Bass module with 10-in driver. Features die-cast aluminum woofer frame; defeatable passive crossover. Power handling 250 W; FR 38-125 Hz; sens 94 dB W/m; imp 8 ohms. 13 x 17½ x 24½ in \$290

DX Series

DX-9 3-Way Speaker

Bass-reflex design with 15-in woofer, 6½-in midrange, and 1-in dome tweeter. Features push terminals; self-resetting tweeter. Power handling 400 W; frequency response 30-20,000 Hz ± 3 dB; sens 101 dB W/m; imp 4 ohms; crossover points 250 and 5,000 Hz. Scuff-resistant wood-grain vinyl. 18 x 36 x 18 in; 85 lb \$555

DX-7 3-Way Speaker

Bass-reflex design with 12-in woofer, 6½-in midrange, and 1-in dome tweeter. Features push terminals; self-resetting tweeter. Power handling 255 W; frequency response 34-20,000 Hz ± 3 dB; sens 98 dB W/m; imp 4 ohms; crossover points 250 and 5,000 Hz. Scuff-resistant wood-grain vinyl. 15 x 34 x 15 in; 64 lb \$410

DX-5 3-Way Speaker

Bass-reflex design with 12-in woofer, 4-in midrange, and 1-in dome tweeter. Features push terminals; self-resetting tweeter. Power handling 175 W; FR 36-18,000 Hz ± 3 dB; sens 96 dB W/m; imp 8 ohms; crossover points 500 and 4,000 Hz. Scuff-resistant wood-grain vinyl. 15 x 31 x 10¾ in; 44 lb \$345

DX-3 3-Way Speaker

Bass-reflex design with 10-in woofer, 4-in midrange, and 1-in dome tweeter. Features push terminals; self-resetting tweeter. Power handling 125 W; FR 37-18,000 Hz ± 3 dB; sens 94 dB W/m; imp 8 ohms; crossover points 350 and 5,000 Hz. Scuff-resistant wood-grain vinyl. 13 x 28 x 11 in; 34 lb \$320

DX-1 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in dome tweeter. Features push terminals; self-resetting tweeter. Power handling 100 W; FR 40-18,000 Hz ± 3 dB; sens 92 dB W/m; imp 8 ohms; crossover point 2,500 Hz. Scuff-resistant wood-grain vinyl. 11 x 20 x 11 in; 25 lb \$205

Our Speakers Are So Sensitive, You Can Hear The Subtleties Of People Who Communicate With Their Hands.



Music, quite simply, is a mood-altering substance. With that in mind, we've built our DX loudspeakers on the belief that the more you hear, the more you'll feel.

Consequently, our DX midrange is designed to achieve such natural presence and clarity, you'll feel every stretch and strum in a guitar solo.



*If you love heavy metal,
you should be
listening to lightweight
aluminum.*

Perhaps it's because of our midrange voice coil, in which we've used an aluminum "former" to dissipate heat. Or the free-edge surround that ingeniously dampens cone movement. Then again, maybe it's our distortion-free crossover network. The combined result is a loudspeaker with the highest power handling and widest

dynamic range of anything you might hear in the demo room. Of course, the DX also has something else you won't hear in other loudspeakers.

Cerwin-Vega bass.

Which for over 35 years has been the ultimate mover and shaker in audio.

In fact, the DX-9 takes bass response all the way down to an earth-shaking 25Hz.

All of which is encouragement to drop by a Cerwin-Vega dealer and listen closely to our DX loudspeakers. And see how a totally instrumental piece of music can actually speak to you.



Cerwin-Vega!



A DX loudspeaker can make a room the size of, say, an outhouse, sound very much like an opera house.

S P E A K E R S

VS Series

The following feature 5-way binding posts, self-resetting tweeter protection, and a walnut vinyl finish.

VS-150 3-Way Speaker

Bass-reflex design with 15-in woofer, 6½-in midrange, and 1-in soft-dome tweeter. Fuse protection. Power handling 400 W; FR 28-22,000 Hz ± 3 dB; sens 102 dB W/m; imp 4 ohms; crossover points 300 and 5,000 Hz. 18 x 35½ x 18¾ in; 90 lb. \$540

VS-120 3-Way Speaker

Bass-reflex design with 12-in woofer, 4-in midrange, and 1-in dome tweeter. Fuse protection. Power handling 200 W; FR 28-22,000 Hz ± 3 dB; sens 97 dB W/m; imp 4 ohms; crossover points 500 and 4,000 Hz. 16½ x 32 x 14¾ in; 57 lb. \$345

VS-100 3-Way Speaker

Bass-reflex design with 10-in woofer, 4-in midrange, and 1-in balanced-drive dome tweeter. Power handling 125 W; FR 37-20,000 Hz ± 3 dB; sens 94 dB W/m; imp 6 ohms; crossover points 600 and 5,000 Hz. 12¾ x 27½ x 11¾ in; 40 lb. \$310

VS-80 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in dome tweeter. Power handling 100 W; FR 38-20,000 Hz ± 3 dB; sens 94 dB W/m; imp 6 ohms; crossover point 4,000 Hz. 11 x 10 x 11¾ in; 26 lb. \$205

CHAPMAN

T7 3-Way Speaker

Modified dual-port transmission-line design with 10-in poly laminate fiber-cone woofer, 7-in fiber-composite midrange, and 1-in titanium-dome tweeter. Power handling 250 W max; FR 28-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 4 ohms; crossover 150 Hz and 3,000 Hz. Oak finish. 13 x 44 x 10 in; 88 lb \$1,850/pr

CHARIO

Academy 2-Way Speaker

Bass-reflex design with 6¾-in neoflex-cone woofer and 1-in soft-dome tweeter. Features 24-dB/oct crossover. Power handling 100 W rms; FR 50-20,000 Hz ± 2 dB; sens 83 SPL/W/m; imp 8 ohms; crossover point 1,500 Hz. 10½ x 16½ x 12½ in; 25 lb. Solid walnut finish. \$3,300/pr

Academy 1. As above. Crossover point 1,850 Hz; sens 81.5 dB SPL/W/m. 8½ x 15 x 12½ in; 18 lb. \$2,300/pr

CLEMENTS

The following feature a 10-year warranty.

Reference RT-7 2-Way Speaker

Compression-line design with 8-in polypropylene-cone woofer. 7-in direct-inductance planar-ribbon midrange/tweeter. Frequency-tilt control. Power handling 200 W; FR 26-40,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 6.5 ohms; crossover point 1,575 Hz. Adjustable splked feet. Rosewood finish. 10½ x 45½ x 19 in. \$5,100
 Piano lacquer finish \$4,750
 Zebra-wood finish \$4,750
 Mahogany finish \$4,750
 Oak or walnut finish \$3,699

Model 1000Si 2-Way Speaker

Transmission-line design with 8-in polypropylene-cone woofer and 1-in ferrofluid-cooled linen-dome tweeter. Features biampable crossover. Power handling 150 W; FR 30-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 6 ohms; crossover point 2,500 Hz. Black gloss finish. 34 x 11 x 14¼ in. \$1,300/pr
Model 800Si. As above, non-gloss finish. \$1,000/pr

Little d Wood 2-Way Speaker

Compression-line design with 5¼-in polypropylene-cone woofer and 5-in direct-inductance planar-ribbon midrange/tweeter. 18-dB/oct woofer slope. Power

handling 100 W; FR 42-40,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 6 ohms; crossover point 2,400 Hz. Oak or black finish. 8 x 17 x 11½ in. \$1,195/pr
 Black, white, gray, or red finish. 7 x 16 x 10 in \$995/pr

Model 600Si 2-Way Speaker

Transmission-line design with 6½-in polypropylene-cone woofer and 1-in ferrofluid-cooled linen-dome tweeter. Features biamp/biwire crossovers. Power handling 150 W; FR 36-20,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 6 ohms; crossover point 2,500 Hz. Black finish. 9½ x 32 x 14¼ in. \$850/pr

Model 400Si 2-Way Speaker

Transmission-line design with 8-in polypropylene-cone woofer and 1-in ferrofluid-cooled linen-dome tweeter. Features biampable crossovers. Power handling 100 W; FR 40-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 6 ohms; crossover point 2,500 Hz. Black finish. 11 x 17 x 14¼. \$700

Model 300Si. As above, power handling 80 W. FR 45-20,000 Hz, sens 90 dB SPL/W/m. 9½ x 14 x 11¼ in. \$550

Model 200Si. As above, power handling 80 W. FR 50-20,000 Hz, sens 90 dB SPL/W/m. 9½ x 14 x 11¼ in. \$400

Model 100Si 2-Way Speaker

Compression-line design with 6-in polypropylene-cone woofer and ½-in hard-dome tweeter. Features biampable crossover. Power handling 80 W; frequency response 50-20,000 Hz ± 3 dB; sensitivity 90 dB SPL/W/m; imp 6 ohms; crossover point 2,500 Hz. Dimensions: 9½ x 14 x 11¼. \$299

CLIF DESIGNS

The following are available in either black or white.

KP-800 Subwoofer/Satellite System

Bass module with two 10-in dual-voice-coil woofers and 2 satellites, each with 4-in midrange and 1½-in ferrofluid-cooled polycarbon tweeter. FR 30-20,000 Hz; sens 88 dB; imp 4 ohms; crossover points 120, 6,000 Hz. Subwoofer: 16½ x 16½ x 16½ in. Satellites: 14 x 14 x 14 in. \$799
 Subwoofer only \$625

KP-600 Subwoofer/Satellite System

Bass module with two 5¼-in and one 8-in dual-voice-coil woofers and 2 satellites, each with 4-in midrange and 1½-in ferrofluid-cooled polycarbon tweeter. FR 38-20,000 Hz; imp 4 ohms; sens 88 dB; crossover points 120 and 6,000 Hz. Subwoofer: 34 x 12 in at base, 5 in at top \$699
 Subwoofer only \$525

KP-500 Subwoofer/Satellite System

Bass module with two 5¼-in and 6½-in dual-voice-coil woofers and 2 satellites, each with 4-in midrange and 1½-in ferrofluid-cooled polycarbon tweeter. FR 30-20,000 Hz; sens 92 dB; crossover points 120 and 6,000 Hz. Subwoofer: 34 x 9 in at base, 5 in at top \$599
 Subwoofer only \$430

KP-700 Subwoofer/Satellite System

Bass module with 10-in dual-voice-coil woofer and 2 satellites, each with 4-in midrange and 1½-in ferrofluid-cooled polycarbon tweeter. FR 38-20,000 Hz; imp 4 ohms; sens 88 dB; crossover points 120 and 6,000 Hz. Subwoofer: 14¼ x 14¼ x 14¼ in at base. 12 x 12 x 12 in at top \$499
 Subwoofer only \$325

K-250 2-Way Speaker

Shelf, bracket, or stand design with 4-in midrange and 1-in ferrofluid-cooled polycarbon tweeter. Power handling 80 W; FR 80-20,000 Hz ± 3 dB; sens 92 dB; imp 6 ohms. 4¾ x 7 x 5 in; 3 lb. \$299

K-200 2-Way Speaker

4-in midrange and 1½-in ferrofluid-cooled polycarbon tweeter. Sens 92 dB; crossover points 120 and 6,000 Hz. 4¾ x 7 x 5 in. \$199

COMMUNITY

CSV Series

The following feature a crossover with overload protection, a fiberboard enclosure, an oak-veneer finish, and a 5-year warranty. Steel mounting brackets are optional.

CSV52 3-Way Speaker

Bass-reflex design with 15-in ferrofluid-cooled woofer, 6½-in ferrofluid-cooled midrange, and horn tweeter. Power handling 200 W cont avg; FR 40-20,000 Hz; sens 98 dB SPL/W/m; imp 4 ohms; crossover points 500 and 5,000 Hz. 18 x 33½ x 18 in; 88 lb. \$837

CSV35 2-Way Speaker

Bass-reflex design with 15-in ferrofluid-cooled woofer and horn tweeter. Power handling 150 W cont avg; FR 60-18,000 Hz; sens 99.5 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. 17½ x 23¾ x 13½ in; 48 lb. \$489

CSV25 2-Way Speaker

Bass-reflex design with 12-in woofer and horn tweeter. Power handling 100 W cont avg; FR 70-18,000 Hz; sens 97.5 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. 15 x 18¼ x 13½ in; 38 lb. \$420

CSV8T 2-Way Speaker

Bass-reflex design with 8-in woofer and horn tweeter. 70-1-V coupling transformer. Power handling 100 W rms; FR 60-18,000 Hz; sens 94 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. 13½ x 13½ x 8½ in; 23 lb. \$262
CSV8. As above, without transformer \$219

COMPONENTS SPECIALTIES

SP-150T 2-Way Outdoor Speaker

Sealed enclosure with 5¼-in polycarbon woofer and 2-in tweeter. Features weatherproofing; die-cast aluminum housing; 70-V transformer. Power handling 50 W rms; FR 60-18,000 Hz; imp 8 ohms. Mounting brackets included. 6¼ x 9 x 6½ in. \$180

SP-502T 2-Way Outdoor In-Wall Speaker

5¼-in polypropylene woofer and ¾-in Mylar-cone tweeter. 10-oz strontium woofer magnet; 1-in woofer voice coil; weatherproofing; 70-V transformer. Power handling 20 W rms; FR 50-20,000 Hz; sens 90 dB; imp 8 ohms; crossover point 3,000 Hz. Paintable frame and grille; template included. 3 lb. \$90

CONTOUR ACOUSTIC DESIGN

The following feature a 5-year limited warranty.

Model 93041 Subwoofer/Satellite System

Bass module with 6½-in polypropylene woofer and 2 satellites, each with 4½-in midrange and 2½-in tweeter. Features thermal protection; butyl-rubber speaker surrounds. Power handling 100 W; FR 50-18,000 Hz; imp 8 ohms. Black wood finish. Subwoofer: 7½ x 10½ x 5¾ in. Satellite: 15 x 11 x 15¾ in. \$250

Model 93022 3-Way Speaker

8-in woofer, 4-in midrange, and 3-in tweeter. Features thermal protection; butyl-rubber speaker surrounds. Power handling 100 W max; sens 85 dB SPL/W/m; FR 100-18,000 Hz. Black wood finish. 12½ x 22½ x 10¼ in. \$200/pr

Model 91031 Full-Range Speaker

4½-in driver with butyl-rubber surround. Power handling 20 W; FR 80-16,000 Hz; imp 8 ohms. Oak-laminated finish. 5¾ x 7½ x 5¼ in. \$70/pr

COUNTERPOINT

Metropolitan 3-Way Speaker

Controlled directivity transmission-line design with two 8-in polypropylene woofers, two 6-in Kevlar midranges, and 1-in aluminum tweeter. Monocoque construction. Power handling 500 W rms; FR 25-25,000



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S P E A K E R S

Hz \pm 3 dB; sens 91 dB; Imp 4 ohms. Walnut, light-oak, black-oak, or cherry finish. 62½ x 24 x 12 in. \$6,000/pr

Continental 2-Way Speaker

Controlled directivity transmission-line with two 6-in polypropylene woofers and aluminum tweeter. Monocoque construction. Power handling 300 W rms; FR 31-25,000 Hz \pm 3 dB; sens 88 dB; Imp 4 ohms. Walnut, light-oak, black-oak, or cherry finish. 50 x 18 x 10 in. \$3,000/pr

DAHLQUIST

DQ-30i 3-Way Speaker

Vertical, decoupled phase-array design with 10-in polypropylene woofer, 5-in polypropylene midrange, and ¾-in alloy-dome tweeter with butyl surround. Features vented 2nd-order/quasi-Bessel alignment. FR 29-27,000 Hz; power handling 250 W; sens 91 dB; Imp 4 ohms; crossover points 270 and 3,000 Hz. Rosewood or black trim. 17½ x 47 x 15 in; 95 lb. \$2,000/pr

DQ-28 3-Way Speaker

Vertical, decoupled phase-array design with 8-in polypropylene woofer, 4-in polypropylene midrange, and ¾-in alloy dome tweeter with butyl surround. Features vented 2nd-order/quasi-Bessel alignment. FR 37-27,000 Hz; power handling 200 W; sens 91 dB; Imp 4 ohms; crossover points 470 and 4,000 Hz. Rosewood or black trim. 14½ x 41½ x 12 in; 69 lb. \$1,400/pr

DQ-18 2-Way Speaker

Vertical, decoupled phase-array design with 8-in polycarbon woofer and ¾-in alloy-dome tweeter with butyl surround. Features 2nd-order/quasi-Bessel alignment. FR 39-27,000 Hz; power handling 200 W; sens 91 dB; Imp 4 ohms; crossover point 200 Hz. Rosewood or black trim. 14½ x 41½ x 12 in; 63 lb. \$1,000/pr

DQ-16 2-Way Speaker

Vertical, decoupled phase-array design with 6-in polycarbon woofer and ¾-in alloy-dome tweeter. Features 2nd-order/quasi Bessel alignment. FR 39-27,000 Hz; power handling 150 W; sens 90 dB; Imp 6 ohms. 37 x 14 x 12 in; 43 lb. \$700/pr

M905 2-Way Speaker

Tuned-port design with 8-in polyvinyl laminated woofer and 1-in dome tweeter. FR 40-24,000 Hz; power handling 125 W; sens 91 dB; Imp 8 ohms; crossover point 2,500 Hz. Walnut veneer. 13½ x 24 x 12½ in; 35 lb. \$680/pr

DQ-6Cl 2-Way Bookshelf Speaker

Boundary-dependent vertical, decoupled phase-array design with 6-in Kevlar/cellulose woofer and ¾-in alloy dome tweeter. 2nd-order/quasi Bessel alignment. FR 46-27,000 Hz; power handling 150 W; sens 89 dB; Imp 4 ohms. 22 x 14 x 12 in; 43 lb. \$600/pr

DANA AUDIO

Model 2 2-Way Speaker

Sealed design with 8-in polycarbonate woofer and 1-in metal-dome tweeter. Semi-cylindrical enclosure with ¾-in non-resonant front baffle. Power handling 150 W; FR 30-24,000 Hz; sens 89 dB; Imp 8 ohms. Oak-veneer finish. 13½ x 36 x 11½ in. \$395/pr

Model 1 2-Way Bookshelf Speaker

Acoustic-suspension design with 6½-in woofer and ¾-in titanium tweeter. Features gold-plated binding posts. Power handling 100 W; Imp 8 ohms; crossover point 3,150 Hz. Black vinyl finish. 3-yr warranty. 8¾ x 14¾ x 7½ in. \$179/pr

DANTAX

SQ 65-II 2-Way In-Wall Speaker

4-in woofer and 2-in tweeter. Enclosure made of molded plastic, bitumen sheets, and aluminum to

reduce vibrations. Features active crossover network. Power handling 65 W cont avg; FR 45-20,000 Hz \pm 4 dB; sens 89 dB SPL/W/m; Imp 8 ohms. White or black. 17½ x 17½ x 6¼ in; 8 lb. \$450/pr

Opus Series

Opus 7 3-Way Speaker

Hybrid vented sealed design with two 10-in polypropylene woofers, 5-in polypropylene midrange, and 1-in ferrofluid-cooled soft-dome tweeter. Internally braced cabinet with spiked feet. Biwireable gold-plated terminals. Power handling 200 W cont avg; FR 28-28,000 Hz; sens 94 dB W/m; Imp 4-8 ohms; crossover points 800 and 4,000 Hz. High-gloss black finish. 12½ x 43 x 12 in; 59 lb. \$1,200

Opus 5 3-Way Speaker

Bass-reflex design with two 8-in polypropylene woofers, 5-in polypropylene midrange, and 1-in soft-dome tweeter. Gold-plated biwire/biamp terminals. Power handling 140 W cont avg; FR 38-22,000 Hz; sens 93 dB SPL/W/m; Imp 4-8 ohms; crossover points 1,000 and 5,000 Hz. High-gloss black-metallic finish. 10¼ x 45 x 12½ in; 45 lb. \$600

Opus 3 2-Way Speaker

Bass-reflex design with two 6-in polypropylene woofers and 1-in soft-dome tweeter. Gold-plated terminals. Power handling 110 W cont avg; FR 42-22,000 Hz; sens 91 dB SPL/W/m; Imp 4-8 ohms; crossover point 5,000 Hz. High-gloss black-metallic finish. 9¼ x 35 x 9¾ in; 30 lb. \$400

Opus 1 2-Way Speaker

Bass-reflex design with 6-in polypropylene woofer and 1-in soft-dome tweeter. Gold-plated terminals. Power handling 80 W cont avg; FR 45-22,000 Hz; sens 90 dB SPL/W/m; Imp 8 ohms; crossover point 5,000 Hz. High-gloss black-metallic finish. 9 x 13¾ x 9 in; 13 lb. \$250

Tube Series

The following feature a tubular enclosure with a downward-firing woofer.

Tube 3 3-Way Speaker

8-in woofer, 4-in midrange, and 2-in tweeter. Power handling 120 W cont avg; FR 32-20,000 Hz; sens 96 dB/m at 1.8 W; crossover points 1,000 and 5,000 Hz. 39½-in height, 10-in diameter; 24 lb. \$750/pr

Tube 2 3-Way Speaker

6½-in woofer, 4-in midrange, and 2-in tweeter. Power handling 80 W cont avg; FR 35-20,000 Hz; sens 96 dB/m at 2.2 W; crossover points 1,000 and 5,000 Hz. 31½-in height, 8-in diameter; 14 lb. \$600/pr

Tube 1 2-Way Speaker

4-in woofer and 2-in tweeter. Power handling 50 W cont avg; FR 45-20,000 Hz; sens 96 dB/m at 3 W; crossover point 3,000 Hz. 19½-in height, 5-in diameter; 3 lb. \$300/pr

Subwoofer/Satellite Systems

SUB 3000 Subwoofer/Satellite System

Subwoofer with two 8-in polypropylene woofers, and 2 satellites, each with 4-in hybrid polypropylene-cone woofer/midrange and 2-in ferrofluid-filled cone tweeter. Features push-pull woofer configuration. Power handling 100 W cont avg; FR 35-20,000 Hz; sens 90 dB SPL/W/m; Imp 6-8 ohms; crossover points 95 and 5,000 Hz. Black or white finish. Subwoofer: 23-in height, 10-in diameter; 23 lb. Satellite: 5½ x 8½ x 4¾ in; 4 lb. \$1,000

SUB 2002 Subwoofer/Satellite System

Subwoofer with two 8-in woofers, and 2 satellites, each with 3½-in woofer/midrange and 2-in cone tweeter. Features molded ABS enclosures. Power handling 120 W; FR 38-20,000 Hz; sens 92 dB SPL/W/m; Imp 4-8 ohms; crossover points 180 and 3,000 Hz. Black or white finish. Subwoofer: 20 x 8 x 12¾ in; 21 lb. Satellites: 4¼ x 8¼ x 4¼ in; 3 lb. \$500

SUB 1002 Subwoofer/Satellite System

Subwoofer with two 8-in woofers, and 2 satellites, each with one 3½-in full-range driver. Power handling 90 W cont avg; FR 38-15,000 Hz; sens 89 dB SPL/W/m; Imp 6 ohms; crossover point 180 Hz. Black or white finish. Subwoofer: 20 x 8 x 12¾ in; 21 lb. Satellite: 4¼ x 4¼ x ¼ in; 2 lb. \$320

DATAWAVE

WRS-7 Rock Wireless Outdoor Speaker

5-in full-range driver in fiberglass-reinforced enclosure designed to look like a boulder. Features transmitter with 150-ft range; DC power jack for optional power supply; auto shutoff; two-channel operation; weatherproof design. On/off and volume controls; channel select switch; power LED; 2 selectable, crystal-controlled channels. Battery powered. FR 140-10,000 Hz; sens 15 dB; S/N 50 dB. 16¾ x 7½ x 9¾ in. \$175

WOS-7 Wireless Outdoor Speaker

4-in full range driver. Features transmitter with 150-ft range; 2 channels; weatherproof design. On/off and volume controls; power LED; channel select switch. Battery powered. FR 140-10,000 Hz; sens 15 dB; S/N 50 dB. 4¾ x 12 x 3¼ in. \$150

WSH-7. Weatherproof version of above. Designed for use in the shower. \$150

WS-7 Wireless Speaker

4-in full-range driver. Features transmitter with 150-ft range; 2 channels; 360° sound pattern; auto shutoff. On/off and volume controls; channel select switch; power LED. AC or battery powered. FR 140-10,000 Hz; sens 15 dB; S/N 50 dB. 4½ x 8½ x 4½ in; 2 lb. \$140

DCM

TimeWindow 7 3-Way Speaker

7-sided staggered transmission-line design with two 9-in polypropylene woofers, two 6½-in midrange, and two ¾-in diamond-coated tweeters. Features time-equalized response. Power handling 500 W cont avg; FR 22-25,000 Hz; sens 92 dB SPL/W/m; Imp 6 ohms. Gloss black finish. 18½ x 48 x 14 in; 75 lb. \$2,999/pr

TimeWindow 3-Way Speaker

Folded transmission-line design with 8-in cone woofer, 6½-in cone midrange, and two ¾-in soft-plastic-dome tweeters. Features time-coherent point-source configuration. Tweeter and midrange level controls; narrow/wide image control; acoustic antidiffraction lenses. Power handling 500 W cont avg; frequency response 24-20,000 Hz; sens 90 dB SPL/W/m; Imp 8 ohms. Dark oak finish. 16¼ x 39¼ x 12¾ in; 45 lb. \$1,499/pr

TimeFrame TF1000 3-Way Speaker

Tapered transmission-line design with 8-in woofer, 4-in midrange, and ¾-in soft-plastic dome tweeter. Features acoustic antidiffraction lens. Power handling 300 W cont avg; FR 26-20,000 Hz; Imp 8 ohms; sens 91 dB SPL/W/m. Dark oak finish. 19½ x 49 x 8 in; 49 lb. \$1,099/pr

TimeWindow 1A 2-Way Speaker

Hybrid transmission-line design with two 6½-in cone woofers and two ¾-in soft-plastic-dome tweeters with acoustic lens. Features pinpoint imaging properties; cylindrical back and triangular-prism front. Optimized for min time-dispersion error. Power handling 200 W cont avg; sens 91 dB SPL/W/m; Imp 8 ohms. Dark oak finish. 15 x 36 x 11¼ in; 32 lb. \$949/pr

TimeFrame TF600 3-Way Speaker

Mirror-image design with 6½-in woofer, 6½-in coaxially mounted polypropylene midbass, ¾-in dome tweeter with acoustic lens for point-source imaging, and 2 rear-firing ¾-in dome tweeters. Staggered transmission-line enclosure terminates in 1 rear vent. Power handling 250 W cont avg; FR 30-20,000 Hz; sens 92 dB SPL/W/m; Imp 6 ohms. Dark oak finish. 17 x 41 x 8¾ in; 47 lb. \$699/pr

TimeFrame TF400 3-Way Speaker

Transmission-line design with two 6½-in magnetically-shielded cone woofers and one coaxially mounted ¾-in dome tweeter. Features antidiffraction lens. Power handling 150 W cont avg; FR 42-20,000 Hz; sens 92 dB SPL/W/m; imp 6 ohms. Dark oak finish, fabric grille. 15 x 38 x 8 in; 31 lb \$569/pr

CX-27 3-Way Speaker

Transmission-line design with 6½-in woofer, 6½-in midbass, and coaxially mounted ¾-in dome tweeter. Acoustic lens for point-source imaging, 2 rear-firing ports. Power handling 150 W cont avg; FR 35-20,000; sens 93 dB SPL/W/m; imp 6 ohms. 10 x 27 x 11 in; 25 lb \$499/pr

CX-17 2-Way Bookshelf Speaker

Transmission-line design with 6½-in woofer and coaxially mounted ¾-in dome tweeter. Features acoustic lens for point-source imaging, rear-firing port. Power handling 100 W cont avg; FR 45-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. 9 x 17 x 10 in; 15 lb \$349/pr

CX-07 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in woofer and ¾-in dome tweeter. Features rear firing port; magnetic shielding. Power handling 80 W cont avg; FR 55-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 8 x 15 x 9 in; 12 lb \$249/pr

DEFINITIVE TECHNOLOGY**BP20 2-Way Speaker**

Four 6½-in mineral-filled-polymer woofers and two 1-in aperiodic-dome tweeters. Phase-coherent Linkwitz-Riley crossover; bipolar system with symmetrically concentric driver arrays on front and rear baffles; computer-synthesized transmission-line tuning. Biwire biamp terminals. FR 18-28,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; power handling 500 W. Black cloth grille with black-lacquer or oak end caps. 9 x 46 x 15 in \$799

BP10 2-Way Speaker

Bipolar radiating design with two 6½-in mineral-filled midranges and two 1-in dome ferrofluid-cooled tweeters. Features Linkwitz-Riley crossover; aluminum voice coil; FR 20-28,000 Hz; imp 8 ohms. Black grille cloth with wood or black-lacquer finish. 5-yr warranty. 9 x 42 x 11½ in \$550

DR7 2-Way Speaker

6½-in mineral-filled-polymer woofer and 1-in ferrofluid-cooled dome tweeter. Features phase-coherent Linkwitz-Riley crossover; narrow-profile minimum-diffraction cabinet and computer-synthesized transmission-line tuning. FR 22-28,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; power handling 200 W. Black cloth grille with black-lacquer or oak end caps. 8½ x 38 x 11 in \$375

C-1 2-Way Center-Channel Speaker

Magnetically shielded design with two 5¼-in cast basket woofers and 1-in soft-dome tweeter. Features Linkwitz-Riley crossover. FR 25-28,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; power handling 200 W. Black finish. 6¼ x 19 x 8½ in \$299

BP2 Satellite/Surround System

Compact bipolar design with two 5¼-in cast-basket polypropylene-cone woofers and two ¾-in soft dome tweeters. Designed for rear/side-channel surround or satellite system applications. Features Linkwitz-Riley crossover design; low diffraction grille/baffle interface. Includes wall mounting plate. FR 50-28,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; power handling 200 W. Black or white. 7 x 11 x 7 in \$250

DENNESEN**Dennesen Class A 3-Way Speaker**

Hybrid design with slot-loaded 10-in woofer, 6½-in midrange, and four 3-in electrostatic tweeter elements. Phase-corrected, time-aligned design. Power

handling 200 W cont avg; FR 25-35,000 Hz ± 2.5 dB; sens 90 dB SPL/W/m; imp 8 ohms. Oiled walnut finish. 14 x 54 x 12 in; 80 lb \$3,500/pr
Active crossover for biamplifying \$375

Dennesen 2-Way Bookshelf Speaker

Acoustic-suspension/electrostatic hybrid design with 5-in woofer/midrange and three 3-in electrostatic tweeter elements. Phase-corrected, time-aligned design. Power handling 100 W cont avg; FR 55-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. Oiled walnut finish. 10 x 16 x 9 in; 20 lb \$950/pr

DENON**SC-7.5 2-Way Bookshelf Speaker**

Ported design with 6½-in woofer and 1½-in dome tweeter. Features magnetic shielding; Gauss-Bessel tweeter waveguide; front-facing port. FR 40-20,000 Hz; imp 8 ohms; sens 89 dB SPL/W/m. Gray-textured finish; black-knit grille. 8 x 13¼ x 8¾ in \$500/pr

DSW-1 Powered Subwoofer

Tuned-port design with long-throw woofer for deep bass output. Separate inputs for line- and speaker level signals. FR 39-150 Hz \$250

SC-5.5 2-Way Bookshelf Speaker

Ported design with 5-in woofer and 2-in cone tweeter. Features magnetic shielding; rear-facing port. FR 50-20,000 Hz; imp 8 ohms; sens 88 dB SPL/W/m. Gray-textured finish; black-knit grille. 5¼ x 9¾ x 6¼ in \$200/pr

DESIGN ACOUSTICS**Point Source Series****PS-10A 3-Way Speaker**

Acoustic-suspension design with downward-firing 10-in woofer, 5¼-in midrange, and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 300 W; crossover points 200 Hz and 2,800 Hz; sens 91 dB SPL/W/m; FR 45-22,000 Hz; imp 8 ohms. Oak or black-ash vinyl. 11 x 16½ x 13 in; 23 lb \$600/pr

PS-9 3-Way Speaker

Acoustic-suspension design with downward-firing 8-in woofer, 5¼-in midrange, and ¾-in ferrofluid-cooled soft-dome tweeter. Power handling 250 W; crossover points 200 and 3,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Oak or black-ash vinyl finish. 9¾ x 15½ x 12½ in; 20 lb \$500/pr

PS-8C 2-Way Speaker

Acoustic-suspension design with 8-in woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 200 W; crossover point 2,800 Hz; sens 90 dB SPL/W/m; frequency response 50-20,000 Hz; imp 8 ohms. Oak or black-ash vinyl finish. 9¾ x 13½ x 11¼ in; 15 lb \$380/pr

PS-SW Subwoofer

Vented design with 10-in carbon-fiber woofer. Features impregnated aluminum dual voice coils; high-pass filter. Power handling 200 W; sens 89 dB SPL/W/m (1 voice coil), 95 dB (2 voice coils); FR 30-130 Hz; imp 8 ohms. Black-vinyl finish. 5-year limited warranty. 16½ x 22 x 11 in; 38 lb \$340

PS-6A 2-Way Speaker

Acoustic-suspension design with 6½-in woofer and ¾-in ferrofluid-cooled soft-dome tweeter. Magnetic shielding. Power handling 100 W; crossover point 3,000 Hz; sens 88 dB SPL/W/m; FR 55-20,000 Hz; imp 8 ohms. Oak or black-ash vinyl finish. 8½ x 12 x 11½ in; 12 lb \$280/pr

PS-55 2-Way Speaker

Bass-reflex design with 5¼-in woofer and ¾-in ferrofluid-cooled soft-dome tweeter. Tuned rear port. Power handling 75 W; crossover point 4,000 Hz; sens 88 dB SPL/W/m; FR 65-20,000 Hz; imp 8 ohms. Black-ash vinyl finish. 7 x 10¼ x 6 in; 7 lb \$220/pr
PS-CV. As above, with magnetic shielding \$120

PS-24 2-Way Center-Channel Speaker

Vented design with two 4-in woofers and ¾-in metallized polycarbonate dome tweeter. Magnetic shielding. Power handling 75 W; sens 88 dB SPL/W/m; FR 50-20,000 Hz. Metal grille; black-vinyl finish \$190

DA-360 2-Way Outdoor Speaker

ABS enclosure with 6-in woofer and 1½-in piezo tweeter. Power handling 30 W; FR 90-18,000 Hz; sens 84 dB; nom imp 8 ohms. 7¾ diameter x 10 in; 5 lb \$90

Summit Series**DA-1000 3-Way Speaker**

Vented design with 10-in downward-firing woofer, two 5-in midbasses, and ¾-in sonofoam-treated ferrofluid-cooled metallized-polycarbonate dome tweeter. Features magnetic shielding. Power handling 300 W; FR 30-25,000 Hz; sens 89 dB SPL/W/m; crossover points 110 and 3,500 Hz. Oak or black-ash vinyl finish \$1,100/pr

DA-900 3-Way Speaker

Vented design with 8-in downward-firing woofer, 5-in midbass, and ¾-in sonofoam-treated ferrofluid-cooled metallized-polycarbonate dome tweeter. Features magnetic shielding. Power handling 200 W; FR 40-25,000 Hz; sens 88 dB SPL/W/m; crossover points 130 and 3,500 Hz. Available with oak or black-ash vinyl finish \$800/pr

DA-800 3-Way Bookshelf Speaker

Vented design with 8-in downward-firing woofer, 5-in midbass, and ¾-in sonofoam-treated ferrofluid-cooled metallized-polycarbonate dome tweeter. Features magnetic shielding. Power handling 200 W; FR 47-22,000 Hz; sens 88 dB SPL/W/m; crossover points 150 and 4,000 Hz. Available with oak or black-ash vinyl finish \$600/pr

DESKTOP**DLS-3X Small Satellite/Subwoofer System**

2 satellites, each with 3¼-in cone woofer and ¾-in titanium tweeter, and 2 subwoofers, each with two 7-in drivers and two 8-in passive radiators. Power handling 200 W; FR 18-35,000 Hz ± 3 dB; sensitivity 87.5 dB SPL/W/m; impedance 4 ohms. Black or walnut finish \$2,399

DLS-2B Small Satellite/Subwoofer System

2 DM-1 satellites, each with 3¼-in cone woofer and ¾-in dome tweeter, and 2 subwoofers, each with 6½-in driver and two 8-in passive radiators. Power handling 250 W; FR 39-19,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 4.6 ohms. Black or walnut finish. Satellites: 7½ x 4½ x 3½ in. Subwoofer: 10 x 12½ x 8½ in; 38 lb \$899

DLS-1X Small Satellite/Subwoofer System

2 DM-1 satellites and 2 subwoofers, each with two 6½-in drivers. Power handling 175 W; FR 47-18,000 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 4.6 ohms. Rose gold finish. Satellites: 7½ x 4 x 3 in. Subwoofer: 5½ x 16 x 8 in; 29 lb \$799

DLS-1B Small Satellite/Subwoofer System

2 DM-1 satellites and subwoofer with two 6½-in drivers. Power handling 175 W; FR 47-18,000 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 4.6 ohms. Walnut, golden oak, or black finish. Satellites: 7½ x 4½ x 3½ in. Subwoofer: 5½ x 16 x 8 in; 28 lb \$649

DM-1 Intimate 2-Way Bookshelf Speaker

3¼-in cone woofer and ¾-in dome tweeter. Power handling 125 W; FR 175-18,000 Hz ± 3 dB; sens 85 dB SPL/W/m; imp 8 ohms. Walnut, golden oak, or black finish. 4½ x 7½ x 3½ in; 5 lb \$300/pr

DIGITAL PHASE**RS4631 2-Way Speaker**

Four 6½-in woofers and four 1-in ferrofluid-cooled aluminum-dome tweeters. Tweeter-level control. FR

S P E A K E R S

25-20,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Black ash vinyl finish. 16 x 48 x 17 $\frac{3}{4}$ in; 94 lb \$3,495/pr

RS2631 2-Way Speaker

Two 6 $\frac{1}{2}$ -in woofers and two 1-in ferrofluid-cooled aluminum-dome tweeters. Tweeter-level control. FR 28-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; nom imp 8 ohms; crossover point 5,000 Hz. Black-ash vinyl finish. 13 x 40 x 14 $\frac{1}{8}$ in; 57 lb \$1,895/pr

AP631 2-Way Speaker

6 $\frac{1}{2}$ -in woofer and 1-in ferrofluid-cooled aluminum-dome tweeter. Tweeter-level control. FR 30-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Black-ash vinyl finish. 10 $\frac{1}{2}$ x 36 x 11 $\frac{1}{8}$ in; 35 lb \$1,095/pr

SP631 2-Way Speaker

6 $\frac{1}{2}$ -in woofer and 1-in ferrofluid-cooled aluminum-dome tweeter. Tweeter-level control. FR 30-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Black vinyl \$995/pr

DISCWASHER

SM 400 Powered Mini Speaker

Features built-in amp; 3-band EQ; volume control; auto on/off \$46
SM 300. As above, without EQ or auto on/off \$30
SM 250. As above, single amp \$26
SM 200. As above, without volume control or on/off switch \$19.99

DYNACO

A-25 Series II 2-Way Speaker

9-in polypropylene woofer and 1-in soft-dome tweeter. Features patented stepped-baffle design to reduce grille reflections; ferrofluid-cooled drivers. Power handling 200 W rms; FR 30-20,000 Hz \pm 3 dB; sens 92 dB SPL/W/m. Hand-rubbed black- or natural-oak lacquer finish \$320

FL-650 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in polypropylene woofer with foam-edge surround and 1-in soft-dome tweeter. Features waterproof diaphragms. Power handling 100 W; FR 58-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Mounting hardware included. RIB-2 new construction bracket optional. Matte-white grilles and trim \$300/pr

Amazing Bass Subwoofer

Bass-reflex enclosure with 8-in driver. Features dual voice-coils. Power handling 100 W; FR 30-120 Hz \pm 3 dB; crossover point 100 Hz \$180

A-35 Type II 2-Way Speaker

Bass-reflex design with 8-in mica-filled polypropylene woofer and 3/4-in ferrofluid-cooled soft-dome tweeter. Gold-plated 5-way binding posts. Power handling 180 W; FR 35-20,000 Hz \pm 3 dB. Black- or medium-oak vinyl cabinets \$150

A-10 Type II 2-Way Speaker

4-in polypropylene woofer and 3/4-in ferrofluid-cooled titanium-dome tweeter. Power handling 75 W; FR 100-18,000 Hz \pm 3 dB \$120/pr

A-20 Type II 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in mica-filled polypropylene woofer and 3/4-in ferrofluid-cooled soft-dome tweeter. Gold-plated 5-way binding posts. Power handling 140 W; FR 45-20,000 Hz \pm 3 dB. Black- or medium-oak vinyl cabinets \$110

AW-1 Indoor/Outdoor 2-Way Speaker

Waterproof polypropylene woofer and hard-dome tweeter in sealed aluminum enclosure. Features anodized, weather-painted grille \$100/pr

A-15 Type II 2-Way Speaker

Bass-reflex design with 5 $\frac{1}{4}$ -in mica-filled polypropylene woofer and 3/4-in ferrofluid-cooled soft-dome

tweeter. Gold-plated 5-way binding posts. Power handling 90 W; FR 55-20,000 Hz \pm 3 dB. Black- or medium-oak vinyl cabinets \$90

EMINENT TECHNOLOGY

LFT-VI Planar Doublet Speaker

Single-diaphragm Linear Field Transducer. Diaphragm remains within constant magnetic-flux field over entire displacement range. Features push-pull operation; soft-foil/mylar diaphragm with thin traces and narrow gaps. 410-in-sq diaphragm; peak-to-peak displacement 0.3-in. Power handling 250 W max; FR 38-20,000 Hz \pm 4 dB; sens 83 dB SPL/W/m; imp 6 ohms. 18 x 78 x 2 in; 75 lb \$2,900/pr

LFT-VIII Planar Doublet Speaker

Single-diaphragm Linear Field Transducer and with 8-in woofer. Magnetic field remains constant as diaphragm moves between magnets. Features rigid steel frame; low-mass foil/mylar diaphragm. Power handling 200 W max; FR 180-10,000 Hz; sens 84 dB SPL/W/m; imp 8 ohms \$1,500/pr

ENERGY

SAS-15 Powered Subwoofer

15-in driver and 250-W power amp. Features variable servo and phase controls; audio or AV EQ switch. FR 18-150 Hz -3 dB. Black finish \$1,500

SAS-12. As above, 12-in driver, 175-W power amp. FR 20-150 Hz -3 dB. 18 x 18 x 22 in \$1,000

AS-12 Powered Subwoofer

12-in driver and 175-W power amp. Features dual ports on rear of cabinet; protection circuitry; level control with adjustable low-pass filter; audio or AV EQ switch. Black ash finish. 17 x 18 x 20 in \$750

AS-10. As above, 10-in driver and 90-W power amp. 17 x 16 x 16 in \$550

22 Series

Veritas v2.8 3-Way Speaker

Vented design with two 8-in woofers, 3-in metal-dome midrange, and 1-in metal-dome tweeter. Power handling 100 W min; FR 28-30,000 Hz; sens 85 dB SPL/W/m; imp 6 ohms max, 4 ohms min; crossover points 400 Hz and 2,500 Hz. Gray finish. 50 x 12 x 18 in; 140 lb \$5,000/pr

Veritas v1.8 3-Way Speaker

Vented design with two 8-in bass drivers, 3-in metal-dome midrange, and 1-in metal-dome tweeter. Power handling 75 W min; FR 30-30,000 Hz; sens 87 dB SPL/W/m; imp 6 ohms max, 4 ohms min; crossover points 400 Hz and 2,200 Hz. Gray finish. 45 x 12 x 18 in; 115 lb \$3,500

Model 22.3 2-Way Speaker

Front-vented design with Spherex-front baffle supporting two 6 $\frac{1}{2}$ -in woofers and 3/4-in dual-hyperdome tweeter. Biwire/blamp terminals; adjustable spiked feet. Power handling 150 W cont avg; frequency response 30-23,000 Hz; sens 87 dB SPL/W/m; imp 6 ohms. Walnut or black-ash-veneer finish. 10 x 40 x 16 in; 67 lb \$2,000/pr

Model 22.2 2-Way Speaker

Bass-reflex design with Spherex front baffle, 7-in quadcentric woofer, and 3/4-in dual-hyperdome tweeter. Biwire/blamp terminals. Power handling 125 W cont avg; frequency response 32-23,000 Hz; sens 86 dB SPL/W/m; imp 6 ohms. Includes spiked metal stand. Walnut or black-ash-veneer finish. 10 x 27 x 12 in; 45 lb \$1,400/pr

Model 22.1 2-Way Bookshelf Speaker

Front-vented design with spherex front baffle, 6 $\frac{1}{2}$ -in quadcentric woofer, and 3/4-in dual-hyperdome tweeter. Biwire/blamp terminals. Power handling 110 W cont avg; FR 40-23,000 Hz; sens 85 dB SPL/W/m; imp 6 ohms. Walnut or black-ash-veneer finish. 10 x 16 x 12 in; 27 lb \$1,000/pr

SST-21. 21-in metal stand for above \$120/pr

E-Series

The following, except Model .Te, feature a nonresonant baffle.

Model 4.1e 2-Way Speaker

Front-vented design with 7-in quadcentric woofer and 1-in tweeter. Power handling 100 W cont avg; FR 35-20,000 \pm 3 dB; sens 87 dB SPL/W/m; imp 6 ohms. Walnut or black-ash finish. Dimensions: 10 x 24 x 12 in \$850/pr

SST-13. 13-in metal stand for above \$120/pr

Model 4.1e 2-Way Speaker

Front-vented design with 7-in quadcentric woofer and 1-in tweeter. Power handling 100 W cont avg; FR 35-20,000 \pm 3 dB; sens 87 dB SPL/W/m; imp 6 ohms. Walnut or black-ash finish. 10 x 24 x 12 in \$850/pr

SST-13. 13-in metal stand for above \$120/pr

Model 3.1e 2-Way Bookshelf Speaker

Front-vented design featuring 8-in quadcentric woofer and 3/4-in tweeter. Power handling 100 W cont avg; FR 40-20,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 6 ohms. Walnut or black-ash finish. 10 x 19 x 10 in \$450/pr

SST-21. 21-in metal stand for above \$120/pr

ESAT-2 2-Way Satellite Speaker

Designed for surround applications. Magnetically shielded, acoustic-suspension design with 4 $\frac{1}{2}$ -in woofer and 3/4-in cloth-dome tweeter. Features sculpted Spherex baffle. Power handling 125 W rms; FR 140-22,000 Hz \pm 3 dB; sens 84 dB SPL/W/m; crossover point 2,500 Hz; nom imp 6 ohms; min imp 4 ohms. 5 x 8 x 5 in; 5 lb \$349/pr

API SST-25. 25-in metal stand for above \$130/pr

API Wall Mount Bracket

..... \$40/pr

Model ESUB-2 Energy Subwoofers

For use with surround applications. Magnetically shielded, 6th-order band-pass vented enclosure with 6 $\frac{1}{2}$ -in woofer. Power handling 125 W rms; FR 40-140 Hz \pm 3 dB; sens 84 dB SPL/W/m; crossover point 140 Hz; min imp 4 ohms. Black-ash vinyl finish. 8 x 12 x 14 in; 18 lb \$349/pr

Model 2.1e 2-Way Bookshelf Speaker

Front-vented design featuring 6 $\frac{1}{2}$ -in quadcentric woofer and 3/4-in tweeter. Power handling 80 W cont avg; FR 45-20,000 Hz \pm 3 dB; sens 86 dB SPL/W/m; imp 6 ohms. Walnut or black-ash finish. 10 x 16 x 10 in \$300/pr

SST-25. 25-in metal stand for above \$130/pr

Model .1e 2-Way Bookshelf Speaker

5 $\frac{1}{4}$ -in woofer and 3/4-in tweeter. Power handling 75 W cont avg; FR 55-20,000 Hz \pm 3 dB; sens 86 dB SPL/W/m; imp 6 ohms. Walnut or black finish. 8 x 13 x 8 in \$200/pr

SST-25. 25-in metal stand for above \$130/pr

ECC-1 Energy Center-Channel Speaker

For use with surround applications. Magnetically shielded, dual-vented design with two 4 $\frac{1}{2}$ -in woofers and 1/2-in polycarbonate dome tweeter on sloped baffle. Power handling 100 W rms; FR 60-22,000 Hz \pm 3 dB; sens 86 dB SPL/W/m; crossover point 2,500 Hz; imp 8 ohms. Black-ash vinyl finish. 6 x 20 x 8 in; 15 lb \$169

EPI

The following feature a black vinyl finish, a black grille, and a 5-year warranty.

Model 120 Series 3 3-Way Speaker

Tuned port design with 8-in woofer, 5-in midrange in separate internal enclosure, and 1-in patented air-spring tweeter. Power handling 120 W rms; sens 91 dB SPL/W/m; imp 8 ohms. 10 $\frac{7}{8}$ x 30 x 9 $\frac{1}{2}$ in; 26 lb \$400/pr

Model 100 Series 3 2-Way Bookshelf Speaker

Tuned port design with 8-in woofer and 1-in patented air-spring tweeter. Power handling 80 W rms; sens

S P E A K E R S

90.5 dB SPL/W/m; imp 8 ohms. 11 $\frac{7}{8}$ x 20 x 9 $\frac{1}{2}$ in; 19 lb \$300/pr

Model 70 Series 3 2-Way Speaker

6 $\frac{1}{2}$ -in woofer and 2-in patented air-spring tweeter. Power handling 60 W rms; sens 89.5 dB SPL/W/m; imp 8 ohms. 10 x 15 x 7 in; 12 lb \$200/pr

EPIK

Epik Coherent Powered Sub/Satellite System

Two transmission-line subwoofer with two 10-in cast-frame Kevlar drivers, 2 satellites, each with two 6 $\frac{1}{2}$ -in midbasses and ceramic tweeter, and 300-W amp. Satellite pass band of 100-25,000 Hz; Edison amp connectors. Satellite: 15 x 52 x 13 in; 230 lb. Sub-woofer: 20 x 36 x 36 in; 35 lb \$11,500
One subwoofer \$8,500

Ultima X 2-Way Speaker

Transmission-line loading. Features ceramic tweeter, Biwire terminals. Power handling 200 W; FR 34-27,000 Hz ± 1.5 , -3 dB; crossover point 2,500 Hz; sens 88 dB SPL/W/m; imp 10 ohms. 13 $\frac{1}{2}$ x 43 x 15 in; 110 lb \$4,995/pr

Epik Monitor Jr. 2-Way Bookshelf Speaker

Transmission-line design with layered enclosure. Cast frame, Kevlar-sandwich midbass and tweeter. FR 35-21,000 Hz. 14 x 45 x 14 in; 105 lb ... \$1,750/pr

Epik Micro Monitor 2-Way Speaker

Aperiodic-loading polypropylene diaphragm for phase-coherent response. Walnut finish ... \$895/pr
Ash or oak finish \$750/pr

EPOS

ES 14 2-Way Speaker

8-in woofer and aluminum tweeter. No crossover; natural woofer rolloff at 2,000 Hz. Black-ash or walnut veneer finish. 8 x 19 $\frac{1}{2}$ x 11 $\frac{1}{2}$ in \$1,295/pr
Matching stands \$250/pr

ES 11 2-Way Speaker

6 $\frac{5}{8}$ -in polypropylene woofer and aluminum-dome tweeter. Power handling 75 W; FR 60-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Black-ash or walnut veneer finish. 8 x 15 x 10 in; 18 lb ... \$850/pr
Matching stands \$200/pr

ESS

AMT-Monitor 2-Way Speaker

12-in passive radiator, 12-in cone woofer, and Heil air-motion transformer tweeter with Mylar diaphragm. Power handling 400 W cont avg; FR 28-23,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 6 ohms. Black walnut finish. 15 $\frac{3}{4}$ x 39 $\frac{1}{4}$ x 15 $\frac{3}{4}$ in; 110 lb \$1,298/pr

AMT 1D 2-Way Speaker

12-in passive radiator, 12-in polypropylene woofer, and Heil air-motion tweeter with Mylar diaphragm. Power handling 400 W; FR 28-23,000 Hz ± 3 dB; crossover point 800 Hz; imp 6 ohms; sens 91 dB SPL/W/m. Black-walnut finish \$1,198/pr

Performance Series

PS-1210 3-Way Speaker

Passive-radiator design with 12-in woofer, 4-in midrange with hi-temp voice coil, and Heil air-motion tweeter. Power handling 200 W cont avg; FR 28-23,000 Hz ± 3 dB; sens 93 dB SPL/W/m; imp 6 ohms. Matte black finish. 12 x 34 x 14 $\frac{1}{4}$ in; 65 lb ... \$598/pr

PS-1010 2-Way Speaker

Passive-radiator design with 10-in woofer and Heil air-motion tweeter. Power handling 150 W cont avg; FR 32-23,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 6 ohms. Matte black finish. 14 x 25 x 13 in; 44 lb \$498/pr

PS-920 2-Way Bookshelf Speaker

Passive-radiator design with 8-in woofer and Heil air-motion tweeter. Power handling 125 W cont avg; FR

38-23,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 6 ohms. Matte black finish. 11 $\frac{1}{2}$ x 22 x 11 in; 37 lb \$438/pr

PS-810 2-Way Bookshelf Speaker

Passive-radiator design with 6-in woofer and Heil air-motion tweeter. Power handling 100 W cont avg; sens 89 dB SPL/W/m; imp 6 ohms. Matte black finish. 9 $\frac{1}{2}$ x 17 $\frac{3}{8}$ x 9 $\frac{1}{2}$ in; 27 lb \$358/pr

PS-610 2-Way Bookshelf Speaker

5 $\frac{1}{4}$ -in woofer, rear-mounted 5-in passive radiator, and 1 $\frac{1}{4}$ -in soft-dome tweeter. Power handling 60 W cont avg; FR 60-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Matte black finish. 7 $\frac{1}{2}$ x 12 x 7 in; 16.5 lb \$160/pr

Mini Monitor PS 620 2-Way Bookshelf Speaker

5 $\frac{1}{4}$ -in woofer, 5-in passive radiator, and 1 $\frac{1}{4}$ -in dome tweeter. Power handling 60 W cont avg; FR 60-20,000 Hz ± 4 dB; sens 87 dB SPL/W/m; imp 8 ohms. Oiled walnut-veneer finish. 7 x 12 x 7 $\frac{1}{2}$ in; 16 $\frac{1}{2}$ lb \$160/pr

E Series

The following feature woofers with butyl-rubber surrounds and gold-plated 5-way binding posts.

E-80 3-Way Speaker

Bass-reflex design with two 8-in woofers with aluminum voice coils, 5-in midrange, and dome tweeter. Features 1-in midrange and tweeter voice coils. Power handling 120 W rms; FR 40-22,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 4 ohms; crossover points 1,000 Hz and 3,800 Hz. Black-ash veneer finish. 12 x 37 $\frac{1}{2}$ x 12 in; 54 lb \$518/pr

E-10/E-200 SW Subwoofer/Satellite System

Dual vented-chamber subwoofer with two 8-in drivers with aluminum voice coils, and 2 satellites, each with 5 $\frac{1}{4}$ -in woofer and 1-in dome tweeter. Power handling 100 W; FR 40-20,000 Hz ± 3 dB; imp 4 ohms. Black-ash finish. Satellite: 7 $\frac{1}{2}$ x 12 $\frac{1}{2}$ x 7 $\frac{1}{4}$ in; 12 lb. Sub: 11 $\frac{1}{4}$ x 28 x 12 in; 40 lb \$419

E-60 3-Way Speaker

Passive-radiator design with one 8-in woofer with aluminum voice coil, 8-in rear-firing passive radiator, 4-in midrange, and 1-in dome tweeter. Power handling 110 W; FR 40-20,000 Hz ± 3 dB; imp 4 ohms; crossover points 1,400 Hz and 4,000 Hz. Black-ash finish. 11 $\frac{1}{4}$ x 25 $\frac{3}{4}$ x 12 in; 34 lb \$418/pr

E-40 2-Way Speaker

Front vented design featuring two 6 $\frac{1}{2}$ -in woofers with aluminum voice coil and 1-in dome tweeter. Power handling 120 W; FR 50-20,000 Hz ± 3 dB; imp 4 ohms; crossover point 4,000 Hz. Black-ash finish. 9 $\frac{1}{2}$ x 26 x 10 in; 30 lb \$338/pr

E-30 2-Way Speaker

Front vented design featuring one 8-in woofer with aluminum voice coil and 1-in dome tweeter. Power handling 110 W; FR 40-20,000 Hz ± 3 dB; imp 4 ohms; crossover point 3,600 Hz. Black-ash finish. 11 $\frac{1}{4}$ x 19 $\frac{1}{2}$ x 10 $\frac{3}{4}$ in; 26 lb \$278/pr

E-20 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in woofer with aluminum voice coil and 1-in dome tweeter. Power handling 90 W; FR 50-20,000 Hz ± 3 dB; imp 4 ohms; crossover point 3,500 Hz. Black-ash finish. 9 $\frac{1}{2}$ x 14 $\frac{1}{2}$ x 9 $\frac{1}{2}$ in; 18 lb \$218/pr

ESSENCE

The following feature a 5-year warranty.

Amethyst 10A 5-Way Speaker

Transmission-line design with 11-in woofer, one 6-in and 1 $\frac{1}{2}$ -in midrange each, and one 1-in and 3 $\frac{1}{4}$ -in tweeter each. Butterworth filter; adjustable geometry. Power handling 300 W; frequency response 24-23,000 Hz ± 3 dB; crossover points 80, 1,000, 2,000, and 6,500 Hz; sensitivity 89 dB SPL/W/m; impedance

8 ohms. 12 standard finishes. Price depends on finish. 15 x 51 x 25 in; 240 lb ... \$14,850-\$23,500/pr

Reference Subwoofer

Transmission-line design with two 11-in woofers. Power handling 500 W; FR 16-100 Hz ± 1 dB; variable crossover point with 6-dB/oct slope; sens 89 dB; imp 4 ohms. 12 standard finishes. Price depends on finish. 16 x 72 x 16 in; 320 lb ... \$14,850-\$23,500/pr

Sardonyx 3-Way Speaker

Transmission-line design with 8-in carbon fiber woofer, 5-in composite midrange, and 1-in textile-dome tweeter. Butterworth filter. Power handling 200 W; FR 26-23,000 Hz ± 3 dB; crossover points 150 and 2,000 Hz; sens 89 dB; imp 8 ohms. Adjustable geometry. 14 x 52 x 16 in; 85 lb \$4,850/pr

Super Gem 2-Way Speaker

Transmission-line design with 6 $\frac{1}{2}$ -in woofer and 1-in tweeter. Butterworth filter. Power handling 200 W; FR 34-21,000 Hz ± 3 dB; crossover point 2,000 Hz; sens 89 dB. 8 standard finishes. 10 x 23 x 15 in; 52 lb \$1,850/pr

Gem 2-Way Speaker

Wool-damped transmission-line design with 6 $\frac{1}{2}$ -in carbon-fiber woofer and 1-in textile-dome tweeter. Butterworth filter; OFHC air-core inductors and polypropylene capacitors. Power handling 200 W; FR 38-21,000 Hz; crossover point 2,000 Hz; sens 89 dB; imp 4 ohms. 8 standard finishes. 10 x 23 x 13 in; 34 lb \$985/pr

FISHER

ST-415 3-Way Speaker

Bass-reflex design with 15-in woofer, 4-in ferrofluid-cooled midrange, and 3-in ferrofluid-cooled tweeter. Features auto-reset circuit breaker; offset grille. Power handling 120 W max; FR 40-20,000 Hz; sens 92 dB W/m; imp 8 ohms. 39 lb \$200

ST-412 3-Way Speaker

Bass-reflex design with 12-in woofer, 4-in ferrofluid midrange, and 3-in ferrofluid-cooled tweeter. Features auto-reset circuit breaker. Power handling 100 W max; FR 45-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 27 lb \$150

ST-410 3-Way Speaker

Bass-reflex design with 10-in woofer, 4-in midrange, and 3 in tweeter. Features auto-reset circuit breaker. Power handling 60 W max; FR 45-20,000 Hz; sens 90 dB W/m; imp 8 ohms. 21 lb \$100

WS-638S Full-Range Speaker

Acoustic-suspension design with 5 $\frac{1}{2}$ -in full-range driver. Power handling 30 W. 10 x 8 x 5 $\frac{7}{8}$ in ... \$30

FMS

FMS Studio-2 2-Way Speaker

Aperiodic design with 8-in polymer-cone woofer and 1 $\frac{1}{8}$ -in dome tweeter. Power handling 200 W; FR 42-22,000 Hz ± 2 dB; sens 89 dB SPL/W/m; imp 5 ohms; crossover point 1,800 Hz. 12 x 25 x 13 $\frac{1}{2}$ in; 70 lb \$5,500/pr

FOCUS

High-Definition 2-Way Speaker

8-in woofer and 1 $\frac{1}{4}$ -in tweeter. Features phase-aligned drivers in separate sub-enclosures. 14-layer epoxy pulp, internally braced cabinet; solid-oak end pieces. Power handling 200 W cont avg; FR 32-20,000 Hz ± 2 dB; sens 89 dB SPL/W/m; imp 8 ohms. 12 x 47 x 12 in \$1,450/pr

Model .7 2-Way Speaker

Contoured-port design with 8-in woofer and 1-in dome tweeter. Features computer-matched time-alignment; epoxy pulp, internally braced cabinet. FR 37-19,000 Hz ± 2 dB; imp 8 ohms; power handling 150 W cont avg; sens 90 dB SPL/W/m. 12 x 28 x 12 in;

S P E A K E R S

37 lb \$880/pr
 Matching stands \$195/pr

Model 5 2-Way Speaker

Bookshelf design with 8-in woofer and 1-in dome tweeter in epoxy pulp cabinet. FR 45-20,000 Hz \pm 3 dB; nom imp 8 ohms; power handling 150 W cont avg; sens 90 dB SPL/W/m \$650/pr

FOSGATE-AUDIONICS

THX-Certified Series

The following system and components can be purchased as a complete package for \$8,500.

MC220 Surround Speaker System

3 satellites, each featuring 2nd-order crossover with 2 midbasses and 2 tweeters; 3rd satellite for center-channel. For use with FS200 subwoofer via active crossover or THX-certified processor/controller. FR 60-22,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 4 ohms. 10 1/2 x 24 x 14 in; 40 lb \$4,800

SD180 Surround Speaker

Dipole, THX-certified design. Wall mountable. FR 80-18,000 Hz \pm 2 dB; sens 90 dB SPL/W/m. 14 x 22 x 8 1/2 in; 23 lb \$1,850/pr

FS400 Subwoofer

Subwoofer with 14-in driver. FR 20-80 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 8 ohms. 24 x 24 x 13 1/2 in; 85 lb \$950

Architectural Speakers

AS-802 2-Way In-Wall Speaker

Sealed, flush-mount speaker with 8-in polypropylene woofer and 1-in ferrofluid-cooled soft-dome tweeter. Designed for center-channel or full-system applications. Features crossover with air-core inductor, 250-V, low-loss film capacitors, and 18-dB/oct slope. Tweeter-level control. FR 40-22,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms \$995/pr

DS-802. Free-standing version of above. Black-lacquered-oak, natural-oak, or walnut finish. 10 1/2 x 19 x 12 in; 25 lb \$695/pr

LF-212 Subwoofer

12-in polypropylene woofer with dual voice coils. Bypassable crossover. FR 22-100 Hz; imp 4 ohms. 18 x 20 x 18 in; 48 lb \$595

AS-602 2-Way In-Wall Speaker

6 1/4-in polypropylene woofer/midrange and 1-in soft-dome tweeter. Crossover with air-core inductors. Auto-reset tweeter protection. Power handling 100 W; FR 75-22,000 Hz. 8 1/2 x 12 x 2 3/4 in \$299/pr

AS-502 2-Way In-Wall Speaker

5 1/4-in polypropylene woofer and 3/4-in Mylar-dome tweeter. Designed for surround and extension applications; weather resistant. Power handling 75 W; FR 85-18,000 Hz. 7 1/2 x 11 x 2 1/2 in \$229/pr

FRIED

D/2 Subwoofer/Satellite System

2 pyramid-shaped satellites with 6 1/2-in full transmission-line-loaded woofer and 3/4-in dome tweeter; column style, transmission-line cabinet with 8-in dual-voice-coil subwoofer. Fuse protection. Power handling 250 W cont avg; FR 18-22,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Oak or walnut finish. Satellite: 10 1/2 x 13 1/2 x 15 1/2 in. Subwoofer: 10 1/2 x 36 x 15 1/2 in \$4,490

D/2 Subwoofer. As above, without satellite. Power handling 200 W cont avg. Oak or walnut finish. 10 1/2 x 36 x 15 1/2 in \$2,746/pr
 Kit form \$750

O/4 Subwoofer Kit. As D/2, with 10-in driver. FR 18 Hz \pm 3 dB. 13 1/2 x 36 x 23 in \$875

G/3 3-Way Speaker

Transmission-line design with 10-in polypropylene woofer, 6 1/2-in midrange, and 3/4-in dome tweeter.

Series crossover networks and duocone drivers. Power handling 200 W cont avg; FR 23-22,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. Walnut or oak finish. 16 x 44 x 18 in; 100 lb \$3,090/pr

Studio 5 3-Way Speaker

Transmission-line design with 8-in polypropylene woofer with vented pole piece, 6 1/2-in polypropylene midrange with vented pole piece, and 3/4-in dome tweeter. Power handling 250 W cont avg; FR 20-22,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. 12 x 38 x 18 in; 70 lb \$2,750/pr

C/3-L 2-Way Speaker

Pyramid-shaped cabinet with 6 1/2-in transmission-line-loaded woofer and 3/4-in dome tweeter. Series networks. Power handling 250 W cont avg; FR 60-22,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. Oak or walnut finish. 10 1/2 x 13 1/2 x 15 1/2 in; 20 lb \$1,744/pr
C/3-L Kit. As above, kit form \$512

R/4 3-Way Speaker

10-in polypropylene woofer with vented pole piece, 5 1/4-in polypropylene midrange with vented pole piece, and 1-in dome ferrofluid-damped tweeter. Features tilt-back pedestal. Power handling 200 W cont avg; FR 32-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. 12 x 32 x 10 1/2 in; 56 lb \$1,196/pr

A/3a 2-Way Speaker

Vented design 8-in polypropylene woofer and 1-in dome tweeter. Multi-layer damping. Power handling 100 W cont avg; FR 32-20,000 Hz \pm 3 dB; imp 8 ohms; sens 89 dB SPL/W/m. Walnut-veneer finish. 13 x 23 x 10 1/2 in \$718/pr

Q/4 2-Way Speaker

Vented design 8-in polypropylene woofer and 1-in dome tweeter. Multi-layer damping. Power handling 100 W cont avg; FR 37-20,000 Hz \pm 3 dB; imp 8 ohms; sens 89 dB SPL/W/m. Walnut or black-ash vinyl. 10 3/4 x 20 x 9 in \$518/pr

Beta IV 2-Way Bookshelf Speaker

Vented design with 6 1/2-in polypropylene woofer and composite 2-in cone and 3/8-in dome tweeters. Series crossover. Available in walnut or black-ash finish. 8 x 13 1/2 x 8 in \$390/pr

GENESIS

Genesis III 5-Way Speaker

Two 8-in polypropylene woofers, two 3-in titanium/silicon carbide midranges, and 1-in planar ribbon tweeter. Power handling 800 W max; FR 32-34,000 Hz \pm 3 dB; crossover points 70, 250, 850, and 4,200 Hz; sens 87 dB SPL/W/m; imp 4 ohms. Lacquered wood finish. 19 1/2 x 5 1/2 x 16 1/2 in; 145 lb \$6,000
Genesis III. As above, piano-black finish \$5,800

IM-8300FW 3-Way Speaker

8-in polypropylene woofer, 3-in titanium/silicon carbide midrange, and 1-in planar ribbon tweeter. Power handling 400 W max; FR 44-34,000 Hz; crossover points 560 and 4,100 Hz; sens 87 dB SPL/W/m; imp 4 ohms. Italian rosewood finish. 75 lb \$2,700
IM-8300F. As above, piano-black finish \$2,500
IM-8300. As 8300F, bookshelf version \$1,900

IM-8200FW 2-Way Speaker

1-in planar ribbon tweeter and 8-in polypropylene woofer. Power handling 400 W max; FR 52-34,000 Hz; crossover point 3,600 Hz; sens 86 dB SPL/W/m; imp 4 ohms. Italian rosewood finish. 60 lb \$2,000
IM-8200F. As above, piano-black finish \$1,800
IM-8200. As 8200F, bookshelf version \$1,300

Servo-12 Subwoofer

12-in polypropylene/Kevlar driver with 275-W power amp. Features balanced differential inputs; continuously-variable phase (0° to 180°) and crossover (40-160 Hz) adjustments. Power handling 275 W; distortion 0.2% \$1,695
Servo-10. As above, 10-in driver, 150-W amp \$895

IM-5200 2-Way Speaker

1-in planar ribbon tweeter and 5-in polypropylene woofer. Power handling 200 W max; FR 77-34,000 Hz; crossover point 3,700 Hz; sens 85 dB SPL/W/m; imp 4 ohms. Piano-black finish. 80 lb \$900

Genre 2-Way Speaker

1-in ribbon tweeter and 6 1/2-in woofer. FR 40-32,000 Hz \pm 2 dB. Black ash finish \$800

GEODES

GEODE-Epic 2-Way Bookshelf Speaker

8-in woofer with rubber surround and 1-in cloth-dome tweeter. FR 40-20,000 Hz \pm 3 dB; sens 91 dB; max SPL 108 dB; imp 6 ohms; crossover point 3,200 Hz. Black-oak or golden-oak finish. 19 x 12 x 10 in; 27 lb \$499/pr

GEODE-Pulse 2-Way Bookshelf Speaker

6 1/2-in woofer with rubber surround and 1-in cloth-dome tweeter. FR 47-20,000 Hz \pm 3 dB; sens 90 dB; max SPL 108 dB; imp 6 ohms; crossover point 3,200 Hz. Black-oak or golden-oak finish. 16 x 10 x 8 in; 19 lb \$349/pr

GNP

The following are available with an oak, walnut, or black finish.

Valkyrie 4-Way Speaker

Sealed design with two 6 1/2-in woofers, 2-in dome midrange, and 1-in dome tweeter. Features level controls for midrange and tweeter. Power handling 50 W min; FR 34-24,000 Hz \pm 3 dB; sens 90 SPL/W/m; imp 12 ohms; crossover points 125, 800, and 3,000 Hz. 12 x 48 1/2 x 14 1/2 in; 48 lb \$1,995/pr

Model 25 3-Way Speaker

Sealed design with 6 1/2-in woofer, 2-in dome midrange, and 1-in dome tweeter. FR 58-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 800, 3,000 Hz. 9 x 18 x 8 1/2 in; 24 lb \$799/pr

Model 10 2-Way Speaker

Sealed design with 6 1/2-in woofer and 1-in dome tweeter. Tweeter-level control. FR 68-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. 8 x 12 x 7 in; 15 lb \$399/pr

Model 5 2-Way Speaker

Sealed design with 5 1/4-in cone woofer and 1-in dome tweeter. Features tweeter-level control. FR 100-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz \$299/pr

Subwoofers

Model 2 Subwoofer

Sealed design with two 6 1/2-in woofers. Power handling 30 W min; FR 34-125 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 12 ohms; crossover point 125 Hz. 12 x 25 x 14 1/4 in; 48 lb \$600/pr

Model 1 Subwoofer

Sealed design with 8-in woofer. Power handling 20 W min; FR 40-125 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 4 ohms; crossover point 125 Hz. 12 x 25 x 11 1/2 in; 36 lb \$450/pr

GOLDMUND

The following feature a 3-year parts-and-labor warranty.

Apologue Speaker System

Limited production system (300) with 5 enclosures per ch. Features 4-level, 700-element passive crossovers; electronically time-aligned drivers; pseudo-infinite-baffle design that cancels more than 98% of back-radiated energy; mechanical grounding system; biamp terminals. Min power 100 W; sens 100 dB. Black lacquer finish. 32 7/8 x 72 1/4 x 44 7/8 in; 1,437 lb \$75,000/pr

S P E A K E R S

Super-Dialogue 3-Way Speaker

10-in double-magnet woofer, 7-in double-magnet midrange, glass-fiber inverted-dome tweeter. Mechanical grounding to reduce vibration; Internal crossover; electronic component storage area. Power handling 100 W max; sens 96 dB SPL/W/m; Imp 4-6 ohms. Removable lacquer-finish panels. 15 x 48 x 18 1/2 in; 150 lb \$12,000/pr

GOLD SOUND

The following kits include speaker components, crossovers, and assembly instructions. Gold Sound kits are available through mail order and have a 30-day money-back guarantee and a 2-year limited warranty. JBL kit parts have a 5-year warranty. Cabinets are oak veneer on MDF.

Model 14 4-Way Speaker Kit

All JBL, vented design with 18-in woofer, 10-in mid-bass, titanium-horn midrange, and biradial-horn tweeter. Separate midrange and tweeter controls. FR 25-21,000 Hz \pm 3 dB; sens 95 dB; crossover points 150, 1,200, and 5,000 Hz \$2,700/pr
With 29 x 46 x 19 in cabinet \$3,570/pr

Model 11 3-Way Speaker Kit

All JBL drivers: 15-in woofer, 8-in midrange, and biradial-horn tweeter. Features level controls for upper drivers. Power handling 300 W cont avg; sens 93 dB SPL/W/m; crossover points 200 and 5,000 Hz; Imp 8 ohms; horizontal and vertical dispersion 100° at 20,000 Hz \$1,540/pr
With 18 x 44 x 14 in cabinet \$2,070/pr

Model 10 3-Way Speaker Kit

Vented design with 15-in JBL woofer, 8-in midrange, and dome tweeter. Power handling 300 W cont avg; FR 28-25,000 Hz \pm 3 dB; sens 93 dB SPL/W/m; crossover points 300, 5,000 Hz; Imp 8 ohms \$1,400/pr
With 18 x 44 x 14 in cabinet \$1,970/pr

Model 9PRO+ 3-Way Speaker Kit

15-in JBL woofer, 7-in cast-frame midrange, and ferrofluid-cooled horn tweeter. Power handling 600 W; FR 49-20,000 Hz \pm 3 dB; sens 97 dB SPL/W/m; max SPL 125 dB; crossover points 300 and 5,000 Hz; Imp 8 ohms \$999/pr
With 28 x 16 x 14 in cabinet \$1,298/pr

Model 9PRO 3-Way Speaker Kit

15-in JBL woofer, 6 1/2-in cast-frame midrange, and ferrofluid-cooled linen-dome tweeter. Power handling 300 W; FR 35-20,000 Hz \pm 3 dB; sensitivity 93 dB SPL/W/m; crossover points 300 and 5,000 Hz; Imp 8 ohms \$999/pr
With 16 x 28 x 14 in cabinet \$1,298/pr

Model 8 4-Way Speaker Kit

Two 12-in woofers, two Dynaudio midranges, and linen-dome tweeter. Power handling 600 W cont; frequency response 28-25,000 Hz \pm 3 dB; sens 98 dB SPL/W/m; crossover points 60, 200, and 4,000 Hz; Imp 8 ohms \$999/pr
With 18 x 44 x 17 in cabinet \$1,569/pr

Model 7 3-Way Speaker Kit

Two 12-in polypropylene woofers, 6 1/2-in cast-frame midrange, 1-in dome tweeter, and ribbon supertweeter. Power handling 400 W cont; FR 28-40,000 Hz; sens 95 dB SPL/W/m; crossover points 50, 300, and 2,000 Hz; Imp 4/8 ohms \$929/pr
With 18 x 44 x 14 in cabinet \$1,499/pr

Model 9 3-Way Speaker Kit

15-in woofer, 6 1/2-in midrange, and ferrofluid-cooled linen-dome tweeter. Power handling 200 W; FR 39-20,000 Hz \pm 3 dB; sens 93 dB SPL/W/m; crossover points 300 and 5,000 Hz; Imp 4/8 ohms \$699/pr
With 16 x 28 x 14 in cabinet \$998/pr

Model 5 3-Way Speaker Kit

Two 12-in woofers, two symmetrical 6 1/2-in cast midranges, and aluminum tweeter. Power handling 200 W cont; FR 36-25,000 Hz; sens 93 dB SPL/W/m;

crossover points 70, 250, and 3,000 Hz; Imp 4/8 ohms \$629/pr
With 14 x 37 x 11 in cabinet \$959/pr

Model 4 3-Way Speaker Kit

12-in polypropylene dual-voice-coil woofer, two 6 1/2-in polypropylene midranges, and ferrofluid-cooled 1-in dome tweeter. Power handling 200 W cont; FR 36-25,000 Hz \pm 3 dB; sens 93 SPL/W/m; crossover points 70, 250, and 3,000 Hz; Imp 4/8 ohms \$569/pr
With 14 x 37 x 11 in cabinet \$899/pr

Model 6 3-Way Speaker Kit

8-in polypropylene woofer, 4 1/2-in polypropylene midrange, and ferrofluid-cooled linen-dome tweeter. Power handling 300 W cont; FR 32-30,000 Hz; sens 92 dB SPL/W/m; crossover points 60, 300, and 3,000 Hz; Imp 4/8 ohms \$549/pr
With 14 x 45 x 11 in cabinet \$989/pr

Model 3 3-Way Speaker Kit

12-in polypropylene woofer, 5 1/4-in polypropylene midrange, and 1-in dome tweeter. FR 38-30,000 Hz \pm 3 dB; sens 93 SPL/W/m; power handling 200 W cont; crossover points 80, 200, and 4,000 Hz; Imp 4/8 ohms \$499/pr
With 14 x 25 x 11 in cabinet \$729/pr

Model C 2-Way Speaker Kit

Two Dynaudio 6-in woofers and 1-in ferrofluid-cooled linen-dome tweeter. Power handling 300 W cont; sens 93 dB SPL/W/m; crossover point 3,000 Hz; Imp 4/8 ohms \$449/pr
With 12 x 19 x 10 in cabinet \$584/pr

Model 2 3-Way Speaker Kit

8-in polypropylene woofer, 4-in midrange, and ferrofluid-cooled titanium-dome tweeter. Power handling 100 W cont; FR 39-25,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; crossover points 90, 200, and 4,000 Hz; Imp 4/8 ohms \$449/pr
With 12 x 19 x 10 in cabinet \$584/pr

Model B 2-Way Speaker Kit

Sealed design with 6 1/2-in Dynaudio woofer and 1-in ferrofluid-cooled linen-dome tweeter. FR 58-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; crossover point 3,000 Hz; Imp 4/8 ohms \$299/pr
With 10 x 16 x 8 in cabinet \$399/pr

Model A 2-Way Speaker Kit

Sealed design with 5 1/4-in Dynaudio woofer and 3/4-in Dynaudio ferrofluid-cooled dome tweeter. Power handling 130 W cont; FR 72-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; crossover point 3,000 Hz; Imp 4/8 ohms \$283/pr
With 8 x 12 x 7 in cabinet \$368/pr

Model .8 2-Way Speaker Kit

Sealed design with two 4-in polypropylene woofers and 1-in ferrofluid-cooled dome tweeter. Power handling 100 W; FR 62-20,000 Hz; sens 89 dB SPL/W/m; crossover 3,000 Hz; Imp 4/8 ohms \$249/pr
With 8 x 16 x 7 in cabinet \$354/pr

Model 1 2-Way Speaker Kit

8-in polypropylene woofer and 2-in ferrofluid-cooled tweeter. Power handling 100 W cont; FR 41-20,000 Hz \pm 3 dB; sens 93 dB SPL/W/m; crossover point 3,000 Hz; Imp 8 ohms \$149/pr
With 12 x 19 x 10 in cabinet \$274/pr

Model .6 2-Way Speaker Kit

Sealed design with 6 1/2-in polypropylene woofer and 1-in ferrofluid-cooled dome tweeter. Power handling 60 W; FR 58-20,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; crossover 3,000 Hz; Imp 4/8 ohms \$129/pr
With 10 x 16 x 7 in cabinet \$229/pr

Model .2 2-Way Speaker Kit

Sealed design with 5 1/4-in polypropylene woofer and 3/4-in ferrofluid-cooled dome tweeter. Power handling 60 W cont; FR 68-20,000 Hz; sens 91 dB SPL/W/m; crossover 3,000 Hz; Imp 4/8 ohms \$99/pr
With 8 x 12 x 7 in cabinet \$184/pr

Subwoofer Kits

18-Inch Subwoofer Kit

Compound-loading design with two 18-in JBL drivers. Power handling 1,200 W cont; FR 23-200 Hz \pm 3 dB; sens 92 dB SPL/W/m \$784
With adjustable 24-dB/oct crossover \$1,192

15-Inch Subwoofer Kit

Compound-loading design with two 15-in JBL drivers. Power handling 600 W cont; FR 23-200 Hz \pm 3 dB; sens 90 dB SPL/W/m; Imp 8 ohms \$488
18 x 44 x 14 in cabinet for above \$249
With 24-dB/oct active crossover \$859

18-Inch Subwoofer Kit

8-in JBL driver. Power handling 300 W cont; FR 24-150 Hz \pm 3 dB; sens 95 dB SPL/W/m \$409

15-Inch Subwoofer Kit

15-in JBL cast-frame driver. Power handling 300 W cont; FR 33-150 Hz \pm 3 dB; sens 93 dB SPL/W/m; Imp 4/8 ohms \$259
With 18 x 44 x 14 in cabinet \$498

12-Inch Subwoofer Kit

12-in dual-voice-coil driver. Power handling 120 W; FR 34-200 Hz; sens 92 dB SPL/W/m \$199
With 18 x 18 x 16 in cabinet \$299

12-Inch Subwoofer Kit

Compound-loading design with two 12-in drivers and 150-Hz passive crossover. Power handling 300 W cont; FR 25-200 Hz \pm 3 dB; sens 89 dB SPL/W/m; Imp 4/8 ohms \$189
With 18 x 18 x 16 in cabinet \$449

AV Series

The following are magnetically shielded. In-wall cabinets are optional.

CAV 2-Way Speaker Kit

Two 6 1/2-in Dynaudio polypropylene woofers and 1-in ferrofluid-cooled dome tweeter. Power handling 300 W rms; FR 58-20,000 Hz; sens 92 dB SPL/W/m; crossover point 3,000 Hz; Imp 4 ohms \$529/pr
With 16 x 20 x 4 in cabinet \$699/pr

BAV 2-Way Speaker Kit

6 1/2-in Dynaudio polypropylene woofer and 1-in ferrofluid-cooled dome tweeter. Power handling 150 W rms; FR 58-20,000 Hz; sens 89 dB SPL/W/m; crossover point 3,000 Hz; Imp 4/8 ohms \$289/pr
With 16 x 20 x 4 in cabinet \$399/pr

AV Stereo Subwoofer Kit

Two 10-in drivers. Power handling 360 W; FR 26-200 Hz; sens 92 dB SPL/W/m; Imp 8 ohms \$249
With 44 x 18 x 17 oak-veneer cabinet \$499
12-dB passive crossover for above \$89

Model .9AV 2-Way Speaker Kit

Two 5 1/4-in polypropylene woofers and 1-in ferrofluid-cooled dome tweeter. Power handling 140 W; FR 41-20,000 Hz; sens 92 dB SPL/W/m; crossover point 3,000 Hz; Imp 4 ohms \$239/pr
With 16 x 20 x 4 in cabinet \$359/pr

Model .6AV 2-Way Speaker Kit

6 1/2-in polypropylene woofer and 1-in ferrofluid-cooled dome tweeter. Power handling 80 W; FR 44-20,000 Hz; sens 89 dB SPL/W/m; crossover point 3,000 Hz; Imp 8 ohms \$169/pr
With 16 x 20 x 4 in cabinet \$289/pr

Model .2AV 2-Way Speaker Kit

5 1/4-in polypropylene woofer and 3/4-in ferrofluid-cooled dome tweeter. Power handling 70 W; FR 49-20,000 Hz; sens 88 dB SPL/W/m; crossover point 3,000 Hz; Imp 8 ohms \$129/pr
With 12 x 16 x 4 in cabinet \$229/pr

AV Mono Subwoofer Kit

10-in driver. Power handling 180 W; FR 28-200 Hz; sens 89 dB SPL/W/m; Imp 8 ohms \$129

S P E A K E R S

With 28 x 16 x 14 in oak-veneer cabinet \$299
Passive 12-dB/oct crossover for above \$89

In-Wall Series

The following feature flush-mount design, water-resistant polypropylene cones, and round or square paintable grilles; acoustic chambers are optional.

Model 9AVCX 2-Way In-Wall Speaker

9-in woofer with 3-in voice coil and 1-in ferrofluid-cooled dome tweeter. Phase alignment; magnetic shielding. Power handling 220 W; FR 32-20,000 Hz ± 3 dB; sens 92 dB SPL/W/m; crossover point 3,000 Hz; imp 4/8 ohms; 60° dispersion ± 3 dB to 15,000 Hz \$234

Model 8AC 2-Way In-Wall Speaker

8-in woofer and 2-in polypropylene ferrofluid-cooled dome tweeter. Power handling 100 W cont; FR 32-20,000 Hz ± 3 dB; sens 92 dB SPL/W/m; crossover point 3,000 Hz; imp 4/8 ohms; 60° dispersion ± 3 dB to 15,000 Hz \$134

Model 824 In-Wall Subwoofer

8-In driver with 20-oz magnet. Features dual voice coils. Power handling 100 W cont; FR 32-2,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 4 ohm per coil. Includes grilles \$99
Model 828. As above, imp 8 ohms/coil \$99

Model 8C 2-Way In-Wall Speaker

8-in woofer and 1/4-in ferrofluid-cooled polyimide-dome tweeter. Power handling 70 W cont; FR 40-25,000 Hz ± 3 dB; sens 92 dB SPL/W/m; crossover point 4,000 Hz; imp 4/8 ohms; 60° dispersion ± 3 dB to 16,000 Hz. Includes grilles \$99

GUSS ENTERPRISES

Custom Monitor Speaker System

204 drivers in 8 enclosures: twenty-four 15-in woofers, forty-eight 5-in midranges, thirty-two 1-in tweeters, 100 custom piezoelectric supertweeters. Power handling 900 W cont. 4 cabinets 60 x 72 x 24 in; 2 cabinets 20 x 72 x 14 in \$100,000

System 1-Guss Monitor Speaker System

102 drivers in 4 enclosures: twelve 15-in cone woofers, twenty-four 5-in dual-diaphragm dome midranges, sixteen 1-in dome tweeters, 50 custom piezoelectric supertweeters. Controls for midrange, tweeter, rear-ambience, satellite. FR 15-30,000 Hz ± 3 dB; power handling 600 W; sens 92 dB SPL/W/m; imp 6 ohms. Walnut or oak. 2 cabinets 38 x 72 x 24 in; 2 cabinets 20 x 72 x 14 in; 800 lb \$50,000

System 2B-Symphony Speaker System

26 drivers in 4 enclosures with 3-D Focus control: four 15-in cone woofers, six 5-in dual-diaphragm dome midranges, four 1-in dome tweeters, 12 custom piezoelectric supertweeters. Controls for midrange, tweeter, 3-D Focus, rear-ambience, and satellite. FR 20-30,000 Hz ± 3 dB; power handling 300 W; sens 92 dB SPL/W/m; imp 4 ohms. Walnut or oak finish. 2 cabinets 22 x 54 x 20 in; 2 cabinets 8 x 25 x 8 in; 365 lb \$15,000

System 3-Concerto Speaker System

22 drivers in 4 enclosures: four 12-in cone woofers, six 5-in dual-diaphragm dome midranges, four 1-in dome tweeters, 8 custom piezoelectric supertweeters. Controls for midrange, tweeter, rear-ambience, and satellite. FR 30-30,000 Hz ± 3 dB; power handling 300 W; sens 92 dB SPL/W/m; imp 4 ohms. Walnut or oak finish. 2 cabinets 24 x 54 x 20 in; 2 cabinets 8 x 25 x 8 in; 355 lb \$9,000

System-5 Monitor Speaker System

14 drivers in 4 enclosures: two 15-in woofers, two 1-in dome tweeters, two 5-in dual-diaphragm dome midranges, 8 custom piezoelectric supertweeters. Controls for midrange, tweeter, satellite. FR 25-30,000 Hz ± 3 dB; imp 4 ohms. Walnut or oak finish available. 2 cabinets 18 x 30 x 15 in; 2 cabinets 6 x 6 x 12 in; 200 lb \$6,000

System 4-Sonata Speaker System

12 drivers in 4 enclosures: two 12-in woofers, two 1-in dome tweeters, two 5-in dual-diaphragm dome midranges, 6 custom piezoelectric supertweeters. Controls for midrange, tweeter, satellite. FR 30-30,000 Hz ± 4 dB, power handling 200 W; sens 90 dB SPL/W/m; imp 8 ohms. Walnut or oak. 2 cabinets 17 x 28 x 15 in; 2 cabinets 6 x 6 x 12 in; 145 lb \$4,000

HALES AUDIO

System I Reference 2-Way Speaker

Sealed-box design with 11-in woofer, two 2-in titanium dome midranges, and 1-in inverted ceramic dome tweeter. FR 28-34,000 Hz; sens 88 dB SPL/W/m. 52 x 13 x 24 in; 270 lb \$16,000/pr

System II Signature 2-Way Speaker

Sealed design with two 7-in midranges and 1-in titanium tweeter. Features computer-optimized, biwireable crossover network with polypropylene capacitors and 14-gauge air-core inductors. Crossover housed in external, sand-filled, and spiked enclosure. FR 40-26,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 4 ohms; crossover point 2,000 Hz. 11 x 48 x 21 in; 181 lb \$5,900/pr

System II 2-Way Speaker

Sealed design with two 7-in midbass and 1-in titanium-dome tweeter. Features computer-optimized, biwireable crossover network with polypropylene capacitors and 14-gauge air-core inductors. FR 45-26,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 4 ohms; crossover point 2,000 Hz. 11 x 38 x 16 in; 92 lb \$3,300/pr

HARMAN KARDON

The following feature perforated cabinet dividers designed to minimize coloration.

Sixty 3-Way Speaker

Ported design with two 8-in graphite/polypropylene woofers, 3-in midrange, and 3/4-in aluminum-alloy tweeter. Features aluminum voice-coil formers; ferrofluid-cooled tweeter; Linkwitz-Riley crossover. Power handling 200 W max; FR 30-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; nom imp 6 ohms; crossover points 500 Hz and 2,800 Hz. Black piano-lacquer finish. 18 1/2 x 50 x 11 1/2 in; 100 lb \$3,198/pr

Fifty 3-Way Speaker

Ported design with 8-in polypropylene woofer, 8-in midrange, and 1-in aluminum-alloy tweeter. Features Kapton voice-coil formers; ferrofluid-cooled tweeter; Linkwitz-Riley crossover. Power handling 150 W max; FR 35-20,000 Hz ± 2 dB; sens 91 dB SPL/W/m; nom imp 6 ohms; crossover points 400 Hz and 2,500 Hz. Black piano-lacquer finish. 16 x 43 x 12 in; 75 lb \$2,198/pr

Forty 2-Way Speaker

Ported design with two 6 1/2-in woofers and 1-in polyimide-dome tweeter. Aluminum voice-coil formers; ferrofluid-cooled tweeter; 4th-order asymmetrical Butterworth crossover. Power handling 95 W max; FR 40-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; nom imp 6 ohms; crossover point 2,200 Hz. Black piano-lacquer finish. 14 x 37 1/2 x 10 in; 52 lb \$1,398/pr

Thirty 2-Way Speaker

Ported design with 8-in polypropylene woofer and 1-in polyimide-dome tweeter. Features Kapton voice-coil formers; ferrofluid-cooled tweeter; Linkwitz-Riley crossover. Power handling 85 W max; FR 45-20,000 Hz ± 2 dB; sens 88 dB SPL/W/m; nom imp 6 ohms; crossover point 2,200 Hz. Black piano-lacquer finish. 9 1/2 x 23 x 10 1/2 in; 57 lb \$898/pr

Twenty 2-Way Speaker

Ported design with 6 1/2-in woofer and 3/4-in polyimide dome tweeter. Aluminum voice-coil formers; ferrofluid-cooled tweeter; 4th-order asymmetrical Butterworth crossover. Power handling 70 W max; FR 50-20,000 Hz ± 2 dB; sens 87 dB SPL/W/m; nom imp 6

ohms; crossover point 2,200 Hz. Black piano-lacquer finish. 8 1/2 x 19 x 10 in; 43 lb \$658/pr

Ten 2-Way Speaker

Ported design with 5 3/8-in woofer and 3/4-in polyimide dome tweeter. Aluminum voice-coil formers; ferrofluid-cooled tweeter; 4th-order asymmetrical Butterworth crossover. Power handling 50 W max; FR 65-20,000 Hz ± 2 dB; sens 86 dB SPL/W/m; nom imp 6 ohms; crossover point 3,300 Hz. Black piano-lacquer finish. 7 x 12 1/2 x 8 1/2 in; 24 lb \$458/pr

HARTLEY

The Reference 4-Way Speaker

24-in woofer, 10-in midrange, and two 7-in tweeters. Crossover points 125, 3,000, and 8,000 Hz; FR 16-25,000 Hz; power handling 300 W cont avg; imp 5-8 ohms. Wood cabinet with removable knit grille. 36 x 50 1/4 x 24 in \$7,295/pr
The Concertmaster. As above, 18-in woofer, black grille. 29 x 41 1/2 x 18 in \$6,095/pr

The Reference Tower 2-Way Speaker

Four 6 1/2-in thermoplastic woofers and four 1-in dome tweeters. Crossover point 3,600 Hz; power handling 300 W cont avg; imp 4 ohms at 100 Hz; FR 24-25,000 Hz. Wood cabinet with removable knit grille. 44 1/2 x 17 1/2 x 18 in \$1,500/pr
Mini-Tower. As above, two 6 1/2-in thermoplastic woofers and 1-in dome tweeter. Crossover point 3,100 Hz; power handling 150 W cont; imp 4 ohms; FR 32-25,000 Hz \$695/pr
The Compact Reference. As above, crossover point 5,000 Hz; power handling 100 W; imp 8 ohms; FR 25-45,000 Hz. 13 1/2 x 17 1/2 x 13 1/2 in \$400/pr

Subwoofers

Cabinets are constructed with oak and walnut veneers and a 3/4-in cellulose internal lining.

SW-24 Subwoofer

Infinite-baffle enclosure. Power handling 300 W cont avg; imp 5 ohms; FR to 16 Hz ± 3 dB. 36 x 50 1/4 x 22 in; 250 lb \$1,495

SW-18 Subwoofer

Infinite-baffle enclosure. Power handling 300 W cont avg; imp 5 ohms; FR to 16 Hz ± 4 dB. 29 x 41 1/2 x 18 in; 150 lb \$1,100

SW-10 Subwoofer

Air-column enclosure. Power handling 100 W cont avg; imp 6 ohms; FR to 25 Hz ± 3 dB. 18 x 24 x 18 in; 70 lb \$550

HECO

Llbero Subwoofer/Satellite System

Bass-reflex enclosure with two 7-in woofers and 2 satellites, each with 1/4-in midrange and 3/4-in dome tweeter. Power handling 60 W cont avg; FR 28-30,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover points 120 and 3,000 Hz. Satellites: black or white die-cast cabinet, 4 3/8 x 7 1/4 x 4 3/8 in. Subwoofer: black or white ash finish, 22 x 8 3/8 x 13 1/4 in \$649
Legato Satellite. As above, satellite only. Power handling 50 W cont avg; FR 80-30,000 Hz; crossover point 3,000 Hz \$299/pr

Superior Series

Concerto Grosso 3-Way Speaker

3/4-in aluminum-manganese dome tweeter, two 6 3/4-in polypropylene midranges, and three 8 7/8-in woofers in hexagon-shaped cabinet. Biamp/biwire terminals. Power handling 250 W cont avg; FR 16-35,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover points 150 and 2,900 Hz. Walnut, oak, black, white, or piano veneered finish. 18 3/8 x 6 1/4 x 16 5/8 in \$4,999/pr

Fortissimo 950 3-Way Speaker

3/4-in dome tweeter, two 5-in midranges, two 9-in woofers. Biamp/biwire terminals. Power handling

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The ribbon technology that makes the Apogee Grand the speaker system of the decade is also found in our entire range of award winning speakers.

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"Once you hear the seamless transparency of the ribbon, it may be difficult to go back to listening to cone and dome drivers."

Robert Harley-
Stereophile-Vol. 15 No. 1, Jan. '92

APOGEE ACOUSTICS, INC.

APOGEE ACOUSTICS, INC., 35 YORK INDUSTRIAL PARK, RANDOLPH, MA 02366
(617) 963-0124 • FAX # (617) 963-8567

For more information and a dealer nearest you, call Apogee Acoustics, Inc. at (617) 963-0124.

S P E A K E R S

160 W cont avg; FR 20-35,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover points 290 and 3,000 Hz. Walnut or oak veneer in black or white. 11 $\frac{1}{2}$ x 48 x 13 $\frac{1}{2}$ in \$1,999/pr

Forte 850 3-Way Speaker

$\frac{3}{4}$ -in dome tweeter, 5-in midrange, two 9-in woofers. Biamp/biwire terminals. Power handling 140 W cont avg; FR 24-35,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover points 290 and 3,000 Hz. Walnut or oak veneer in black or white. 11 $\frac{1}{2}$ x 42 x 13 $\frac{1}{2}$ in \$1,699/pr

Presto 750 3-Way Speaker

$\frac{3}{4}$ -in dome tweeter, 5-in midrange, two 7-in woofers. Biamp/biwire terminals. Power handling 120 W cont avg; FR 28-35,000 Hz; sens 88 dB; imp 4 ohms; crossover points 290 and 3,000 Hz. Walnut or oak veneer; black or white. 9 $\frac{1}{2}$ x 38 x 10 $\frac{1}{2}$ in. \$1,395/pr

Cantata 550 3-Way Speaker

$\frac{3}{4}$ -in dome tweeter, 7-in midrange, 7-in woofer. Biamp/biwire terminals. Power handling 110 W cont avg; FR 29-35,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover points 120 and 3,000 Hz. Walnut veneer or black ash. 9 $\frac{1}{2}$ x 34 x 10 $\frac{1}{2}$ in. \$1,095/pr

Allegro 350 3-Way Bookshelf Speaker

$\frac{3}{4}$ -in dome tweeter, 6 $\frac{3}{8}$ -in midrange, 6 $\frac{3}{8}$ -in woofer. Biamp/biwire terminals. Power handling 90 W cont avg; FR 32-35,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover points 120 and 3,000 Hz. Walnut veneer or black ash. 9 $\frac{1}{4}$ x 20 x 9 $\frac{1}{2}$ in \$799/pr

Concertino 250 2-Way Bookshelf Speaker

$\frac{3}{4}$ -in dome tweeter, 7-in woofer. Biamp/biwire terminals. Power handling 80 W cont avg; FR 35-35,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz. Walnut veneer or black ash. 9 $\frac{1}{4}$ x 16 x 9 $\frac{1}{2}$ in \$599/pr

Interior Series

Reflex 35 2-Way Speaker

$\frac{3}{4}$ -in metal-dome tweeter, two 7-in woofers. Power handling 110 W cont avg; FR 29-30,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms; crossover points 150 and 4,000 Hz. Black. 9 $\frac{1}{2}$ x 34 $\frac{1}{4}$ x 10 $\frac{1}{2}$ in \$799/pr

Reflex 25 3-Way Bookshelf Speaker

9-in woofer, 5-in midrange, and $\frac{3}{4}$ -in metal-dome tweeter. Power handling 90 W cont avg; FR 32-30,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms; crossover points 400 and 4,000 Hz. Black. 11 $\frac{1}{4}$ x 20 $\frac{3}{8}$ x 11 $\frac{1}{4}$ in \$699/pr

Reflex 20 2-Way Bookshelf Speaker

$\frac{3}{4}$ -in metal-dome tweeter, two 10 $\frac{3}{8}$ -in woofers. Power handling 80 W cont avg; FR 35-30,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms; crossover point 4,000 Hz. Black. 9 x 20 x 9 $\frac{1}{2}$ in \$499/pr

Reflex 10 2-Way Speaker

$\frac{3}{4}$ -in metal-dome tweeter, 10 $\frac{3}{8}$ -in woofer. Power handling 60 W cont avg; FR 42-30,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover point 4,000 Hz. Black. 8 $\frac{3}{8}$ x 12 $\frac{7}{8}$ x 9 in \$349/pr

HEYBROOK

The following feature a 5-year limited warranty.

HB-3 3-Way Speaker

Acoustic-suspension design with 10-in doped-cone woofer, 4 $\frac{1}{2}$ -in doped-cone midrange, and $\frac{3}{4}$ -in soft-dome tweeter. Biwire/irwire terminals. Power handling 200 W; frequency response 35-20,000 Hz \pm 3 dB. Walnut or black-ash finish. 13 $\frac{3}{8}$ x 25 x 11 $\frac{3}{8}$ in; 46 lb \$1,598/pr

HB-200 2-Way Bookshelf Speaker

Dual-reflex tuned enclosure with 6 $\frac{1}{2}$ -in woofer and metal-dome tweeter. Power handling 100 W; FR 34-22,000 Hz; sens 88 dB; nom imp 8 ohms. Walnut or black-ash finish. 11 x 18 x 9 in \$999/pr

HB-150 2-Way Bookshelf Speaker

Dual-reflex tuned enclosure with 6 $\frac{1}{2}$ -in woofer and metal-dome tweeter. Power handling 100 W; FR 40-22,000 Hz; sens 88 dB; nom imp 6 ohms. Walnut or black-ash finish. 9 x 16 x 9 in \$799/pr

HB-100 2-Way Bookshelf Speaker

Infinite-baffle design with 8-in woofer and metal-dome tweeter. Power handling 100 W; FR 50-22,000 Hz; sens 89 dB; nom imp 8 ohms. Black or wood-grain finish. 11 x 19 x 10 in \$649/pr

Solo 2-Way Bookshelf Speaker

Infinite-baffle design with 6 $\frac{1}{2}$ -in woofer and metal-dome tweeter. Power handling 75 W; FR 45-24,000 Hz; sens 87 dB; nom imp 6 ohms. Black finish. 9 x 16 x 9 in \$449/pr

Point Five 2-Way Bookshelf Speaker

Infinite-baffle design with 6 $\frac{1}{2}$ -in doped-cone woofer and $\frac{3}{4}$ -in dome tweeter. Power handling 75 W; FR 50-20,000 Hz; sens 87 dB; nom imp 6 ohms. Black finish. 9 x 14 x 9 in \$329/pr

HILL ACOUSTIC RESEARCH

Mi8A 2-Way Speaker

8-in woofer and 1-in soft-dome tweeter. FR 40-20,000 Hz; power handling 150 W; sens 92 dB \$1,199/pr
Mi6A. As above, 6-in woofer. FR 45-20,000 Hz; power handling 140 W \$799/pr

HSU RESEARCH

HRWS10 Subwoofer

Ported design featuring 10-in driver with 2-in voice coil. Cylindrical enclosure; 12-dB/octave low-pass crossover at 40 Hz. Includes demo CD. Power handling 150 W rms; FR 20-40 Hz \pm 1 dB; imp 7 ohms. Walnut finish with black-knit cloth grille. 27-in height, 14 $\frac{1}{2}$ -in diameter; 23 lb \$500-\$650/pr
HRWS12. As above, 12-in driver. FR 19-40 Hz \pm 1 dB; imp 6 ohms. 82-in height, 13 $\frac{1}{2}$ -in diameter; 35 lb \$1,000-\$1,050/pr

HUGHES

Orb-2 2-Way Speaker

5-in fiber woofer and $\frac{3}{4}$ -in silk tweeter. Features patented wide-dispersion baffle for 180° lateral dispersion; magnetic shielding. Power handling 100 W max; FR 55-22,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; nom imp 4 ohms; crossover point 2,000 Hz. Wall mountable. Gray ABS with black metal grille. 7 x 10 x 10 in \$319/pr

Orb-1. As above. $\frac{1}{2}$ -in polycarbonate tweeter. FR 65-22,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; crossover point 4,500 Hz \$239/pr

Baser-1 Subwoofer

Two 8-in fiber drivers. Features patented Acoustic Piston Chamber to synchronize drivers. Power handling 100 W max; FR 30-80 Hz; sens 88 dB SPL/W/m; nom imp 4 ohms. Gray with black cloth grille. 11 x 15 x 23 in \$379

HUMAN

Model 88-41 3-Way Speaker

Two 8-in woofers, 4-in dome midrange, and aluminum-dome tweeter. Power handling 500 W cont avg; FR 20-26,000 Hz. Oak veneer cabinet with multifaceted bevel and sloped baffle. 18 x 44 x 15 in; 85 lb \$935

Model 81-10 2-Way Speaker

8-in woofer, 1-in liquid-cooled aluminum-dome tweeter, and 10-in passive radiator. Beveled cabinet edges for diffraction control. Power handling 200 W cont avg; FR 26-26,000 Hz. Teak laminate or oak veneer. 18 x 32 x 10 in; 50 lb \$395

Model 81-R 2-Way Speaker

8-in woofer, 1-in liquid-cooled aluminum-dome tweeter, and rear-mounted 10-in passive radiator.

Beveled cabinet edges for diffraction control. Power handling 150 W cont avg; FR 32-26,000 Hz. Oak laminated. 16 x 27 x 8 in; 30 lb \$255

QT-2 2-Way Speaker

6-in woofer and 1-in liquid-cooled fabric-dome tweeter. Power handling 90 W cont avg; FR 52-19,000 Hz. Oak-laminate finish, designer colors available. 9 x 15 x 7 in; 14 lb \$110

AVM-1 2-Way Speaker

5-in woofer and $\frac{3}{4}$ -in liquid-cooled dome tweeter. Features magnetic shielding. Power handling 35 W cont avg; FR 65-18,000 Hz. 7 x 12 x 5 in; 7 lb \$45

ICON ACOUSTICS

Icon Millennium 3-Way Speaker

8 $\frac{3}{4}$ -in Kevlar woofer, 4-in ceramic-dome midrange, and 1-in ceramic-dome tweeter. Features crossovers with polypropylene and polystyrene capacitors; two pairs 5-way binding posts. Biwireable. Power handling 350 W; frequency response 32-32,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover points 400 and 3,200 Hz. Cherry or maple finish. 12 x 17 x 43 in; 206 lb \$7,995/pr

Icon Micron 2-Way Speaker

7-in woofer and 1-in metal-dome tweeter. Features crossovers with polypropylene capacitors; 5-way binding posts. Biwireable. Power handling 350 W; FR 40-22,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 1,500 Hz. Cherry, maple, or walnut finish. 11 x 15 x 14 in; 50 lb \$2,995/pr

Icon Parsec 3-Way Speaker

Graphite-impregnated 10-in woofer, 6 $\frac{1}{2}$ -in polypropylene midrange, and 1-in metal-dome tweeter. Features crossovers with polypropylene and polystyrene capacitors; two pairs of gold-plated 5-way binding posts. Power handling 350 W cont avg; FR 25-22,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover points 350 and 1,500 Hz. Walnut, oak, or black-oak finish. 12 x 47 x 16 in; 95 lb \$1,795

Icon Joule 2-Way Speaker

8-in woofer and 1-in metal-dome tweeter. Features crossovers with polypropylene and polystyrene capacitors; two pairs of 5-way binding posts. Biwireable. Power handling 250 W; FR 32-22,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 1,500 Hz. Walnut, oak, or black-oak finish. 11 x 11 x 41 in; 70 lb \$1,295/pr

Icon Lumen 2-Way Bookshelf Speaker

6 $\frac{1}{2}$ -in polypropylene woofer and 1-in metal-dome tweeter. Features crossovers with polypropylene and polystyrene capacitors; gold-plated biwireable 5-way binding posts. Power handling 150 W cont avg; FR 55-22,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 1,500 Hz. Walnut, oak, or black-oak finish. 9 $\frac{1}{2}$ x 18 x 10 $\frac{1}{2}$ in; 26 lb \$795/pr

IMPACT

IMPACT BB-T212 Subwoofer

Two 12-in drivers in compound-loaded isobaric band-pass enclosure. Wedge-shaped enclosure. Multiple wiring configurations allow 2- or 8-ohm mono connection or 4-ohm stereo connection. FR 32-104 Hz; sens 96 dB SPL/W/m; min amp power 50 W \$399
BB-T210. As above, two 10-in woofers. FR 37-113 Hz; sens 95 dB SPL/W/m \$329
BB-T208. As BB-T212, two 8-in woofers. FR 40-116 Hz; sens 95 dB SPL/W/m \$259

INFINITY

9 Kappa Reference Standard 5-Way Speaker

Sealed design with two 12-in cast frame woofers, 5-in polypropylene/graphite midbass, 3-in dome midrange, rear-firing EMIT k tweeter, SEMIT k super-tweeter. Internal crossovers; biwire/biamp terminals. Monster Cable internal wiring. Min power 60 W;

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frequency response 29-45,000 Hz; sensitivity 89 dB SPL/W/m; impedance 4 ohms; crossover points 80, 800, and 4,500 Hz. Black vinyl finish with black grille. 22 x 60 x 8 in; 240 lb \$2,698/pr
8 Kappa. 4-way version of above with one 12-in woofer. Min power handling 50 W; FR 33-45,000 Hz. 21 x 48 x 8 in; 176 lb \$1,798/pr

Modulus Powered Subwoofer

12-in graphite woofer; 200-W servo-driven amp. Separate subwoofer control box includes variable low-frequency cutoff, 2-position rumble filter, low-frequency-level control; phase switch; active high-pass satellite control. Frequency response 22-200 Hz + 0, -3 dB. Piano finish with black grille. 18 x 19 x 18 in; 80 lb \$2,000

7 Kappa Reference Standard 3-Way Speaker

12-in woofer, 3-in dome midrange, and EMIT k tweeter. Monster Cable Internal wiring. Min power 40 W; FR 37-45,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover points 800 and 4,500 Hz. 17 x 37 x 12 in; 138 lb \$1,298/pr

Modulus 2-Way Bookshelf Speaker

Sealed design with 5-in graphite woofer and EMIT tweeter. Can be mounted on wall or pedestal. Includes wall bracket/self-damping isolation mounting plate. Tweeter control. Min power 25 W; FR 82-45,000 Hz + 0, -3 dB; sens 84 SPL/W/m; imp 4 ohms; crossover point 4,000 Hz. Optional lacquer finish, black-knit grille. 7 x 12 x 11 in; 30 lb \$1,000/pr
Pedestal. 25-in pedestal for above \$300/pr
Wall Brackets \$129/pr

6 Kappa Reference Standard 3-Way Speaker

10-in woofer. Monster Cable internal wiring. Min power 30 W; FR 39-45,000 Hz. 15 x 25 x 10½ in; 84 lb \$998/pr
Kappa Pedestal. Pedestal base for above \$129/pr

SSW-10 Servo Subwoofer

Ported design with 10-in driver. Features level control. FR 40-260 Hz ± 3 dB; crossover point 50-200 Hz. Black vinyl finish with black cloth grille. 13 x 13 x 13 in; 34 lb \$649

IRS Series

IRS Series V Reference Powered Speaker System
 Modular 4-piece, 3-way design. Features 2 bass modules, each with six 12-in woofers in feedback loop with two 2,000-W servo amps; 2 midrange/tweeter modules, each with 12 midranges in dipole arrangement and 36 tweeters in dipole line-source array (24 front/12 rear-facing); variable low-pass filters; low-pass variable damping; woofer-level controls; selectable midrange/tweeter input control; woofer phase switch; bass-servo on/off switch; Monster Cable internal wiring. FR 16-44,000 Hz ± 2 dB; sens 87 dB SPL/W/m; imp 4 ohms; crossover points 70 and 5,000 Hz. Midrange/tweeter power input range 100-500 W/ch; imp 4 ohms; oiled and Brazilian rosewood finish; 100-ft cable for hookup of high-frequency drivers to midrange/tweeter amp. Santos finish, brown cloth grille. Woofer modules: 20¾ x 90 x 28¾ in. Midrange/tweeter modules: 47 x 90 x 17 in. Base footprint: 38 x 12 in. 1,550 lb \$60,000

IRS Beta 5-Way Speaker System

Includes four servo-controlled 12-in woofers per side, each with polypropylene/graphite injection-molded cones; 2 upper bass midrange planar push-pull drivers that act as dipole; EMIT transducer for upper midrange; EMIT's from IRS V (in dipole configuration) for lower treble; SEMIT (smaller aperture EMIT) which extends response beyond 44 kHz. System is bi-amplified and includes IRS V servo control unit; active and passive crossover control. Monster Cable internal wiring. Min power 75 W; FR 25-44,000 Hz ± 2 dB; sens 87 dB SPL/W/m; imp 4 ohms; crossover points 70, 700, 4,000, and 8,000 Hz. Santos finish, black cloth grille. Woofer module: 16½ x 64¾ x 14½ in. Mid-tweeter module: 17 x 64¾ x 1 in. Base footprint: 18 x 17 in. 483 lb \$11,950

SM Series

SM 152 3-Way Speaker

Ported design with 15-in woofer, two 4½-in cone midranges, and 1-in dome tweeter. Features high- and mid-level controls. Min power 10 W; FR 44-25,000 Hz ± 3 dB; sens 102 dB SPL/W/m; imp 8 ohms; crossover points 500 and 5,500 Hz. Vinyl finish, black grille. 18 x 40 x 13 in; 152 lb \$1,198/pr

SM 122 3-Way Speaker

Ported design with 12-in woofer, 4½-in cone midrange, and 1-in dome tweeter. Features front-mounted high- and mid-level controls. Min power 10 W; FR 49-25,000 Hz ± 3 dB; sens 100 dB SPL/W/m; imp 8 ohms; crossover points 750 and 5,500 Hz. Vinyl finish, black grille. 15 x 35 x 13 in; 132 lb \$918/pr

SM 112 3-Way Speaker

Ported design with 10-in woofer, 4½-in cone midrange, and 1-in dome tweeter. Features front-mounted high- and mid-level controls. Min power 10 W; FR 59-25,000 Hz ± 3 dB; sens 100 dB SPL/W/m; imp 8 ohms; crossover points 900 and 5,500 Hz. Vinyl finish, black grille. 14 x 30 x 13 in; 112 lb \$738/pr

SM 102 2-Way Speaker

Ported design with 10-in woofer and 1-in dome tweeter. Min power 10 W; FR 65-25,000 Hz ± 3 dB; sens 100 dB SPL/W/m; imp 8 ohms; crossover point 3,300 Hz. Vinyl finish, black grille. 12 x 21 x 12 in; 68 lb \$558/pr

SM 82 2-Way Speaker

Ported design with 8-in woofer and 1-in dome tweeter. Min power 10 W; FR 72-25,000 Hz ± 3 dB; sens 98 dB SPL/W/m; imp 8 ohms; crossover point 2,800 Hz. Vinyl finish, black grille. 11 x 18 x 11 in \$448/pr

SM 62 2-Way Surround Speaker

Ported design with 6½-in polypropylene woofer and ¾-in dome tweeter. Power handling 100 W max; FR 78-25,000 Hz ± 3 dB; sens 94 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Black, walnut, or rosewood vinyl finish, black cloth grille. 8 x 13¼ x 13½ in; 26 lb \$278/pr

Reference Series

Reference Six 4-Way Speaker

Sealed-box design with 10- and 6-in woofers, 5-in cone midrange, and EMIT R tweeter. Min power handling 35 W; FR 35-40,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 200, 1,500, and 4,000 Hz. Black or oak vinyl finish, black cloth grille. 13 x 40 x 14 in; 132 lb \$998/pr

Reference Five 3-Way Speaker

Sealed-box design with 10-in woofer, 5-in cone midrange, and EMIT R tweeter. Min power 25 W; FR 40-40,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 300 and 4,000 Hz. Black or oak vinyl finish, black cloth grille. 13 x 35 x 12 in; 106 lb \$799/pr

Reference Four 3-Way Speaker

Sealed-box design with 8-in woofer, 5-in cone midrange, and EMIT R tweeter. Min power 25 W; FR 44-40,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 400 and 4,000 Hz. Black or oak vinyl finish, black cloth grille. 11 x 31 x 10 in; 82 lb \$600/pr

Reference Three 3-Way Speaker

Sealed-box design with 8-in woofer, 5-in cone midrange, and 1-in dome tweeter. Min power 20 W; FR 47-25,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 400 and 3,500 Hz. Black or oak vinyl finish, black cloth grille. 11 x 22 x 10 in; 61 lb \$449/pr

Reference Two 2-Way Speaker

Sealed-box design with 8-in woofer and 1-in dome tweeter. Min power 15 W; FR 50-25,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover point

3,000 Hz. Black or oak vinyl finish, black cloth grille. 11 x 18 x 10 in; 51 lb \$349/pr

Reference One 2-Way Speaker

Sealed-box design with 6-in woofer and ¾-in dome tweeter. Min power 10 W; FR 55-25,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 4,000 Hz. Black or oak vinyl finish, black cloth grille. 9 x 14 x 7 in; 30 lb \$239/pr

Reference E-L 2-Way Speaker

Sealed-box design with 5¼-in woofer and ½-in dome tweeter. Min power 10 W; FR 70-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 6 ohms; crossover point 5,500 Hz. Black or oak vinyl finish, black cloth grille. 8 x 12 x 7 in; 18 lb \$175/pr

Environmental Reference Standard Series

ERS 820 2-Way In-Wall Speaker

8-in graphite woofer and EMIT k tweeter. Features tweeter-level control. Min power 20 W; FR 50-45,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover point 3,800 Hz. Beige ABS finish, metal grille. 11 x 16 x 4 in; 17 lb \$580/pr

ERS 620 2-Way In-Wall Speaker

6-in graphite woofer and ¾-in polyspherite dome tweeter. Features tweeter level control. Min power 15 W; FR 60-22,000 Hz; sens 85 dB SPL/W/m; imp 4 ohms; crossover point 3,800 Hz. Beige ABS finish, metal grille. 9 x 18 x 4 in; 12 lb \$340/pr

ERS 520 2-Way In-Wall Speaker

5¼-in coaxially-mounted woofer and ¾-in cone tweeter. FR 75-22,000 Hz; sens 85 dB SPL/W/m; imp 4 ohms; crossover point 6,000 Hz. Beige ABS finish, metal grille. 8 x 8 x 3 in; 10 lb \$250/pr

ERS 420 In-Wall Speaker

4-in full-range driver. Power handling 30 W max; FR 90-15,000 Hz; sens 85 dB SPL/W/m; imp 4 ohms. Beige ABS finish, metal grille. 7 x 7 x 2½ in \$180

Infinitesimal Series

Infinitesimal Micro II Subwoofer/Satellite System
 Subwoofer with two 6½-in polypropylene-coated drivers, and 2 satellites, each with 4-in cone woofer and ½-in cone tweeter. Power handling 100 W max; FR 150-25,000 Hz (satellites), 40-150 Hz (subwoofer); sens 90 dB SPL/W/m; imp 4-6 ohms (satellites), 6 ohms (subwoofer); crossover point 5,000 Hz. Black or white finish. Satellite: 5½-in diameter x 8 in. Subwoofer: 9¼ x 15½ x 15¼ in. 47 lb \$779

Infinitesimal Four 2-Way Speaker

Ported design with 5¼-in woofer and EMIT R tweeter. FR 100-40,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 5,000 Hz. Black structural foam finish, black metal grille \$429/pr

ISLAND

Islander Light 2-Way Outdoor Speaker

6½-in woofer and 1-in dome tweeter. FR 55-20,000 Hz ± 5 dB; sens 89 dB SPL/W/m; imp 4 ohms. Black finish. 7 x 31 x 7 in; 25 lb \$1,350/pr

Islander 2-Way Outdoor Speaker

5½-in woofer and 1-in dome tweeter. FR 55-20,000 Hz ± 5 dB; sens 89 dB SPL/W/m; imp 4 ohms. Black finish. 7 x 27 x 7 in; 20 lb \$950/pr

IA-100 2-Way Speaker

Bass-reflex design featuring 6½-in woofer and 1-in dome tweeter. FR 55-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Oiled oak finish. 8 x 13 x 8 in; 12 lb \$450/pr

JACKSON

AU-6 3-Way Speaker

Critically damped, slot-loaded design with 6½-in woofer, 1-in aluminum-dome tweeter, ½-in polycar-

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bonate-dome supertweeter, and 8-in passive radiator. Features radlused pyramid-shaped enclosure; 26-element crossover with impedance compensation. Frequency response 48-20,000 Hz \pm 3 dB; sens 87 dB SPL/W/m. Navajo white with camel grille or black on black. 28 lb. \$1,849/pr

AU-3 3-Way Speaker

5/4-in woofer, 1-in polyimide-dome tweeter, and 1/2-in polycarbonate-dome supertweeter. Features radlused pyramid-shaped enclosure; 17-element crossover with impedance compensation. FR 85-20,000 Hz \pm 3 dB; sens 87 dB SPL/W/m. Navajo white with camel grille or black on black. 7 1/2 x 13 1/2 x 4 1/4 in; 10.5 lb. \$949/pr

AU-20 Subwoofer

Critically damped, slot-loaded design with 10-in driver and 15-in passive radiator. Features radlused slant-faced enclosure. Crossover self-adjusts to 125 Hz for AU-3 or 90 Hz for AU-6. FR 0-33 Hz \pm 3 dB; sens 90 dB SPL/W/m. Navajo white with camel grille or black on black. 18 x 17 1/2 x 18 1/2 in; 59 lb. \$929

JAMO

Oriel 3-Way Speaker

Twin-coupled cavity design with two 8 1/4-in woofers, 6 1/2-in honeycomb midrange, and 1-in soft-dome tweeter. Features overload protection; 6-dB/oct crossover slopes; Isoda internal wiring; concrete base; twin-alloy support spikes. Gold-plated speaker terminals. Power handling 70 W cont avg; FR 20-22,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover points 100 and 3,000 Hz. Smoked glass and plastic finish trimmed with cherry wood. 16 x 70 x 12 in; 159 lb. \$9,000/pr

Concert VII 3-Way Speaker

Dual-chamber bass-reflex design with two 8-in woofers in push-pull configuration, 6 1/2-in polypropylene midrange, and 1-in alloy dome tweeter. Gold-plated biwire terminals. Power handling 300 W cont avg; FR 24-22,000 Hz \pm 3 dB; imp 8 ohms; crossover points 150 and 4,000 Hz. Mahogany, black-ash, or light-walnut finish. 11 1/8 x 36 1/8 x 12 1/8 in; 62 lb. \$899

Concert V 3-Way Speaker

Bass-reflex design with 6 1/2-in polypropylene woofer, 6 1/2-in midrange, and 1-in alloy dome tweeter. Overload protection. Gold-plated biwire terminals. Power handling 110 W cont avg; FR 30-22,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 6 ohms; crossover points 150 and 3,500 Hz. Light-walnut, mahogany, or black-ash finish. 14 x 31 1/2 x 11 in; 42 lb. \$649

Concert II 2-Way Bookshelf Speaker

Bass-reflex design with 6 1/2-in polypropylene woofer and 1-in alloy dome tweeter. Overload protection. Gold-plated biwire terminals. Power handling 80 W cont avg; FR 40-20,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 2,000 Hz. Light walnut, mahogany, or black-ash finish. 9 1/2 x 16 x 10 in; 20 lb. \$399

BX-200 3-Way Speaker

Bass-reflex design with 12-in woofer, 3-in midrange, and 1-in horn tweeter. Gold-plated binding posts; overload protection. Power handling 250 W cont avg; FR 30-20,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms; crossover points 2,000 and 3,000 Hz. Black finish. 17 x 28 x 13 in; 39 lb. \$349

BX-150 3-Way Speaker

Bass-reflex design with 10-in woofer, 3-in midrange, and 1-in horn tweeter. Gold-plated binding posts; overload protection. Power handling 150 W cont avg; FR 35-20,000 Hz; sens 92 dB SPL; imp 8 ohms; crossover points 2,300 and 5,000 Hz. Black finish. 15 x 25 x 12 in; 30 lb. \$299

CL-30A 3-Way Speaker

Bass-reflex design with 8-in woofer, 4-in midrange, and 1-in dome tweeter. Gold-plated screw terminals. Power handling 120 W cont avg; FR 35-20,000 Hz;

sens 92.5 dB SPL/W/m; imp 8 ohms; crossover points 2,500 and 5,000 Hz. Black or white finish. 10 3/4 x 33 1/4 x 10 1/4 in; 29 lb. \$299

CL-25A 3-Way Bookshelf Speaker

Bass-reflex design with 8-in woofer, 4-in midrange, and 1-in dome tweeter. Gold-plated screw terminals. Power handling 120 W cont avg; sens 92.5 dB SPL/W/m; imp 8 ohms; crossover points 2,500 and 5,000 Hz. Black or white. 10 3/4 x 21 1/8 x 10 1/4 in; 25 lb. \$249

BX-100 3-Way Speaker

Bass-reflex design with 8-in woofer, 3-in midrange, and 1-in horn tweeter. Gold-plated binding posts; overload protection. Power handling 100 W cont avg; FR 40-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 2,000 and 4,200 Hz. Black finish. 12 x 21 x 11 in; 22 lb. \$249

CL-20A 2-Way Bookshelf Speaker

Bass-reflex design with 8-in woofer and 1-in dome tweeter. Gold-plated screw terminals. Power handling 100 W cont avg; FR 40-20,000 Hz; sens 92 dB; imp 8 ohms; crossover point 3,500 Hz. Black or white finish. 10 3/4 x 18 1/4 x 10 1/4 in; 18 lb. \$199

Compact 1000 3-Way Bookshelf Speaker

8-in woofer, 3 1/2-in midrange, and 1-in dome tweeter. Power handling 90 W cont avg; FR 65-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms; crossover points 1,200 and 4,000 Hz. Black or white finish. 9 1/8 x 14 3/8 x 8 3/4 in; 11 lb. \$129

Outdoor 2-Way Speaker

Water- and heat-resistant design with 4-in polypropylene woofer and 3/4-in polypropylene-dome tweeter. Power handling 50 W cont avg; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 4,500 Hz. Black or white finish. 5 1/4 x 7 7/8 x 3 1/4 in; 3 lb. \$119

Compact 700 2-Way Bookshelf Speaker

6 1/2-in woofer and 1-in dome tweeter. Power handling 70 W cont avg; FR 70-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Black or white finish. 7 3/8 x 11 7/8 x 8 1/2 in; 8 lb. \$109

Compact 500 2-Way Bookshelf Speaker

5 1/4-in woofer and 3/4-in dome tweeter. Power handling 60 W cont avg; FR 75-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Black or white finish. 6 x 10 x 7 3/4 in; 7 lb. \$99

M6 3-Way Speaker

Bass-reflex system with 5-in woofer, 2-in midrange, and 3/4-in tweeter. Power handling 60 W cont avg; FR 65-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover points 4,000 and 8,000 Hz. Black or white finish. 7 3/8 x 11 7/8 x 8 3/8 in; 7 lb. \$99

Subwoofer Series

SW-600 Powered Subwoofer

Fixed-port design with two 10-in woofers; 100-W amp. Overload protection; outboard control box with phase, volume, crossover (35-200 Hz), and on/off controls. FR 30-200 Hz; imp 8 ohms. Smoked-glass top with black-ash stained wood. 16 x 21 x 13 in; 58 lb. \$995

SW-500 Subwoofer/Satellite System

Bass-reflex subwoofer with two 10-in woofers, and 2 satellites, each with 4-in dual-magnet midranges and 3/4-in tweeter. Bass module features dual adjustable ports. Satellites feature overload protection. Power handling 140 W cont avg (sub), 50 W (sat); FR 30-200 Hz (sub), 80-20,000 Hz (sat); sens 90 dB SPL/W/m; imp 8 ohms; crossover points 200 and 3,500 Hz. Subwoofer: 21 x 16 1/8 x 13 in; 50 lb. Satellites: 6 1/8 x 8 3/8 x 5 3/8 in; 5 lb. \$799

SW-500 Subwoofer only

\$499

SAT-500. Satellites only

\$298/pr

SW-300 Subwoofer/Satellite System

Bass-reflex subwoofer with two 8-in woofers in push-pull configuration, and 2 satellites, each with 4-in

polypropylene woofer and 3/4-in polypropylene-dome tweeter. 24-karat gold-plated screw terminals. Bass-level control; mounting kit for satellites. Power handling 100 W cont avg (sub), 50 W (sat); FR 30-200 Hz (sub), 80-20,000 Hz (sat); sens 90 dB SPL/W/m; imp 8 ohms; crossover point 200 and 3,500 Hz. Black or white finish. Subwoofer: 8 1/8 x 13 1/4 x 18 1/8 in; 30 lb. Satellites: 5 7/8 x 8 x 3 in; 3 lb. \$699

SW-100 Subwoofer/Satellite System

Bass-reflex subwoofer with two 6 1/2-in woofers in push-pull configuration, and 2 satellites, each with 4-in woofer and 2-in cone tweeter. Mounting kit for satellites. Power handling 100 W cont avg (sub), 50 W (sat); FR 35-200 Hz (sub), 80-20,000 Hz (sat); sens 90 dB SPL/W/m; imp 8 ohms; crossover points 200 and 4,500 Hz. Black or white finish. Subwoofer: 13 3/8 x 7 7/8 x 18 1/8 in; 29 lb. Satellites: 5 1/4 x 7 7/8 x 3 1/4 in. \$499

SW-100. Subwoofer only

\$349

S-100. Satellites only

\$198/pr

Jamo Compact Subwoofer/Satellite System

Bass module with two 6 1/2-in subwoofers and 2 satellites. Black finish. \$299

Rear Surround Speaker. Designed for use with above.

Black finish. \$49

Lifestyle Series

Atmosphere 2-Way Speaker

Bass-reflex design with 5 1/4-in woofer and 1-in dome tweeter. Features overload protection; standard low-voltage halogen light with UL-approved transformer. Separate on/off switch. Includes wall bracket that rotates speaker 360°. Power handling 60 W cont avg; FR 40-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Black or white finish. 14 1/2 x 10 1/2 x 7 in; 8 lb. \$399

Silhouette 3-Way Speaker

Bass-reflex design with 5 1/4-in woofer, 5 1/4-in midrange, and 1-in dome tweeter with magnetic oil in the air gap. Includes foot spikes. Power handling 80 W cont avg; FR 47-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 300 and 4,000 Hz. Black or white finish. 9 3/4 x 48 1/4 x 6 5/8 in; 22 lb. \$399

Graphic 2-Way Speaker

Wall-mount bass-reflex design with 5 1/4-in woofer and 1-in dome tweeter. Features overload protection. Power handling 35 W cont avg; FR 40-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Smoked glass enclosure with 3 pairs of magnetically attached colored grilles. 15 x 17 x 3 in; 6.8 lb. \$299

Art 2-Way Speaker

Flat-panel bass-reflex design with 5 1/4-in woofer and 1-in impregnated textile-dome tweeter. Designed for wall mounting in surround applications. Features computer-optimized 12-dB/oct crossover network; 1-piece front baffle; stiff internal bracing. Includes support beam for floor standing. Power handling 60 W cont avg; frequency response 40-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Black or white lacquer finish. 15 7/8 x 13 7/8 x 3 1/2 in; 11 lb. \$249

Converta 2-Way Speaker

Dish-shaped hanging/wall-mount design with 4-in woofer and 2-in tweeter. Includes wall/table fittings and ball joint to turn all directions. Power handling 50 W cont avg; FR 80-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Black, white, steel, pink, mint-green, or violet finish. 4.5 lb. \$199

Center 100 3-Way Center-Channel Speaker

Bass-reflex design with two 4-in woofers and 1-in dome tweeter. Overload protection. Power handling 40 W cont avg; FR 40-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Aluminum shielded cabinet. 17 x 6 1/2 x 4 in; 12.5 lb. \$189

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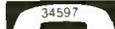
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Cornet Series

Features gold-plated speaker terminals and rubber edge surrounds.

Cornet 75 3-Way Speaker

Bass-reflex design with 8-in woofer, 3-in midrange, and 1-in soft-dome tweeter. Power handling 120 W cont avg; FR 40-20,000 Hz; sens 91 dB SPL/W/m; imp 6 ohms; crossover points 1,500 and 4,000 Hz. Black finish. 11 x 34 x 10¹/₈ in; 22 lb \$219

Cornet 70 3-Way Speaker

Bass-reflex design with two 6¹/₂-in woofers and 1-in soft-dome tweeter. Power handling 90 W cont avg; FR 43-20,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 400 and 3,000 Hz \$199

Cornet 60 3-Way Speaker

Bass-reflex design with 6¹/₂-in woofer, 3-in midrange, and 1-in soft-dome tweeter. Power handling 80 W cont avg; FR 47-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 1,500 and 5,000 Hz. Black finish. 9 x 15¹/₄ x 8⁵/₈ in; 13.2 lb \$149

Cornet 50 2-Way Speaker

Bass-reflex design with 6¹/₄-in woofer and 1-in soft-dome tweeter. Power handling 80 W cont avg; FR 47-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 1,500 and 5,000 Hz. Black \$139

Cornet 40 2-Way Speaker

Bass-reflex design with 5¹/₄-in woofer and 1-in soft-dome tweeter. Power handling 60 W cont avg; FR 50-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Black finish \$99

JASCO

Mini Speakers

Designed for portable systems and components.

HE + 499 2-Way Powered Mini Speaker

Features built-in amplifier. ACDC power \$100

HE + 493 Powered Mini Speaker

3-in full-range driver. Features bass-boost circuit. Power on/off LED indicator; volume control. FR 100-15,000 Hz; imp 8 ohms. Includes aux jack for use with AC adaptor. Operates on 4 C batteries \$31

HE + 489 2-Way Mini Speaker

Four 2¹/₂-in drivers. On/off switch; volume control. Uses AC or battery power \$30

HE + 491 Powered Mini Speaker

Four 2¹/₄-in full-range drivers; built-in amp/EQ. Features power on/off LED indicator. FR 100-15,000 Hz. Includes aux jack for use with AC adaptor. Operates on 4 C batteries \$22

HE + 488 Powered Mini Speaker

2¹/₄-in drivers; built-in amp. Battery powered \$20

HE + 492 Mini Speaker

3-in driver. FR 100-15,000 Hz; sens 98 dB; imp 8 ohms \$15.49

HE + 417 Powered Mini Speaker

Features mini-plug input; on/off LED indicator. FR 300-18,000 Hz; imp 8 ohms. Operates on 2 AA batteries \$12.89

HE + 416 Mini Speaker

1¹/₄-in driver. Features cassette compartment; mini plug. FR 300-18,000 Hz; imp 8 ohms \$7.79

HE + 490 Mini Speaker

2¹/₄-in driver. FR 100-15,000 Hz; sens 90 dB; imp 8 ohms \$7.19

JBL

Model 250 Ti 4-Way Speaker

14-in woofer, 8-in midbass, 5-in polypropylene midrange, and 1-in titanium-diaphragm tweeter. Power

handling 400 W cont avg; imp 8 ohms; crossover points 400, 1,400, and 5,200 Hz; sens 90 dB SPL/W/m. Black-lacquer finish. 22¹/₂ x 52 x 14¹/₈ in; 126 lb \$2,499

B460 Subwoofer

18-in driver. Power handling 800 W max. Hand-oiled American black-walnut finish \$2,150

XPL 200 4-Way Speaker

12-in die-cast aquaplas-laminate woofer, 6¹/₂-in die-cast polypropylene midbass, 3-in titanium-dome midrange, and 1-in titanium-dome tweeter. Power handling 800 W max; sens 90 dB SPL/W/m; nom imp 6 ohms; crossover points 300, 1,100, and 4,500 Hz. Black-lacquer finish. 16 x 39⁵/₈ x 14 in; 90 lb \$1,699

XPL 160 3-Way Speaker

10-in die-cast aquaplas-laminate woofer, 3-in titanium-dome midrange, and 1-in titanium-dome tweeter. Power handling 600 W max; sens 90 dB SPL/W/m; nom imp 6 ohms; crossover points 800 and 4,000 Hz. Black-lacquer finish. 14³/₄ x 33¹/₈ x 12¹/₈ in; 62 lb \$1,249

XPL 140. As above, 8-in woofer. Power handling 500 W max; sens 88 dB SPL/W/m; crossover points 900 and 4,000 Hz. Black-lacquer finish. 13¹/₄ x 30³/₈ x 11⁷/₈ in; 55 lb \$999

L7 4-Way Speaker

12-in aquaplas woofer, 8-in die-cast midbass, 5-in die-cast mineral-filled polypropylene midrange, and 1-in titanium-dome tweeter. Power handling 450 W; FR 30-27,000 Hz; sens 91 dB; imp 6 ohms. Black-ash veneer finish. 9⁵/₈ x 46 x 17¹/₈ in; 75 lb \$975

HP520 4-Way Speaker

Double-chamber band-pass enclosure with two 8-in woofers, 6¹/₂-in midbass, 5-in polymer-laminate midrange, and 1-in tweeter. Power handling 200 W; FR 34-27,000 Hz \pm 3 dB; sens 90 dB; nom imp 4 ohms. 14³/₈ x 39 x 12⁵/₈ in; 55 lb \$795

L5 4-Way Speaker

8-in die-cast woofer, 6¹/₂-in die-cast midbass, 5-in die-cast mineral-filled polypropylene midrange, and 1-in titanium-dome tweeter. Power handling 350 W; FR 35-27,000 Hz; sens 90 dB; imp 6 ohms. Black-ash veneer finish. 9⁵/₈ x 36¹/₂ x 13 in; 54 lb \$665

XPL 90 2-Way Bookshelf Speaker

6¹/₂-in die-cast polypropylene woofer and 1-in titanium-dome tweeter. Power handling 400 W max; sens 87 dB SPL/W/m; nom imp 6 ohms; crossover point 3,000 Hz. Black-lacquer finish. 9¹/₂ x 15¹/₂ x 9³/₄ in; 40 lb \$649

HP420 3-Way Speaker

Double-chamber band-pass enclosure with two 6¹/₂-in woofers, 5-in polymer-laminate midrange, and 1-in pure titanium-dome tweeter. Power handling 150 W; FR 40-27,000 Hz \pm 3 dB; sens 89 dB; nom imp 4 ohms. Black-ash finish with black-glass top. 11⁷/₈ x 34³/₈ x 10¹/₂ in; 38 lb \$595

L3 2-Way Speaker

8-in die-cast woofer and 1-in titanium-dome tweeter. Power handling 250 W; FR 47-27,000 Hz; sens 89 dB; imp 8 ohms. Black-ash veneer finish. 9⁵/₈ x 32¹/₈ x 12 in; 37 lb \$445

LX600 3-Way Bookshelf Speaker

10-in polymer-laminate woofer, 5-in polymer-laminate midrange, and 1-in titanium-dome tweeter. Power handling 200 W; FR 40-23,000 Hz \pm 6 dB; sens 91 dB; imp 8 ohms. Black vinyl finish. 12⁷/₈ x 26¹/₄ x 12¹/₄ in; 39 lb \$429

S-4 2-Way In-Wall Speaker

6¹/₂-in polymer-laminate woofer and 1-in titanium-dome tweeter. Includes mounting frame and hardware. Power handling 100 W; FR 125-22,000 Hz; imp 4 ohms; sens 88 dB SPL/W/m. 8³/₄ x 12 x 3⁵/₈ in; 16 lb \$329/pr

S-4SPK2. As above, without mounting frame or

hardware \$229/pr
S-4KIT4P. Mounting frame and hardware \$159/pr

LX500 3-Way Bookshelf Speaker

10-in polymer-laminate woofer, 5-in polymer-laminate midrange, and 1-in titanium-dome tweeter. Power handling 150 W; FR 45-23,000 Hz \pm 6 dB; sens 90 dB; imp 8 ohms. Black vinyl finish. 10⁷/₈ x 23⁵/₈ x 12³/₈ in; 34 lb \$319

L1 2-Way Bookshelf Speaker

6¹/₂-in die-cast woofer and 1-in titanium-dome tweeter. Power handling 200 W; FR 45-27,000 Hz; sens 87 dB; imp 8 ohms. Black-ash veneer finish. 8¹/₄ x 15⁷/₈ x 10 in; 16.5 lb \$300

S-3 2-Way In-Wall Speaker

5¹/₄-in polymer-laminate woofer and 1-in titanium-dome tweeter. Includes mounting frame and hardware. Power handling 100 W; FR 125-22,000 Hz; imp 4 ohms; sens 86 dB SPL/W/m. 7¹/₄ x 10¹/₂ x 3⁵/₈ in; 14 lb \$249/pr

S-3SPK2. As above, without mounting frame or hardware \$219/pr

S-3KIT4P. Mounting frame and hardware \$139/pr

LX300 2-Way Bookshelf Speaker

6¹/₂-in polymer-laminate woofer and 1-in titanium-dome tweeter. Power handling 125 W; FR 50-23,000 Hz \pm 6 dB; sens 90 dB; imp 8 ohms. Black vinyl finish. 9¹/₄ x 16 x 9⁵/₈ in; 18 lb \$198

J2080 2-Way Bookshelf Speaker

8-in polymer-laminate woofer and 1/2-in titanium-dome tweeter. Power handling 125 W; FR 40-23,000 Hz \pm 6 dB; sens 89 dB; imp 8 ohms. Oak vinyl finish. 11 x 22¹/₂ x 10 in; 20 lb \$169

J2060 2-Way Bookshelf Speaker

6¹/₂-in polymer-laminate woofer and 1/2-in titanium-dome tweeter. Power handling 100 W; FR 45-23,000 Hz \pm 6 dB; sens 89 dB; imp 8 ohms. Oak vinyl finish. 9 x 17 x 8¹/₂ in; 12 lb \$129

J2050 2-Way Bookshelf Speaker

5¹/₄-in polymer-laminate woofer and 1/2-in titanium-dome tweeter. Power handling 100 W; FR 70-23,000 Hz \pm 6 dB; sens 88 dB; imp 8 ohms. Oak vinyl finish. 8 x 12¹/₄ x 6¹/₂ in; 8 lb \$99

Prose Series

Features tuned-port enclosures, vapor-deposited titanium-dome tweeters. Medium walnut vinyl finish with dark charcoal grille.

P50 3-Way Speaker

8-in woofers and 5-in midrange in separate internal chambers, and 1-in tweeter. Power handling 120 W; FR 42-20,000 Hz \pm 6 dB; sens 91 dB; nom imp 6 ohms. 10⁵/₈ x 37⁵/₈ x 12³/₄ in; 36.3 lb \$450

P40 3-Way Bookshelf Speaker

10-in woofer and 5-in midrange in separate internal chambers, and 1-in tweeter. Power handling 100 W; FR 47-20,000 Hz \pm 6 dB; sens 89 dB; nom imp 8 ohms. 12¹/₄ x 23⁵/₈ x 12⁵/₈ in; 26 lb \$325

P30 3-Way Bookshelf Speaker

8-in woofer, 5-in midrange, and 1-in tweeter. Power handling 80 W; FR 50-20,000 Hz \pm 6 dB; sens 89 dB; nom imp 8 ohms. 10³/₄ x 21¹/₄ x 10¹/₂ in; 20 lb \$225

P20 2-Way Bookshelf Speaker

6¹/₂-in woofer and 1-in tweeter. Power handling 60 W; FR 55-20,000 Hz \pm 6 dB; sens 88 dB; nom imp 6 ohms. 9¹/₄ x 15 x 8³/₈ in; 12.1 lb \$135

P10 2-Way Bookshelf Speaker

5¹/₄-in woofer and 1/2-in tweeter. Power handling 50 W; FR 70-20,000 Hz \pm 6 dB; sens 87 dB; nom imp 6 ohms. 7¹/₈ x 12¹/₄ x 8³/₈ in; 8 lb \$99

ProPerformer Series

Features magnetic shielding, black finish, and black mounting brackets.

Review your options



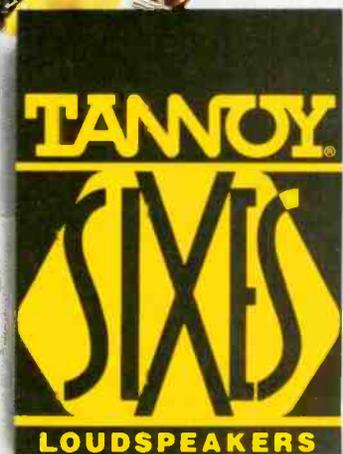
SAN FRANCISCO CHRONICLE - Harry Somerfield Model: 605
"The sound stage created by this speaker system is especially convincing."

HIGH PERFORMANCE REVIEW - Duncan & Adrienne Hartley
*"The 607s give you the sound reproduction of much more expensive speakers
Very highly recommended"*

STEREO REVIEW - Julian Hirsch
*"Apart from an extraordinary smoothness and lack of coloration, the Model 603's
projected one of the best sound stages I have heard in our listening room. The speakers
almost disappeared, leaving the sound filling the end of the room and extending well back of the speakers. A speaker of this
size and price simply should not sound that good given the laws of physics and economics."*

AUDIO MAGAZINE - D.B. Keele, Jr.
*"These speakers presented a wide, very realistic sound stage with an excellent uniformity of coverage."
"These speakers' good looks and reasonable price make them good competitors and quite worthy of audition."*

BOUND FOR SOUND - Martin DeWulf Model: 605
*"When the 605s are set up properly, they are a very natural and musically satisfying loudspeaker."
".....imaging.....is pretty much beyond reproach for a speaker at this price point...."*



S P E A K E R S

Pro III Plus 3-Way Speaker

Die-cast polypropylene-foam enclosure with 8-in dual-voice-coil polymer-laminate woofer, 5-in polymer-laminate midrange, and 1-in titanium-dome tweeter. Power handling 100 W; FR 35-27,000 Hz; sens 90 dB; imp 4 ohms. 13 $\frac{3}{4}$ x 15 $\frac{1}{4}$ x 13 $\frac{1}{2}$ in; 41.5 lb \$659/pr

Pro VIII 2-Way In-Wall Speaker

Die-cast polypropylene-foam enclosure with 6 $\frac{1}{2}$ -in polymer-laminate woofer and 1-in titanium-dome tweeter. Power handling 150 W max; sens 90 dB; imp 6 ohms \$429/pr

Pro III 2-Way Speaker

Die-cast polypropylene-foam enclosure with 5-in polymer-laminate woofer and 1-in titanium-dome tweeter. Power handling 100 W; FR 65-27,000 Hz; sens 90 dB; imp 4 ohms \$299/pr

Pro Performer Full-Range Speaker

4 $\frac{1}{2}$ -in treated-fiber full-range driver. Power handling 60 W; FR 100-18,000 Hz; sens 88; imp 6 ohms. Includes mounting hardware. 6 x 6 $\frac{1}{4}$ x 5 $\frac{1}{2}$ in; 4 lb \$199/pr

A VP3 2-Way Center-Channel Speaker

Die-cast polypropylene-foam enclosure with 5-in polymer-laminate woofer and 1-in titanium-dome tweeter. Power handling 100 W; FR 65-27,000 Hz; sens 90 dB; imp 4 ohms. Includes MTC-8 L-bracket and safety chain for wall mounting. 6 $\frac{1}{4}$ x 9 $\frac{1}{4}$ x 5 $\frac{5}{8}$ in; 12.5 lb \$169

JENSEN

Model 3152 3-Way Speaker

Bass-reflex design with 15-in woofer, 5-in cone midrange, and 3-in ferrofluid-filled cone tweeter. Power handling 80 W rms; FR 33-21,000 Hz; sens 94 dB SPL/W/m; imp 8 ohms. Hickory finish. 18 $\frac{1}{2}$ x 32 x 11 $\frac{1}{2}$ in; 35 $\frac{1}{2}$ lb \$400/pr

Model 3080 2-Way Speaker

Bass-reflex design with two 8-in woofers and 3-in ferrofluid-filled cone tweeter. Power handling 60 W rms; frequency response 43-21,000 Hz; sensitivity 91 dB SPL/W/m; imp 6-8 ohms. Hickory or oak finish. 10 $\frac{1}{2}$ x 38 $\frac{1}{2}$ x 13 in \$360/pr

Model 3122 3-Way Speaker

Bass-reflex design with 12-in woofer, 5-in cone midrange, and 3-in ferrofluid-filled cone tweeter. Power handling 60 W rms; FR 43-21,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Hickory or oak finish. 15 $\frac{1}{2}$ x 29 x 9 $\frac{3}{4}$ in; 28.5 lb \$285/pr

Model 1255 Subwoofer/Satellite System

Subwoofer with 12-in driver, and two satellites, each with 5-in midrange and 3-in ferrofluid-filled cone tweeter. Power handling 60 W rms; FR 43-21,000 Hz; sens 91 dB SPL/W/m; imp 6 ohms. Hickory finish. Subwoofer: 17 x 22 x 11 in. Satellites: 8 $\frac{7}{8}$ x 12 $\frac{5}{8}$ x 5 $\frac{3}{8}$ in \$250

Model 3103 3-Way Speaker

10-in woofer, 5-in cone midrange, and 3-in ferrofluid-filled cone tweeter. Power handling 50 W rms; FR 48-21,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Hickory finish. 13 x 26 x 10 $\frac{1}{2}$ in \$220/pr

Model 2652 2-Way Speaker

6 $\frac{1}{2}$ -in woofer and 3-in ferrofluid-filled cone tweeter. Power handling 50 W rms; FR 55-21,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Hickory or oak finish. 11 x 15 x 6 in \$120

JOSEPH AUDIO

RM-10 2-Way Speaker

Tuned-port design with 8-in woofer and 1-in soft-dome tweeter. Features design by Richard Modafferi; 100-dB/oct crossover; computer-optimized bass loading and crossover design; die-cast woofer basket. Power handling 150 W; sens 90 dB SPL/W/m;

FR 38-20,000 Hz \pm 2 dB. Black- or light-oak finish. 11 x 36 x 12 in \$1,500/pr

JPW

AP3 2-Way Speaker

Infinite-baffle design with 8-in doped paper-cone woofer and 3/4-in soft-plastic-dome tweeter with ferrofluid cooling. Biwire terminals. Power handling 100 W cont; FR 5-20,000 Hz \pm 3 dB; sens 100 dB SPL/W/m; imp 8 ohms. Walnut, black-ash or blond-ash finish. 10 x 20 x 11 in; 26 lb \$695/pr

AP2. As above, power handling 80 W cont; FR 65-20,000 Hz \pm 3 dB; sens 80 dB SPL/W/m. 10 x 17 x 10 in; 21 lb \$525/pr

P1. As above, no biwire terminals. Power handling 70 W cont; sens 90 dB SPL/W/m. 17 lb \$450/pr

Sonata Plus 2-Way Speaker

6 $\frac{1}{2}$ -in paper-cone woofer with PVC surround and 1-in aluminum-dome tweeter with ferrofluid cooling. Biwire terminals. Power handling 70 W cont; FR 70-20,000 Hz \pm 3 dB. Walnut-ash, black-ash, or blond finish. 9 x 13 x 8 $\frac{1}{2}$ in; 11 lb \$395/pr

Sonata 2-Way Bookshelf Speaker

6 $\frac{1}{2}$ -in paper-cone woofer with PVC surround and 1/2-in ferrofluid-cooled dome tweeter. Power handling 70 W cont; FR 70-20,000 Hz \pm 3 dB. Walnut, blond-ash, or black-ash finish. 9 x 13 x 8 $\frac{1}{2}$ in; 10 lb \$335/pr

Minim 2-Way Speaker

5-in paper-cone woofer with foam surround and 1/2-in dome tweeter with ferrofluid cooling. Biwire terminals. Power handling 70 W cont; FR 70-20,000 Hz \pm 3 dB. Black vinyl. 7 x 7 x 8 in; 6 lb \$250/pr

JRM

Reference System 4-Way Powered System

9-piece system: two 18-in subwoofers; 7 satellites, each with four 8-in midbasses, horn midrange, and horn tweeter. Preamp; 6-band remote EQ; 4-way active crossover; two 750-W mono power amps \$15,000

Monitor Powered Subwoofer/Satellite System

3-piece system with 4-way stereo configuration. Subwoofer with two 12-in polypropylene drivers, and 2 satellites, each with three 6 $\frac{1}{2}$ -in midbasses, 3-in midrange, and two piezo horn tweeters. Subwoofer houses 7-way active crossover with 7 level controls and seven 350-W (into 2 ohms) amps. Features time-aligned drivers; protection circuitry \$5,500
As above, with two subwoofers \$7,500
250-VA, 21,000-Hz power supply \$75

VLS Satellite Tower 3-Way Speaker

Sealed, vertical-line-source design with six 6 $\frac{1}{2}$ -in polypropylene midbasses, three 27-in diffraction-horn midranges, and 1 $\frac{7}{8}$ -in horn-tweeter. Features adjustable time-aligned drivers; uniform 140° horizontal dispersion. Power handling 50 W min; FR 20-20,000 Hz \$2,800

HLS Pro Satellite. As above, horizontal line-source with six 10-in midbasses, midrange drivers, and 2 tweeters \$3,700

S18B-5 Powered Subwoofer

Proprietary alignment with 18-in driver. Features 2-way active crossover with bass/midbass EQ. Woofer: FR 20-200 Hz. Amp: 200 W x 1 cont avg; THD 0.02%; SN 102 dB; slew rate 100 V/ μ s. Crossover: THD 0.001%; SN 94 dB. 8-cu-ft box \$2,500

S15A-5 Powered Subwoofer

Proprietary alignment with 15-in driver. Features 2-way active crossover with bass/midbass EQ. Woofer: FR 20-250 Hz. Amp: 200 W x 1 cont avg; THD 0.02%; SN 102 dB; slew rate 100 V/ μ s. Crossover: THD 0.001%; SN 94 dB \$2,200

D15A-5 Powered Subwoofer

Proprietary alignment with two 15-in polypropylene drivers. Features 2-way active crossover with bass/

midbass EQ. Woofer: FR 19-300 Hz. Amp: 500 W x 1 cont avg; THD 0.02%; SN 102 dB; slew rate 100 V/ μ s. Crossover: THD 0.001%; SN 94 dB. 10-cu-ft box \$2,200

D12A-5 Powered Subwoofer

Proprietary alignment with two 12-in drivers. Features 2-way active crossover with bass-midbass EQ. Woofer: FR 19-400 Hz. Amp: 500 W x 1 cont avg; THD 0.02%; SN 102 dB; slew rate 100 V/ μ s. Crossover: THD 0.001%; SN 94 dB. 6-cu-ft box \$2,000

S18B Subwoofer

QB3 vented design with 18-in driver. Power handling 200 W min; FR 30-8,250 Hz \pm 1.5 dB; sens 95 SPL/W/m; imp 8 ohms. 8-cu-ft box; 150 lb \$1,100

S15A Subwoofer

QB3 vented design with 15-in driver. Power handling 200 W; FR 30-300 Hz \pm 1.5 dB; sens 92 SPL/W/m; imp 8 ohms. Optional finish. 6-cu-ft box; 130 lb \$875

D12A Subwoofer

QB3 vented design with two 12-in woofers. Power handling 200 W min; FR 27-450 Hz \pm 1.5 dB; sens 89 SPL/W/m; imp 2/4/8 ohms. Optional finish. 9-cu-ft box \$800

JS AUDIO

The following are available in a variety of finishes including oak, black-oak, and walnut.

DC1 3-Way Speaker

Vented design with two 10-in woofers, two 4-in cone midranges, and four 1-in dome tweeters. FR 22-20,000 Hz \pm 2 dB; sens 96 dB SPL/W/m; imp 8 ohms; crossover points 400, 4,000, and 10,000 Hz. 8 x 61 x 16 in; 100 lb \$5,400/pr

Model 612P 3-Way Speaker

Vented design with two 12-in woofers, two 5-in cone midranges, and four 1-in dome tweeters. FR 24-22,000 Hz \pm 3 dB; sens 99 dB SPL/W/m; imp 8 ohms; crossover points 600, 4,000, and 10,000 Hz. 16 x 74 x 12 in; 150 lb \$4,800/pr

Mesa II 4-Way Speaker

Transmission-line design with 12-in woofer, 2-in dome midrange, 1 $\frac{1}{2}$ -in horn tweeter, and 1-in horn tweeter. FR 25-25,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 400, 3,000, and 10,000 Hz. 16 x 33 x 15 in; 90 lb \$4,000/pr

Model 415P 3-Way Speaker

Vented design with 15-in woofer, 5-in cone midrange, and three 1-in dome tweeters. FR 22-24,000 Hz \pm 3 dB; sens 99 dB SPL/W/m; imp 8 ohms; crossover points 600, 4,000, and 12,000 Hz. 19 x 36 x 12 in; 100 lb \$2,800/pr

Model 412P 3-Way Speaker

Vented design with 12-in woofer, 5-in cone midrange, and two 1-in dome tweeters. FR 24-40,000 Hz \pm 3 dB; sens 98 dB SPL/W/m; imp 8 ohms; crossover points 600, 4,000, and 10,000 Hz. 16 x 27 x 12 in; 75 lb \$2,000/pr

Model 313N 3-Way Speaker

Vented design with 13-in woofer, 4-in cone midrange, and 1-in dome tweeter. Frequency response 25-22,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 600 and 3,000 Hz. 16 x 32 x 12 in; 80 lb \$1,800/pr

Model 310N 3-Way Speaker

Vented design with 10-in woofer, 4-in cone midrange, and 1-in dome tweeter. Frequency response 32-22,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 700 and 3,000 Hz. 14 x 24 x 10 in; 60 lb \$1,500/pr

Model 310P 3-Way Speaker

Vented design with 10-in woofer, 5-in cone midrange, and 1-in dome tweeter. FR 28-22,000 Hz \pm 3

S P E A K E R S

dB; sens 95 dB SPL/W/m; imp 8 ohms; crossover points 700 and 4,000 Hz \$1,500/pr

Model 38P 3-Way Speaker

Vented design with 8-in woofer, 3-in cone midrange, and 1-in dome tweeter. FR 32-22,000 Hz \pm 3 dB; sens 93 dB SPL/W/m; imp 8 ohms; crossover points 700 and 4,000 Hz. 12 x 19 x 10 in; 33 lb. \$1,100/pr

Subwoofer

Vented design with 15-in driver. FR 20-120 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 120 Hz. 18 x 18 x 19 in; 78 lb \$900

Model 26P 2-Way Speaker

Vented design with 6-in woofer and 1-in dome tweeter. FR 40-22,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. 10 x 16 x 11 in; 23 lb \$600/pr

Model 28P 2-Way Speaker

Acoustic-suspension design with 8-in woofer and 1-in dome tweeter. FR 38-22,000 Hz \pm 4 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. 12 x 19 x 10 in; 25 lb \$600/pr

Model 26J 2-Way Speaker

Acoustic-suspension design with 6-in woofer and 1-in dome tweeter. FR 46-21,000 Hz \pm 4 dB; sens 94 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. 8 x 12 x 8 in; 18 lb \$450/pr

JVC

SP-XS6BK Full-Range Speaker

Acoustic-suspension design with 5-in full-range driver. Features column shape. Power handling 45 W; FR 50-12,000 Hz; sens 83 SPL/W/m; imp 8 ohms. 8 x 26 $\frac{3}{8}$ x 8 in; 10.4 lb \$180/pr

KBA

XL-5 2-Way Powered Speaker

4 $\frac{3}{8}$ -in woofer and 2-in tweeter. Features Class-B, 20 W x 2 amplifier. LR level controls. Wedge shaped. FR 20-25,000 Hz \pm 1 dB; sens 80 dB; headroom 17 dB; damping factor 1,000 into 4 ohms. 11 $\frac{1}{2}$ -in high x 7 $\frac{1}{2}$ -in wide; 8.5 lb \$160

KEF

Q90 3-Way Speaker

Reflex-loaded 8-in woofer with 1 $\frac{1}{2}$ -in voice coil, 8-in midrange with 1 $\frac{1}{2}$ -in voice coil, and 1-in polymer-dome tweeter. Power handling 150 W; FR 40-20,000 Hz \pm 3 dB; sens 89 dB; nom imp 8 ohms. 9 $\frac{3}{4}$ x 35 x 12 $\frac{1}{2}$ in; 41.1 lb \$999/pr

Q80 2-Way Speaker

8-in woofer with 1 $\frac{1}{2}$ -in voice coil, 8-in passive radiator, and 1 $\frac{1}{2}$ -in fluid-cooled polymer-dome tweeter. Power handling 125 W; FR 57-20,000 Hz \pm 3 dB; sens 89 dB; nom imp 8 ohms \$799/pr

Q60 2-Way Bookshelf Speaker

Reflex-loaded 8-in woofer with 1 $\frac{1}{2}$ -in voice coil and 1-in fluid-cooled polymer-dome tweeter. Power handling 100 W; FR 60-20 Hz \pm 3 dB; sens 90 dB; nom imp 8 ohms; max output 110 dB \$599/pr

K160 2-Way Speaker

8-in woofer with 1-in voice coil, 8-in passive radiator, and 1-in fluid-cooled dome tweeter. Power handling 125 W; FR 48-20,000 Hz \pm 3 dB; sens 89 dB; nom imp 8 ohms. 10 $\frac{1}{4}$ x 28 $\frac{3}{8}$ x 9 $\frac{1}{8}$ in; 26 lb \$549/pr

K140 2-Way Wall/Shelf-Mount Speaker

8-in woofer with 1-in voice coil and 1-in fluid-cooled dome tweeter. Power handling 100 W; FR 55-20,000 Hz \pm 3 dB; sens 89 dB; nom imp 8 ohms. 10 $\frac{1}{4}$ x 19 $\frac{1}{4}$ x 9 $\frac{1}{8}$ in; 19.3 lb \$399/pr

K120 2-Way Wall/Shelf-Mount Speaker

6 $\frac{1}{2}$ -in woofer with 1-in voice coil and 1-in fluid-cooled dome tweeter. Power handling 80 W; FR 65-20,000

Hz \pm 3 dB; sens 87 dB; nom imp 8 ohms. 8 $\frac{1}{8}$ x 13 $\frac{1}{4}$ x 9 $\frac{3}{4}$ in; 9 lb \$249

Reference Series

Model 107/2 3-Way Speaker

Coupled-cavity design with two 10-in woofers, each rear-loaded in sealed enclosure, feeding common ported enclosure. Woofers joined by force-canceling rod to reduce vibrations. Pivoting midrange/tweeter head assembly with 5-in polypropylene-cone midrange and 1-in aluminum-dome tweeter. Conjugate load-matching network; biwire/biamp terminals. Kube 107/2 active EQ provides fixed mid- and high-frequency EQ and adjustable bass EQ. Power handling 300 W cont avg; FR 20-20,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; imp 4 ohms. Genuine walnut, black-ash, or rosewood-veneer finish. 13 x 46 x 17 $\frac{3}{8}$ in; 99 lb \$5,900/pr

Model 105/3 4-Way Speaker

Uni-Q driver with $\frac{3}{4}$ -in soft-dome tweeter at apex of 6 $\frac{1}{2}$ -in midrange driver's cone; two 6 $\frac{1}{2}$ -in midbass drivers, above and below Uni-Q enclosure; two 8-in woofers in coupled-cavity enclosure with 6 $\frac{1}{2}$ -in port. Woofers joined by force-canceling rod to reduce vibrations; conjugate load-matching network; biwire/biamp terminals. Power handling 300 W cont; FR 49-20,000 Hz \pm 2.5 dB; sens 93 dB SPL/W/m; imp 4 ohms. Genuine walnut or black-ash veneer finish. 11 x 43 $\frac{1}{2}$ x 16 in; 93 lb \$3,900/pr

Model 103/4 3-Way Speaker

Vertically aligned 6 $\frac{1}{2}$ -in woofers in coupled-cavity Uni-Q with 1-in neodymium-dome tweeter. Conjugate load-matching network. Biwire/biamp terminals. Power handling 200 W max; FR 50-20,000 Hz \pm 2.5 dB; sens 91 dB. Rosewood or black-ash veneer finish. 8 $\frac{1}{2}$ x 12 x 35 $\frac{1}{2}$ in; 40 lb \$1,800/pr

Model 102/2 3-Way Speaker

Uni-Q driver with 6 $\frac{1}{2}$ -in polypropylene-cone midrange and $\frac{3}{4}$ -in soft-dome tweeter, 6 $\frac{1}{2}$ -in long-excursion woofer in coupled-cavity enclosure. Conjugate load-matching network. Power handling 150 W cont; FR 50-20,000 Hz \pm 2.5 dB; sens 89 dB SPL/W/m; imp 4 ohms. Genuine walnut or black-ash veneer finish. 8 $\frac{1}{2}$ x 20 x 10 $\frac{1}{4}$ in; 24 lb \$1,200/pr

Model 101/2 2-Way Bookshelf Speaker

Uni-Q driver with 6 $\frac{1}{2}$ -in polypropylene-cone woofer and $\frac{3}{4}$ -in soft-dome tweeter in sealed enclosure. Power handling 150 W cont; FR 50-20,000 Hz \pm 2.5 dB; sens 88 dB SPL/W/m; imp 4 ohms. Walnut or black-ash veneer finish \$800/pr

Kube 200. Active EQ for Models 105/2, 102/2, and 101/2. User-adjustable low-frequency EQ (below 160 Hz) and high-frequency EQ (above 1,000 Hz) \$400

Kube 100. Active EQ for Models 101/2, 102/2, 103/4, and 105/3 \$200

KENWOOD

KS-H91 3-Way Speaker

Bass-reflex design with 15-in woofer, 6 $\frac{1}{2}$ -in midrange, and 2-in tweeter. Power handling 180 W max; sens 92 dB SPL/W/m; FR 30-20,000 Hz; crossover points 2,000 and 5,000 Hz; imp 8 ohms. Laminated high-density-particleboard enclosure with simulated woodgrain finish. 17 $\frac{3}{8}$ x 30 x 12 $\frac{1}{8}$ in; 36.4 lb \$380

KS-H71. As above, 12-in woofer and 5-in midrange. Power handling 160 W max; FR 35-20,000 Hz. 14 $\frac{1}{2}$ x 36 $\frac{3}{4}$ x 12 $\frac{1}{8}$ in; 29.8 lb \$300/pr

KS-H51. Bookshelf version of KS-H71. 14 $\frac{1}{4}$ x 26 $\frac{3}{4}$ x 12 $\frac{1}{8}$ in; 24.3 lb \$250/pr

KS-H31 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in woofer and 2-in tweeter. Power handling 100 W max; sens 90 dB SPL/W/m; FR 50-20,000 Hz; crossover point 5,000 Hz; imp 8 ohms. Laminated high-density-particleboard enclosure with simulated woodgrain finish. 12 $\frac{7}{8}$ x 22 $\frac{3}{8}$ x 8 $\frac{3}{4}$ in; 15.5 lb \$150/pr

CS-01 Center-Channel Speaker

Two 4-in drivers. Designed for surround systems. Features magnetic shielding. Power handling 80 W max; sens 90 dB SPL/W/m; FR 70-20,000 Hz; imp 8 ohms. Black laminated high-density-particleboard enclosure with simulated woodgrain finish. 17 $\frac{3}{8}$ x 4 $\frac{3}{8}$ x 12 $\frac{1}{8}$ in; 11.2 lb \$150

AS-5 Powered Speaker

Full-range driver. Portable design for use with pocket stereos. Features automatic bass-boost circuitry; magnetic shielding. Two line-level inputs with source-selector switch; line-level subwoofer output. Volume control. 3 W x 2 output \$150/pr

LSK-06K Surround Speaker

Acoustic-suspension design with 4-in full-range driver. Designed for rear-channel applications. Features pentagonal cabinet with 90° angle for corner mounting. Power handling 40 W max; FR 80-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Laminated high-density-particleboard enclosure with simulated woodgrain finish. Includes wall-mounting brackets. 7 $\frac{3}{4}$ x 10 $\frac{7}{8}$ x 5 $\frac{3}{4}$ in; 3.5 lb \$99/pr

LSK-02K. As above, cabinet not pentagonal. 5 $\frac{1}{2}$ x 7 $\frac{1}{2}$ x 5 $\frac{1}{8}$ in; 2.8 lb \$69/pr

KINETIC AUDIO

The following are available with rounded, slanted, elliptical, or square sides. Veneered panels are optional.

Trapezoid 4-Way Speaker

Vented design with 12-in mineral-filled polymer-cone woofer, 6 $\frac{1}{2}$ -in mineral-filled polymer-cone midrange, 1-in dome tweeter, and $\frac{3}{4}$ -in dome supertweeter. Features tweeter cooling and damping; level controls; linear-phase driver arrangement. Power handling 200 W max; FR 18-22,000 Hz \pm 2.5 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 180, 2,000, and 9,000 Hz. Contemporary-styled cabinet. 16 x 40 x 14 in; 105 lb \$2,500/pr

Identity (Impulse) 3-Way Speaker

12-in mineral-filled polymer-cone woofer, 6 $\frac{1}{2}$ -in mineral-filled polymer-cone midrange, and 1-in dome tweeter with tweeter cooling and damping; replaceable voice-coil dome diaphragm. Features linear-phase driver arrangement; level controls. Power handling 200 W max; FR 18-22,000 Hz \pm 2.5 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 180 and 2,000 Hz. Contemporary-styled enclosure, utility finish. 14 $\frac{1}{2}$ x 26 x 14 in; 75 lb \$1,500/pr

Trapezoid Subwoofer

12-in mineral-filled polypropylene driver. Features dual voice coils; 180-Hz passive crossover with woofer bypass terminals; 5-way binding posts; biamp/biwire terminals. Power handling 350 W max; frequency response 16-2,000 Hz \pm 1.5 dB; sens 92 dB SPL/W/m; imp 2, 4, or 8 ohms. Walnut- or oak-veneer enclosure and front panel; black grille. 16 x 40 x 14 in. 95 lb \$1,500/pr

Utility finish, without grille \$900/pr

Stat Subwoofer

Ported design with 12-in mineral-filled polypropylene driver. Features dual voice coils; 180-Hz crossover with woofer bypass terminals; 5-way binding posts; biamp/biwire terminals. Power handling 350 W max; FR 18-2,000 Hz \pm 2 dB; sens 93 dB SPL/W/m; imp 2, 4, or 8 ohms. Walnut- or oak-veneer enclosure; black grille. 14 $\frac{1}{2}$ x 26 x 14 in; 85 lb \$900/pr

Utility finish, without grille \$700/pr

Stat 2-Way Speaker

Vented design with 8-in mineral-filled polymer-cone woofer and 1-in dome tweeter with tweeter cooling and damping; replaceable voice-coil dome diaphragm. Features linear-phase driver arrangement; level controls. Power handling 100 W max; FR 38-20,000 Hz \pm 2.5 dB; sens 92 dB SPL/W/m; imp 6 ohms; crossover point 2,000 Hz. Contemporary-styled cabinet. 10 x 16 x 9 in; 40 lb \$900/pr

AM/EURO Series**Nonpareil 6-Way Speaker**

Two 12-in mineral-filled polymer-cone woofers, 6½-in mineral-filled polymer-cone midrange, 2-in dome midtweeter, 1-in dome tweeter, and ¾-in supertweeter. Features liquid tweeter cooling and damping; cross-vented magnet structures; 5-way binding posts; linear-phase driver arrangement in mirror-image pairs; front-panel fuses; level controls. Power handling 200 W max; FR 12-22,000 Hz ± 1.5 dB; sens 91 dB SPL/W/m; imp 6 ohms; selectable crossover points 60, 90, 180, 500, 750, 3,000, 3,500, 7,000, and 9,000 Hz. Biamp/triamp terminals. Includes stands, pointed stems, and casters. European-style walnut- or oak-veneer cabinet with rounded black grille. 16 x 60 x 24 in; 265 lb \$10,000/pr

Trapezium 5-Way Speaker

12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, 2-in midtweeter, 1-in dome tweeter, and ¾-in dome supertweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures; 5-way binding posts; linear-phase driver arrangement in mirror-image pairs; front-panel fuse; level controls. Triamp/biamp terminals. Power handling 200 W max; FR 12-22,000 Hz ± 1.5 dB; sens 91 dB SPL/W/m; imp 6 ohms; selectable crossover points 90, 180, 500, 750, 3,000, 3,500, 7,000, and 9,000 Hz. Includes stands, pointed stems, and casters. European-style walnut- or oak-veneer cabinet with rounded black grille. 14½ x 60 x 22 in; 215 lb \$8,500/pr

Labyrinth 4-Way Speaker

12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, 2-in dome midtweeter, and 1-in dome tweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures; linear-phase driver arrangement in mirror-image pairs; front-panel fuse. Triamp/biamp terminals; 5-way binding posts. Level controls. Power handling 200 W max; FR 16-22,000 Hz ± 1.5 dB; imp 6 ohms; selectable crossover points 90, 180, 500, 750, 3,000, and 3,500 Hz. Includes stands, pointed stems, and casters. European-style walnut- or oak-veneer cabinet with rounded black grille. 14½ x 48 x 20 in; 185 lb \$7,000/pr

Trapezoid Plus 4-Way Speaker

12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, 2-in mid-tweeter, 1-in dome tweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures; terminal cluster; linear-phase driver arrangement in mirror-image pairs; front-panel fuses; level controls. Triamp/biamp terminals; 5-way binding posts. Power handling 200 W max; FR 18-22,000 Hz ± 1.5 dB; imp 8 ohms; selectable crossover points 90, 180, 750, 1,000, 7,000, and 9,000 Hz. Includes stands, pointed stems, and casters. European-style walnut- or oak-veneer cabinet with rounded black grille. 14½ x 48 x 16 in; 120 lb \$5,000/pr

Identity 3-Way Speaker

12-in mineral-filled polymer-cone woofer, 2-in dome midrange, and 1-in titanium-dome tweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures; linear-phase driver arrangement in mirror-image pairs; front-panel fuse; level controls. Triamp/biamp terminals; 5-way binding posts. Power handling 200 W max; FR 18-22,000 Hz ± 1.5 dB; sens 92 dB SPL/W/m; imp 8 ohms; selectable crossover points 750, 1,000, 4,000, and 6,000 Hz. European-style walnut- or oak-veneer cabinet with rounded black grille. 14½ x 36 x 16 in; 95 lb \$3,000/pr

Stat 2-Way Speaker

Vented design with 8-in mineral-filled polymer-cone woofer and 1½-in synthetic-dome tweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures; linear-phase driver arrangement in mirror-image pairs; front-panel fuse. Biamp/biwire terminals; 5-way binding posts. Level controls. Power handling 100 W max; FR 38-22,000 Hz ± 1.5 dB;

sens 93 dB SPL/W/m; imp 8 ohms; selectable crossover points 1,800 and 2,800 Hz. European-style walnut- or oak-veneer cabinet with rounded black grille. 10 x 26 x 10 in; 45 lb \$2,000/pr

Standard Series**Titan/Trapezium 6-Way Speaker**

Vented design with two 12-in mineral-filled polymer-cone woofers, 6½-in mineral-filled polymer-cone midrange, 2-in textile-dome midtweeter, 1½-in synthetic-dome tweeter, ¾-in synthetic-dome supertweeter. Features cross-vented magnet structures; 5-way binding posts; linear-phase driver arrangement in mirror-image pairs; biamp/biwire terminals. Power handling 200 W max; FR 12-22,000 Hz ± 2 dB; sens 91 dB SPL/W/m; imp 6 ohms; crossover points 60, 90, 500, 3,000, and 7,000 Hz. Contemporary-style walnut-veneer cabinet with black grille. 18 x 60 x 22 in; 265 lb \$8,000/pr

Trapezium 5-Way Speaker

Vented design with 12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, 2-in dome mid-tweeter, 1½-in synthetic-dome tweeter, and ¾-in synthetic-dome supertweeter. Features liquid tweeter cooling/damping; linear-phase driver arrangement in mirror-image pairs; level controls; biamp/biwire terminals. Power handling 200 W max; FR 12-22,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 90, 500, 3,000, and 7,000 Hz. Walnut-veneer cabinet with rounded black grille. 16 x 60 x 20 in; 250 lb \$6,500/pr

Labyrinth 4-Way Speaker

Vented design with 12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, 2-in synthetic-dome tweeter, and 1½-in synthetic-dome tweeter. Features liquid tweeter cooling/damping; linear-phase driver arrangement in mirror-image pairs; level controls; biamp/biamp terminals. Power handling 200 W max; FR 16-22,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 180, 500, and 3,000 Hz. Walnut-veneer cabinet with nonresonant frame. 16 x 48 x 18 in; 185 lb \$5,000/pr

Trapezoid 4-Way Speaker

Vented design with 12-in mineral-filled polymer-cone woofers, 6½-in mineral-filled polymer-cone midrange, 1½-in synthetic-dome tweeter, and ¾-in synthetic-dome supertweeter. Features liquid tweeter cooling/damping; linear-phase driver arrangement in mirror-image pairs; level controls; biamp/biwire terminals. Power handling 200 W max; FR 18-22,000 Hz ± 2 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 180, 2,000, and 9,000 Hz. Contemporary-style walnut-veneer cabinet with rounded-black grille. 16 x 40 x 14 in; 120 lb \$3,500/pr

Identity (Impulse) 3-Way Speaker

Vented design with 12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, and 1½-in synthetic-dome tweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures; linear-phase driver arrangement in mirror-image pairs; level controls; biamp/biwire terminals. Power handling 200 W max; FR 18-22,000 Hz ± 2.5 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 180 and 2,000 Hz \$2,000/pr

Stat Miniature Monitor 2-Way Speaker

Vented design with 6½-in mineral-filled polymer-cone woofer and 1½-in synthetic-dome tweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures; linear-phase driver arrangement in mirror-image pairs; level control; biamp/biwire terminals. Power handling 100 W max; FR 38-22,000 Hz ± 2.5 dB; sens 91 dB SPL/W/m; imp 6 ohms; crossover point 2,000 Hz \$1,500/pr

Architectural In-Wall Speakers**Rex (Trapezoid) 4-Way Speaker**

12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, 2-in dome tweeter,

and 1-in dome supertweeter. Features liquid tweeter cooling and damping; separate subenclosures for tweeters; cross-vented magnet structures; linear phase driver arrangement in mirror-image pairs; level controls. Biamp/triamp terminals. Power handling 200 W max; FR 18-22,000 Hz ± 2.5 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 180, 2,000, and 7,000 Hz. Rounded-black grilles with nonresonant frame. 13 x 38 or 48 x 6½ in; 28 lb \$1,500/pr

Identity 3-Way Speaker

12-in mineral-filled polymer-cone woofer, 6½-in mineral-filled polymer-cone midrange, and 1½-in synthetic-dome tweeter with magnetic-liquid cooling/damping. Features cross-vented magnet structures; linear-phase driver arrangement in mirror-image pairs; level controls. Biamp/biamp terminals. Power handling 200 W max; FR 18-22,000 Hz ± 2.5 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 180 and 2,000 Hz. Rounded black grille with nonresonant frame. 13 x 24 x 7 in; 19 lb \$900/pr

Adaptor. For Identity or Rex. Allows speakers to be fitted into shallow walls. Available in several colors or walnut- or oak-veneer finish. Includes mounting hardware \$150/pr

In-Wall Subwoofer

12-in mineral-filled polymer-cone woofer with dual voice coils. Features 180-Hz passive crossovers with bypass terminals. Power handling 150 W max; FR 20-20,000 Hz ± 2.5 dB; sens 91 dB SPL/W/m; imp 2, 4, or 8 ohms. Removable-rounded grille with nonresonant frame. Available in several colors. 15 lb \$500/pr

Stat Small-Wall 2-Way Speaker

8-in mineral-filled polymer-cone woofer with 30-oz magnet and 1-in dome tweeter with magnetic-liquid cooling/damping. Features replaceable voice-coil dome diaphragm; film capacitors; air-core choke inductor; nonresonant 1-in-thick baffle/panel. Level control. Power handling 100 W max; FR 36-20,000 Hz ± 2.5 dB; sens 90 dB; imp 8 ohms; crossover point 2,000 Hz. Removable rounded grille. Available in several colors. 9 x 14 x 3½ in; 14 lb \$499/pr

KLH

The following feature a 5-year limited warranty.

Calibre 3 Subwoofer/Satellite System

Subwoofer with two 6½-in polymer voice-coil drivers and 2 satellites, each with 4½-in polypropylene-cone midrange, and 1-in ferrofluid-cooled dome tweeter. Power handling 200 W nom; FR 45-20,000 Hz ± 3 dB; imp 6 ohms. Subwoofer: black vinyl; 8½ x 14¾ x 9½ in. Satellite: black-oak vinyl; 5¾ x 9 x 5½ in \$399

Premier 521 3-Way Speaker

12-in woofer with 1½-in voice coil, 12-in passive radiator, 5¼-in ferrofluid-cooled midrange, and 1-in ferrofluid-cooled fabric-dome tweeter. 5-element crossover with Mylar capacitors. Gold-plated 5-way binding posts. Power handling 200 W nom; FR 28-20,000 Hz; sens 97 dB SPL/W/m; imp 8 ohms; crossover points 800 and 3,000 Hz. 16 x 43 x 11 in. \$299

Premier 121. As above, without passive radiator. Tuned port design. FR 30-20,000 Hz. 16 x 30 x 11 in \$249

Premier 81 2-Way Speaker

Features tuned-port design with 8-in polymer-fiber cone woofer with 1½-in voice coil and 1-in ferrofluid-cooled polymer dome tweeter. 9-element crossover. Gold-plated 5-way binding posts. Power handling 130 W nom; FR 30-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 1,300 Hz. 10¾ x 16½ x 11¼ in \$299/pr

Premier 61. As above, 6½-in woofer. FR 40-20,000 Hz; sens 86 dB SPL/W/m; imp 6 ohms; crossover point 1,600 Hz. 8¾ x 13¾ x 9¼ in \$249/pr

Model 802 2-Way Speaker

Tuned-port design with 8-in polypropylene woofer and 3-in ferrofluid-cooled supertweeter. Features

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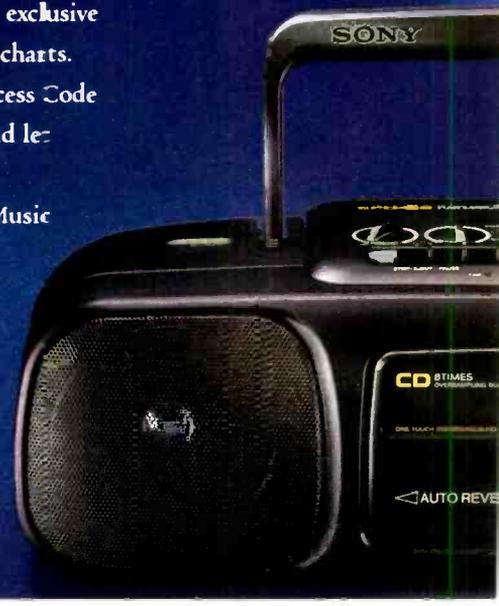
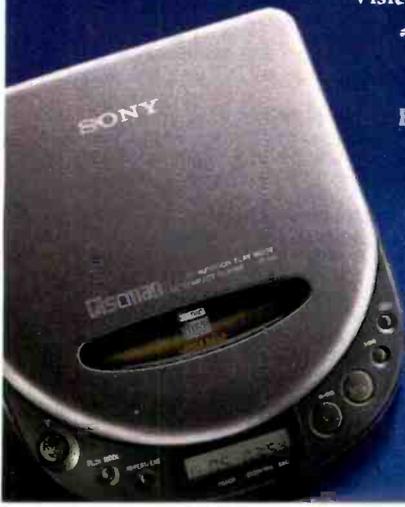
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S P E A K E R S

magnetic shielding. Push terminals. Power handling 180 W nom; FR 40-22,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 2,800 Hz. Oak-grain vinyl finish. 11 3/4 x 19 1/2 x 11 5/8 in. . . . \$225/pr
Model 602. As above, 6 1/2-in woofer. Power handling 120 W nom; FR 50-22,000 Hz; sens 88 dB SPL/W/m. 9 x 16 1/2 x 9 5/8 in. . . . \$199/pr

Model T312D 3-Way Speaker

12-in copolymer/foam woofer, 12-in polymer passive radiator, 5 1/4-in midrange, and 1-in ferrofluid-cooled soft-dome tweeter. Push terminals. Power handling 325 W nom; FR 20-22,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 900 and 2,800 Hz. Oak-grain vinyl finish. 15 1/4 x 43 x 10 in. . . . \$225
Model 1203D. As above, without passive radiator. Tuned-port design. Power handling 290 W nom; FR 24-22,000 Hz. 15 1/4 x 29 x 10 in. . . . \$199

CS-2503 Subwoofer/Satellite System

Subwoofer with two 5 1/4-in woofers, and two satellites, each with two 4 1/2-in midranges and 3/4-in polydome tweeter. Power handling 40 W min; FR 50-20,000 Hz \pm 3 dB; sens 86 dB; imp 6 ohms; crossover points 200 and 4,000 Hz. Sub: 12 x 17 x 8 in. Satellite: 5 x 5 x 8 1/2 in. . . . \$200

Model 610 2-Way Outdoor Speaker

Metal-cabinet, weather-resistant design with 4-in polypropylene/rubber woofer and 1-in soft dome tweeter. Power handling 60 W nom; FR 80-20,000 Hz; sens 85 dB SPL/W/m; imp 6 ohms; crossover point 2,800 Hz. 4 5/8 x 7 x 4 5/8 in. . . . \$149/pr

Model 7001 2-Way Speaker

Tuned-port design with 5 1/4-in polypropylene woofer and 1-in dome tweeter. Magnetic shielding. Power handling 80 W nom; FR 80-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms; crossover point 2,800 Hz. Oak-grain vinyl finish. 4 5/8 x 7 x 4 5/8 in. . . . \$129/pr

Model 403 3-Way Outdoor Speaker

Cast-polystyrene, weather-resistant design with 4-in polypropylene woofer, 2-in cone midrange, and 3/4-in dome tweeter. Power handling 40 W nom; FR 90-20,000 Hz; sens 85 dB SPL/W/m; imp 6 ohms; crossover points 3,000, 7,000 Hz. 4 5/8 x 7 3/8 x 4 5/8 in. \$49/pr

KLIPSCH

Klipschorn 3-Way Speaker

Horn-loaded design. Power handling 100 W cont avg; FR 35-17,000 Hz \pm 3 dB; sens 104 dB SPL/W/m; imp 8 ohms. 31 1/4 x 52 x 28 1/2 in; 167 lb. Price depends on finish, from \$4,000/pr

Belle Klipsch 3-Way Speaker

Horn-loaded design. Power handling 100 W cont avg; FR 45-17,000 Hz \pm 5 dB; sens 104 dB SPL/W/m; imp 8 ohms. 30 1/8 x 35 5/8 x 18 3/4 in. Price depends on finish, from \$3,000/pr

La Scala. As above, in natural-birch, stained-birch, or black finish. 23 3/4 x 35 1/2 x 24 1/2 in. Price depends on finish, from \$2,858/pr

Chorus II 3-Way Speaker

Vented design with 15-in subwoofer, horn midrange, and horn tweeter. Built-in riser base. Power handling 100 W cont avg; FR 39-20,000 Hz \pm 3 dB; sens 101 dB SPL/W/m; imp 8 ohms. 18 1/2 x 39 x 15 1/2 in; 89 lb. Price depends on finish, from \$1,790/pr

Forte II 3-Way Speaker

Vented design with 12-in woofer, horn midrange, horn tweeter, and 12-in passive radiator. Built-in riser base. Power handling 100 W cont avg; FR 32-20,000 Hz \pm 3 dB; sens 99 dB SPL/W/m; impedance 8 ohms. 16 1/2 x 35 3/8 x 12 1/4 in; 56 lb. Price depends on finish, from \$1,298/pr

Quartet 3-Way Speaker

Vented design with 10-in woofer, horn midrange, horn tweeter, and 12-in passive radiator. Built-in riser base. Power handling 100 W cont avg; FR 38-20,000 Hz \pm 3 dB; sens 97.5 dB SPL/W/m; Impedance 8 ohms.

15 7/8 x 31 1/8 x 12 1/4 in; 52 lb. Price depends on finish, from \$1,050/pr

Heresy II 3-Way Speaker

Sealed design with 12-in woofer, horn-loaded compression midrange, and tweeter. Power handling 100 W cont avg; FR 50-20,000 Hz \pm 3 dB; sens 96 dB SPL/W/m; imp 8 ohms. 15 1/2 x 21 3/8 x 13 1/4 in; 37 lb. Price depends on finish, from \$930/pr

KG-5.2 2-Way Speaker

Vented design with 10-in woofer, tweeter, and 12-in passive radiator. Power handling 100 W; FR 36-20,000 Hz \pm 3 dB; sens 96 dB SPL/W/m; nom imp 8 ohms; crossover point 1,600 Hz. 14 1/4 x 33 1/2 x 12 1/4 in; 54 lb. . . . \$850/pr

KG-4.2 2-Way Speaker

Vented design with 10-in woofer, tweeter, and 10-in passive radiator. Power handling 100 W; FR 36-20,000 Hz \pm 3 dB; sens 95 dB SPL/W/m; nom imp 8 ohms; crossover point 1,600 Hz. 13 1/2 x 30 1/2 x 11 3/4 in; 44 lb. . . . \$700/pr

KG-3.2 2-Way Speaker

Vented design with 8-in woofer, tweeter, and 10-in passive radiator. Power handling 65 W; FR 36-20,000 Hz \pm 3 dB; sens 94 dB SPL/W/m; nom imp 8 ohms; crossover point 1,800 Hz. . . . \$550/pr

KG-2.2 2-Way Speaker

Vented design with two 6 1/2-in woofers and horn tweeter. Power handling 75 W; FR 50-20,000 Hz \pm 3 dB; sens 93 dB SPL/W/m; nom imp 8 ohms; crossover point 2,200 Hz. 9 1/4 x 19 1/4 x 9 1/4 in; 19.5 lb. Magnetic shielding optional \$450/pr

KG-1.2 2-Way Speaker

Vented design with 6 1/2-in woofer and horn tweeter. Power handling 50 W; FR 50-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; nom imp 8 ohms; crossover point 2,200 Hz. 9 1/4 x 13 x 9 1/4 in; 15 lb. Magnetic shielding optional. . . . \$350/pr

KG-SW Subwoofer

Band-pass enclosure with two 8-in drivers. Power handling 100 W; FR 38-150 Hz \pm 3 dB; sens 91 dB (low output), 94 dB (high output) SPL/W/m; nom imp 8 ohms (low output), 4 ohms (high output); crossover point 150 Hz. 24 1/4 x 12 1/4 x 15 1/8 in; 42 lb. . . . \$350/pr

KNOLL

TC08 2-Way In-Wall Speaker

Reflectivity design with 8-in woofer and coaxially-mounted dome tweeter. Weather resistant. Continuously variable tweeter level control. Power handling 100 W; FR 45-21,500 Hz; imp 8 ohms; sens 91 dB SPL/W/m. Paintable white finish. 10 1/2 x 10 1/2 x 3 1/2 in. . . . \$259/pr

TC06. As above, 6 1/2-in woofer. Power handling 80 W; FR 65-21,000 Hz; sens 91 dB SPL/W/m. 9 x 9 x 3 1/4 in. . . . \$199/pr

SP04 2-Way Speaker

Vented design with 4-in woofer. Power handling 60 W; FR 100-21,000 Hz; imp 8 ohms; sens 90 dB SPL/W/m. Black or white. 7 1/2 x 5 x 5 in; 3.3 lb. . . . \$129/pr

KORT

The following feature a custom finish and metal grilles.

Proxy 3 2-Way System

Transmission-line design with two 12-in woofers and six 2-in cone tweeters. Power handling 75 W cont avg; FR 17-22,000 Hz; sens 96 dB SPL/W/m; crossover point 550 Hz; imp 4 ohms. 800 lb. . . . \$4,500

CC-1E 2-Way Speaker

Transmission-line design with 10-in woofer and three 3-in cone tweeters. Power handling 200 W; FR 30-20,000 Hz; sens 93 dB SPL/W/m; crossover point 900 Hz; imp 4 ohms. 12 x 44 x 31 in; 158 lb. . . . \$1,495/pr

CC-2 2-Way Speaker

Transmission-line design with two 5-in woofers and 2 1/2-in cone tweeter. Power handling 100 W; FR 55-20,000 Hz; sens 92 dB SPL/W/m; crossover point 4,000 Hz; imp 4 ohms. 6 x 44 x 20 in; 70 lb. . . . \$700/pr

CC-B Full-Range Bookshelf Speaker

Transmission-line design with 4-in driver. Power handling 35 W; FR 100-17,000 Hz; sens 84 dB SPL/W/m; imp 8 ohms. 5 x 16 x 9 in; 15 lb. . . . \$235/pr

CC-W Subwoofer

Bipolar design with 8-in woofer. Includes stand to accompany CC-B. Power handling 50 W cont avg; FR 50-250 Hz; sens 84 dB SPL/W/m \$125

Full-Range Surround Speaker

Bipolar design with 3-in driver. Power handling 30 W cont avg; FR 200-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. White primed finish. 2 x 7 x 5 in. . . . \$65

KOSS

KCS350 2-Way Speaker

Tuned-port design with two 6 1/2-in polypropylene woofers and one 1-in soft-dome tweeter. Features molded-baffle system. FR 55-22,000 Hz; sens 92 dB SPL/W/m; nom imp 4 ohms. Black-ash vinyl finish. 9 1/4 x 36 x 9 3/4 in. . . . \$600/pr

KCS/250. As above, sens 88 dB SPL/W/m; nom imp 8 ohms. 9 1/4 x 23 x 9 3/4 in. . . . \$500

MX2 Subwoofer

Double-chamber tuned reflex system with 8-in polypropylene-cone woofer and 1 1/2-in dual voice coil. FR 45-120 Hz. Black. 19 1/4 x 10 x 13 in. . . . \$400

KCS/150 2-Way Speaker

Tuned-port design with 6 1/2-in polypropylene woofer and 1-in soft-dome tweeter. Features molded-baffle system. FR 60-20,000 Hz; sens 86 dB SPL/W/m; nom imp 4 ohms. Black-ash vinyl finish. 8 1/4 x 15 3/4 x 8 in. . . . \$350/pr

M/100 Plus 2-Way Powered Speaker

Two 4 1/2-in woofers and 1-in dome tweeter. Features built-in 20 W x 2 amp. FR 50-30,000 Hz. Mini-plug input. 6 x 15 x 12 in. . . . \$260/pr

M/90 Plus 2-Way Bookshelf Speaker

Two 4 1/2-in woofers and 1-in dome tweeter. For surround applications. FR 50-30,000 Hz; sens 85 dB SPL/W/m; nom imp 6 ohms. Wood finish. 6 x 15 x 12 in. . . . \$220/pr

KCS 85 2-Way Bookshelf Speaker

Two 4 1/2-in woofers and 1-in dome tweeter. For surround applications. FR 50-30,000 Hz; sens 86 dB/W/m; nom imp 6 ohms. Black. . . . \$200/pr

M/80 Plus 2-Way Bookshelf Speaker

Two 4 1/2-in woofers and 1-in dome tweeter. For surround applications. FR 55-30,000 Hz; sens 86 dB SPL/W/m; nom imp 6 ohms \$190/pr

KCS 65 2-Way Bookshelf Speaker

Two 4 1/2-in woofers and 1-in dome tweeter. For surround applications. FR 100-30,000 Hz; sens 84 dB SPL/W/m; nom imp 8 ohms. 4 3/4 x 8 1/4 x 5 1/2 in. \$150/pr

M/60 Plus 2-Way Bookshelf Speaker

4 1/2-in woofer and 1-in dome tweeter. For surround applications. FR 100-30,000 Hz; sens 84 dB SPL/W/m; nom imp 8 ohms. 4 3/4 x 8 1/4 x 5 1/2 in. . . . \$135/pr

SA 40 Powered Mini Speaker

3 1/2-in full-range driver. 3-band stereo eq. Operates on 4 c batteries or 6-V power supply \$60/pr

LANCER

LE-150A 3-Way Speaker

Vented design with 10-in woofer, 4-in cone midrange driver, and 1-in dome tweeter. FR 28-20,000 Hz; sens

S P E A K E R S

89 dB SPL/W/m; crossover points 800 and 4,000 Hz; imp 8 ohms. Black knit grille, oak-lacquer finish. 14 x 39 x 11 in; 48 lb. \$1,000/pr

LE-75 3-Way Speaker

Vented design with two 6½-in woofers and 1-in dome tweeter. Frequency response 42-20,000 Hz; sens 89 dB SPL/W/m; crossover point 3,200 Hz; impedance 8 ohms. Black knit grille and oak-lacquer finish. 8 x 29 x 10 in; 30 lb. \$500/pr

Video HTR 2-Way Speaker

Sealed cabinet base with two 4½-in woofers and two ¾-in dome tweeters in dipole configuration for surround applications. Power handling 160 W; FR 70-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Black oak finish. \$400/pr

LE-110 3-Way Speaker

Vented cabinet base with 10-in woofer, 4-in midrange, and 1-in soft-dome tweeter. Power handling 200 W; FR 32-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Honey or black-oak finish. \$375

LE-50B 2-Way Speaker

Vented design with 6½-in woofer and ¾-in dome tweeter. Frequency response 49-20,000 Hz; sens 88 dB SPL/W/m; crossover point 3,000 Hz; impedance 8 ohms. Black knit grille and oak-lacquer finish. 9 x 14 x 8 in; 12 lb. \$250/pr

LE-1SW Subwoofer

Band-pass design with two 6½-in drivers. Frequency response 38-160 Hz; sensitivity 88 dB SPL/W/m; crossover point 160 Hz; impedance 8 ohms. Black finish. 9 x 14 x 20 in; 35 lb. \$250

LE-25 2-Way Speaker

Vented design with 4-in woofer and ¾-in dome tweeter. Frequency response 55-20,000 Hz; sens 87 dB SPL/W/m; crossover point 3,500 Hz; impedance 8 ohms. Black knit grille and oak-lacquer finish. 8 x 10 x 8 in; 7.5 lb. \$220/pr

Video HTF 2-Way Center-Channel Speaker

Sealed cabinet base with two 4½-in woofers and two ¾-in dome tweeters in line-source configuration. Power handling 100 W; FR 100-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Black oak finish. \$200

LANTANA

Mink 3-Way Speaker

Rear baffle with two 6-in composite-cone woofers, front baffle with two 4½-in midranges, and one 2-in ferrofluid-cooled composite-cone tweeter. Features patented Laminar Flow Vent to simulate infinite baffle; separate chambers within enclosure for front- and rear-baffle drivers; 6-dB/oct crossover; high-density fiberboard enclosure with MDF rear baffle. Biwireable and blamplifiable. Frequency response 38-20,000 Hz; crossover points 90 and 2,500 Hz. 9 x 36 x 9 in. \$1,200/pr

Laug Subwoofer

Two 8-in composite cone drivers. Features patented Laminar Flow Vent to simulate infinite baffle; 6-dB/oct crossover; high-density fiberboard enclosure. FR 30-150 Hz; crossover point 90 Hz; imp 6 ohms. Natural-oak, stained-oak, or black-satin finish with black grille. 11 x 31 x 10½ in. \$1,000/pr
As above, 2-channel configuration. Features separate crossover for each driver. Imp 8 ohms. \$550

Iad Classic 2-Way Speaker

Two 4½-in woofers and one 2-in ferrofluid-cooled composite-cone tweeter. Features patented Laminar Flow Vent to simulate infinite baffle; high-density fiberboard enclosure with MDF baffle; 6-dB/oct crossover. Tweeter-level control. FR 45-20,000 Hz; crossover point 2,500 Hz; imp 6 ohms. Natural-oak, stained-oak, or black-satin finish with black or brown grille cloth. 6½ x 17 x 5 in. \$400/pr
Iad III. As above, designed for custom installations. Black with cloth grille. 6½ x 17 x 4½ in. \$550/pr

LINAEUM

Model 9B Subwoofer/Satellite System

5-piece system. Two subwoofers, each with two compression-loaded 10-in cone drivers, 2 line-source panels, each with 9 single-pole drivers, and 8-in coupling driver. FR 70-23,000 Hz (satellites), 16-70 Hz (subwoofer). Gloss black finish; optional finishes available. 16 x 72 x 8 in. \$13,500

Model 3 3-Way Speaker

TLS-1.25 driver, two TLS-6 drivers in parallel, and 10-in cone driver in slot-loaded cabinet. Features 6-dB/oct crossover. Power handling 250 W; FR 25-30,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 600 and 15,000 Hz. Gloss black finish; optional finishes available. 5-yr warranty. 14 x 43 x 19 in; 70 lb. \$3,800/pr

LFX 2-Way Speaker

Mini-monitor design with dipole driver and 5-in cone woofer in ported cabinet. Features 6-dB/oct crossover. Power handling 250 W; FR 60-30,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Solid Corian cabinet. 6 x 10 x 7 in; 15 lb. \$1,200/pr
With black, black-ash, or hickory finish. 9 lb. \$895/pr

LS-2 2-Way Speaker

Ported design with TLS-6 driver and 8-in cone woofer. Features 6-dB/oct crossover. Power handling 250 W; FR 35-23,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Black or black-ash finish. 11 x 42 x 9 in; 51 lb. \$895/pr

LINN

DMS Isobarik 3-Way Speaker

Isobarik design with 12- and 9-in woofers, 5-in midrange, and two ¾-in dome tweeters. Triamp terminals. Power handling 500 W; FR 25-20,000 Hz ± 1.5 dB; crossover points 375 and 3,000 Hz; imp 4 ohms. 15 x 30 x 16½ in. \$5,995/pr

Kaber 3-Way Speaker

Tower-style cabinet with two 5-in woofers and ¾-in tweeter. Woofers operate at different resonances and crossover points. Triwire/triamp terminals. Includes integral base stand. Walnut or black-ash finish. \$2,295/pr

Nexus LS 250 2-Way Speaker

Ported design with 8-in carbon-polypropylene woofer and ¾-in soft-dome tweeter. Molded front baffle; 14-in pedestal stand; 4th-order Linkwitz-Riley crossover phase aligned at 2,500 Hz. Biwire terminals. Sens 88 dB SPL/W/m. 10 x 22 x 12 in. Price depends on finish. \$995-\$1,250/pr

Kan II 2-Way Bookshelf Speaker

Acoustic-suspension design with 5-in woofer and ¾-in dome tweeter. FR 70-20,000 Hz ± 3 dB; imp 8 ohms. 7½ x 12 x 6½ in. \$895/pr

Helix II 2-Way Bookshelf Speaker

Ported design with 8-inch woofer and ¾-inch dome tweeter. Biwire biamp terminals. Simulated black ash. 10 x 20 x 11 in. \$795/pr

Index II 2-Way Bookshelf Speaker

Acoustic-suspension design with 6-in woofer and 1-in dome tweeter. 50-strand 20-ampere cable. Power handling 50 W; FR 60-20,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. Black wood-grain finish. 11 x 17 x 8 in; 17 lb. \$495/pr

LUXMAN

S-505 2-Way In-Wall Speaker

8-in graphite-polypropylene woofer and 1-inch soft-dome tweeter. Features 1½-in woofer voice coil; auto-resetting tweeter-overload protection. Tweeter-level control. Flush-mount design for walls or ceilings; mounting provision for RC-501 remote-control sensor; integral clamps and mounting brackets. Power handling 200 W max; FR 50-22,000 Hz ± 2.5 dB;

sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. \$500/pr
RC-501. Remote sensor. \$100
PB-81. New-construction brackets. \$70/pr
MG-81A. Speaker grilles. \$30/pr
MG-81B. Speaker grilles with opening for remote sensor. \$30/pr

S-503 2-Way In-Wall Speaker

6½-in carbon-fiber-impregnated polypropylene woofer and 1-in soft-dome tweeter. 2-position tweeter-level switch. Flush-mount design. Power handling 120 W max; FR 60-22,000 Hz ± 2.5 dB; sens 89 dB SPL/W/m; crossover point 5,000 Hz; imp 8 ohms. 9½ x 12¾ x 3½ in. \$300/pr
PB-61. New-construction brackets. \$60/pr
MG-61A. Speaker grille. \$30
MG-61B. Speaker grille with opening for remote sensor. \$30

MAGNEPAN

The following are available in a variety of finishes.

MG-20 3-Way Speaker

Di-planar bass element and combination planar-magnetic/ribbon tweeter. FR 20-40,000 Hz ± 3 dB; min power 100 W; imp 4 ohms; crossover points 200 and 3,000 Hz. \$8,500/pr

MG 3.3R 3-Way Speaker

628 sq-in planar-magnetic bass panel, planar-magnetic and 3 x 57 in ribbon midrange, and ½ x 60 in ribbon tweeter. FR 32-40,000 Hz ± 3 dB; power handling 200 W cont; sens 85 dB SPL/W/m; crossover points 250 and 1,000 Hz; imp 4 ohms. 24 x 71 x 1¾ in; 130 lb. \$3,000/pr

MG 2.6R 2-Way Speaker

609 sq-in planar-magnetic bass panel, planar-magnetic and ¼ x 40 in ribbon tweeter. FR 37-40,000 Hz ± 3 dB; power handling 200 W cont; sens 87 dB SPL/W/m; crossover point 1,000 Hz; imp 4 ohms. 22 x 71 x 1¾ in; 110 lb. \$1,950/pr

MG 1.5QR 2-Way Speaker

480 sq-in planar-magnetic bass panel and 1½ x 52 in quasi-ribbon tweeter. FR 40-22,000 Hz ± 3 dB; power handling 50 W cont; sens 85 dB SPL/W/m; imp 5 ohms. \$1,350/pr

MG .5QR 2-Way Speaker

370 sq-in planar-magnetic bass panel and 1½ x 40 in quasi-ribbon tweeter. FR 45-22,000 Hz ± 3 dB; power handling 40 W cont; sens 86 dB SPL/W/m; imp 4 ohms; crossover point 900 Hz. \$1,075/pr

SMGα 2-Way Speaker

370 sq-in planar-magnetic bass panel and 1½ x 38-in quasi ribbon tweeter. FR 50-18,000 Hz ± 3 dB; power handling 30 W cont; sens 90 dB SPL/W/m; imp 4 ohms; crossover point 2,400 Hz. \$575/pr

M&C SPEAKERWORKS

Series I 2-Way Speaker

Tuned-port design with two 6½-in polymer woofers and one 1-in aluminum-dome tweeter. Gold-plated biwire terminals. FR 37-20,000 Hz; imp 4 ohms; sens 90 dB SPL/W/m; power handling 150 W. Walnut finish. 5-yr warranty. 12 x 9½ x 23 in. \$1,000/pr
Above, oak finish. \$950/pr

Audition Monitor 2-Way Speaker

Tuned-port design with a 6½-in polypropylene woofer and 1-in aluminum-dome tweeter. Gold-plated terminals. FR 52-21,000 Hz; imp 6 ohms; sens 89 dB SPL/W/m; power handling 100 W. Oak or satin finish. 5-yr warranty. 11 x 12 x 20 in. \$650

M&K

MX-5000 THX Powered Subwoofer

Sealed-box design with two 12-in magnetic drivers in push-pull configuration with integral 400-W rms amp.

S P E A K E R S

Features THX certification; independent level control; low-pass filter adjustable between 50 and 125 Hz. FR 18-125 Hz; input imp 15 kilohms line level, 200 ohms speaker level. Available in oak or black-oak finish. 23 x 15 1/4 x 23 1/2 in; 125 lb \$2,195

MX-1000CC Subwoofer/Center-Channel System

One enclosure with two 5-in polypropylene mid-ranges, three 1-in soft-dome tweeters, and 2 powered 12-in woofers. Designed for surround applications. Features independent level control for bass; upper roll-off frequency control \$1,795

MX-2000 Powered Subwoofer

Two 12-in push-pull drivers. Features 300-W amp; continuously variable low-pass crossover. FR 20-125 Hz \pm 3 dB; input imp 15 kilohms line level, 600 ohms speaker level. 18 3/8 x 23 x 25 1/2 in \$1,795

SS-500 THX Surround Speaker

Sealed-box design with two 5-in polypropylene woofers and two 1-in soft-dome tweeters. Features THX certification; tonal balance control. FR 100-20,000 Hz \pm 3 dB; imp 4 ohms. 16 x 7 x 7 in; 22 lb .. \$1,450/pr

MX-1000 Pedestal Powered Subwoofer

Acoustic-suspension pedestal design with two 12-in drivers. Magnetic shielding for use as TV stand. 26 x 28 x 22 in; 115 lb \$1,295

MX-100 Powered Subwoofer

Acoustic-suspension design with two 12-in drivers in push-pull configuration; 200-W amp. Features independent level control and selectable 50/125-Hz low-pass filter. FR 20-125 Hz \pm 3 dB. Walnut, oak, or black-oak finish. 15 1/4 x 23 1/4 x 19 in; 78 lb .. \$1,295

V-100 Powered Subwoofer

12-in dual-voice-coil driver and 200-W amp. Adjustable crossover. FR 20-125 Hz. Walnut, oak, and black-oak finish. 16 x 18 1/4 x 15 1/4 in \$995

MX-90 Powered Subwoofer

Acoustic-suspension design with two 12-in drivers in push-pull configuration; 125-W amp. Features independent level control; selectable 50/125-Hz low-pass filter. FR 25-125 Hz \pm 3 dB. Available in walnut, oak, or black-oak finish \$995

S-100B Satellite Speaker

Two 5-in polypropylene midranges and three 1-in soft-dome tweeters. Features midrange and treble level switches. Glass-bead black finish \$995/pr
With magnetic shielding \$1,120/pr

Satellite 1C 2-Way Speaker

Acoustic-suspension design with two 5-in polypropylene woofers and two 1-in soft-dome tweeters. Features selector for 36 tonal balances; midrange and treble level switches. Power handling 400 W; imp 4 ohms. Oak or black-oak finish with black grille. 7 3/4 x 21 x 7 7/8 in; 19 lb \$950/pr
S-1B TV. As above, magnetically shielded. Walnut, oak, or black-oak finish \$1,050/pr

S-5000 THX LCR Satellite Speaker

Trapezoidal sealed-box design with two 6 1/2-in polypropylene woofers and two 1-in open-back transmission-line dome tweeters. Features tonal balance control. FR 80-20,000 Hz \pm 2 dB; imp 4 ohms. 24 x 12 x 9 1/2 in; 45 lb \$950

MX-80 Powered Subwoofer

Acoustic-suspension design with two 12-in drivers in push-pull configuration; 75-W amp. Features level control; selectable 50/125-Hz low-pass filter. FR 25-125 Hz \pm 3 dB. Available in walnut, oak, or black-oak finish. 15 1/4 x 23 1/4 x 17 in; 64 lb \$850

MX-70 Powered Subwoofer

Acoustic-suspension design two 12-in drivers in push-pull configuration; 125-W amp. Features level control; selectable 50/125-Hz low-pass filter. FR 25-125 Hz \pm 3 dB. Available in glass-bead black finish. 10 x 18 x 13 1/2 in; 40 lb \$850

V-90 Powered Subwoofer

Sealed-box design with 12-in polypropylene driver; 90-W amplifier. Level control; selectable 50/125-Hz low-pass filter. FR 20-125 Hz \pm 3 dB; input imp 15 kilohms line level, 200 ohms speaker level. Black. 17 1/2 x 17 1/2 x 14 1/2 in; 43 lb \$750

S-90 2-Way Speaker

Trapezoidal sealed-box design with 6 1/2-in polypropylene woofer and 1-in soft-dome tweeter. Features selectors for 36 tonal balances. Oak or black finish, black grille. FR 80-20,000 Hz \pm 3 dB; power handling 200 W. 12 x 12 x 9 1/2 in; 18 lb \$695/pr

V3-B Powered Subwoofer

Acoustic-suspension design with 12-in polypropylene driver and Integral power amp. Features independent level control and selectable 50/125-Hz low-pass filter. FR 25-125 Hz \pm 3 dB. Black finish. 17 1/2 x 17 1/2 x 14 1/2 in; 43 lb \$650

S-80 Satellite Speaker

Trapezoidal sealed-box design with 5-in polypropylene woofer and 1-in soft-dome tweeter. Features selector for 4 tonal balances. Oak or black-oak finish, black grille. FR 90-20,000 Hz \pm 3 dB; power handling 100 W. 11 x 8 x 7 in; 10 lb \$550/pr

VX-4 Subwoofer

12-in driver. Features adjustable low-pass filter. FR 40-125 \pm 3 dB; power handling 50 W cont. Black finish \$495

VX-7 Powered Subwoofer

Acoustic-suspension design with 50-W amplifier and 8-in woofer. FR 40-125 Hz \pm 3 dB. Black finish. 10 x 11 3/4 x 9 1/2 in; 25 lb \$425

SX-7 2-Way Bookshelf Speaker

Acoustic-suspension design with 4-in paper-cone midrange and 3/4-in soft-dome tweeter. Features cast-aluminum box with perforated metal grille; fuse protection. FR 100-20,000 Hz \pm 3 dB; power handling 100 W; sens 87 dB SPL/W/m; imp 4 ohms. Black or white. 4 1/2 x 7 3/8 x 4 1/2 in; 6 lb \$257/pr
Mounting brackets \$15/set

JOHN MAROVSKIS

Janis System 3a Powered Subwoofer

12-in slot-loaded driver. Amp: bass-level control; continuously variable driver phase; 50 W rms into 8 ohms; THD 0.05% at 20 Hz, 50 W; SN 90 dB for 50 W. Woofer module: FR 30-100 Hz \pm 1 dB; sens 85 SPL/W/m; crossover point 100 Hz; imp 8 ohms. Available in Brazilian Monarch rosewood, Coca Bola, American walnut, or white-oak finish with wood grille. Woofer module: 18 x 18 x 18 in. Amp: 14 x 3 1/2 x 9 in. 87 lb \$995-\$1,150

Janis W1 Subwoofer

15-in slot-loaded driver. FR 30-100 Hz \pm 1 dB; sens 87 SPL/W/m; recommended min power 60 W; crossover point 100 Hz; imp 8 ohms. Oiled walnut or white-oak finish; wood grille. Dimensions: 18 x 22 x 22 in; 100 lb \$850
Coca Bola or Brazilian Monarch rosewood .. \$1,000
Black \$900

Janis W3 Subwoofer

12-in slot-loaded subwoofer. FR 30-100 Hz \pm 1 dB; sens 85 SPL/W/m; recommended min power 60 W; crossover point 100 Hz; imp 8 ohms. Oiled walnut or white-oak finish; wood grille. 18 x 18 x 18 in; 67 lb \$600
Coca Bola or Brazilian rosewood \$750
Black \$650

Janis Crossover

Interphase 1A Dedicated Crossover/Amp

For Janis W1 or Janis W3. Features 2 independent high-pass filters and 1 low-pass filter; 100 W x 2 amp. Independent low-pass filter output. 3 1/2 x 14 x 13 in; 24 lb \$795

MARTIN-LOGAN

The Statement Electrostatic Speaker System

2 visually transparent curvilinear electrostatic panels, 2 woofer towers, and active crossover. Features 3 x 6-in curved electrostatic element in massive frame; four 12-in woofers mounted in individually sealed antiresonant chambers in each woofer tower; 4-chassis dual-mono crossover with power supplies in 2 chassis and crossover using proprietary discrete Class A differential FET buffer topology in other 2; 120-dB output. Power handling 250 W cont/module; FR 16-22,000 Hz \pm 1.5 dB; sens 90 dB SPL/W/m; imp 6 ohms. Electrostatic section: 39 1/2 x 84 x 6 in. Woofer towers: 15 x 84 x 30 in. 1 ton. Single-ended \$55,000
Balanced \$60,000

The Monolith III Hybrid Electrostatic Speaker

Curvilinear electrostatic panel mounted atop tuned subwoofer box; constant-voltage active crossover. Designed for wide dispersion without use of lenses. Features 2 x 4-ft electrostatic cell for frequencies from 125-24,000 Hz; 12-in low-mass cone subwoofer with 2-in voice coil. Power handling 250 W cont; FR 28-24,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; imp 6 ohms. 25 x 75 x 13 1/2 in; 165 lb \$7,000/pr
With passive crossover \$6,500/pr

The Quest Hybrid Electrostatic Speaker

18 x 48 in curvilinear electrostatic panel mounted atop tuned subwoofer cabinet housing 12-in woofer. Power handling 200 W cont; FR 28-24,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 150 Hz. Available in variety of finishes. 19 x 73 x 18 in; 125 lb \$3,995/pr

The CLS II Electrostatic Speaker

Curved visually transparent 2 x 4-ft electrostatic cell; 30° seamless horizontal dispersion; inverted line-source format; arc-free diaphragm. Power handling 150 W cont; FR 40-22,000 Hz \pm 2 dB; sens 85 dB SPL/W/m; imp 6 ohms \$3,500/pr

The Sequel II Hybrid Electrostatic Speaker

Visually transparent electrostatic driver that operates from 250-24,000 Hz and 10-in subwoofer in tuned chamber with matrix voice coil. 30° seamless horizontal dispersion in vertical line-source format; 1 x 4-ft electrostatic cell. Power handling 200 W cont; FR 30-24,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 6 ohms \$2,995/pr

The Aeries Hybrid Electrostatic Speaker

9 1/2 x 40 in curvilinear electrostatic driver with crossover at 500 Hz into 8-in dynamic woofer. Power handling 200 W cont; FR 40-20,000 Hz \pm 3 dB; sens 89 dB; imp 4 ohms \$1,995/pr

MASTON

Maston Deluxe Reference System

Includes satellites, 12-in woofer module, and an external passive crossover. Biwired satellites and crossover; gold plating. FR 32-20,000 Hz, -10 dB at 24 Hz; power handling 150 W cont; sens 87 dB SPL/W/m. Woofer 60 lb. Oak or walnut veneer with clear or black lacquer finish \$4,475
Maston Reference System. As above, without cables, biwiring, or gold plating \$3,975

Maston 2-Way Speaker

7-in woofer and 1-in dome tweeter. Subwoofer module serves as matching stand (driver not included). Frequency response 37-20,000 Hz; power handling 135 W rms; sensitivity 87 dB SPL/W/m. Oak or walnut veneer with clear or black lacquer finish. Dimensions: 14 x 14 x 21 in; 50 lb \$2,125
Without subwoofer module \$1,725/pr

MB QUART

Quart 1090MCS 3-Way Speaker

Two 8-in woofers, 2-in aluminum-dome midrange, and 1-in titanium-dome tweeter. Oak, walnut, black/

S P E A K E R S

white, and raw-oak finishes. Cherry, piano lacquer black, and piano lacquer white finishes also available. 11 1/2 x 41 3/8 x 12 1/4 in.; 60.7 lb \$2,999/pr

Quart 990MCS 3-Way Speaker

Two 7-in cast-frame woofers, 2-in aluminum-dome midrange, and 1-in titanium-dome tweeter. Power handling 120 W cont; FR 30-32,000 Hz. Oak, walnut, black/white, and raw-oak finishes. Cherry, piano lacquer black, and piano lacquer white finishes also available. 10 3/8 x 39 3/8 x 11 7/8 in.; 51 lb \$2,700/pr

Quart 790MCS 3-Way Speaker

8-in woofer, 2-in aluminum-dome midrange, and 1-in titanium-dome tweeter. Oak, walnut, black/white, and raw-oak finishes. Cherry finish also available. 10 3/8 x 35 3/8 x 11 7/8 in.; 46 lb \$1,999/pr

Quart 690MCS 2-Way Speaker

Tower design with 8-in woofer and 1-in titanium-dome tweeter. Power handling 100 W cont; FR 35-32,000 Hz. Oak, walnut, black/white, or raw-oak finishes. Cherry finish also available. 10 3/8 x 33 3/8 x 11 3/4 in.; 40 lb \$1,500/pr

Quart 390MCS 2-Way Speaker

Mini tower design with 8-in woofer and 1-in titanium-dome tweeter. Power handling 100 W cont; FR 38-32,000 Hz. Black or white-ash finish. 9 3/4 x 31 1/2 x 11 in.; 30 lb \$1,099/pr

Quart 490MCS 2-Way Bookshelf Speaker

8-in woofer and 1-in titanium-dome tweeter. Power handling 100 W cont; FR 37-32,000 Hz. Oak, walnut, black, white, or raw-oak finishes. Cherry finish also available. 11 x 17 3/8 x 11 1/2 in.; 24.2 lb \$850/pr

Quart 290 2-Way Bookshelf Speaker

6 1/2-in woofer and 1-in titanium-dome tweeter. Power handling 90 W cont; FR 40-32,000 Hz. Oak, walnut, black, white, or raw-oak finishes. Cherry finish also available. 11 x 16 1/2 x 11 1/4 in.; 22 lb \$699/pr

Quart Three 2-Way Speaker

Two 6 1/2-in woofers and 1-in titanium-dome tweeter. Power handling 90 W cont avg; FR 38-32,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Includes removable isolation spikes. Black finish. 8 1/4 x 35 3/8 x 10 in.; 32 lb \$699/pr

Quart 90M 2-Way In-Wall Speaker

8-in woofer and 1-in titanium-dome tweeter. Power handling 100 W cont; FR 46-32,000 Hz. White-matte finish. 10 3/8 x 12 x 3 3/4 in.; 5.7 lb \$649/pr
NCB90. New-construction bracket for above... \$99

Quart 190 2-Way Bookshelf Speaker

6 1/2-in woofer and 1-in titanium-dome tweeter. Power handling 90 W max; FR 46-32,000 Hz. Oak, walnut, black, white, or raw-oak finishes. Cherry finish also available. 9 1/4 x 13 1/2 x 10 in.; 15.4 lb \$599/pr

Quart Two 2-Way Speaker

6 1/2-in woofer with butyl-rubber surround and 1-in titanium-dome tweeter. Power handling 80 W cont avg; FR 42-32,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover point 2,800 Hz. Includes removable isolation spikes. Black finish. 8 1/4 x 28 1/2 x 9 1/2 in.; 22 lb \$499/pr

Quart One 2-Way Bookshelf Speaker

6 1/2-in woofer with butyl-rubber surround and 1-in titanium-dome tweeter. Power handling 60 W cont avg; FR 49-32,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms; crossover point 2,800 Hz. Includes removable isolation spikes. Black finish. 8 1/4 x 13 1/2 x 9 1/2 in.; 13.2 lb \$379/pr

McINTOSH

XR-290 3-Way Speaker

Parallel column design with four 12-in woofers, twelve 5-in midranges, and twenty-four 1-in dome tweeters. Overload protection. Gold-plated terminals. Biamp/triamp terminals. Power handling 1,200

W max; frequency response 16-20,000 Hz; sens 87 dB SPL/W/m; impedance 8 ohms; crossover points 400 and 1,300 Hz. Rosewood gloss finish. 28 3/4 x 83 x 12 1/2 in.; 364 lb \$54,950/pr
 Black-gloss finish \$44,950/pr
 Rosewood-lacquer finish \$34,950/pr
 Oak or walnut finish \$24,950/pr

XR22 Subwoofer/Satellite System

Enclosure with two 12-in woofers and 8-in midrange, and 2 columns, each with twenty-three 1-in dome tweeters. Power handling 600 W max; FR 20-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover points 100, 250, and 1,500 Hz. Oak or walnut finish. Bass cabinet: 25 3/4 x 40 1/2 x 12 3/4 in. Column: 10 1/2 x 79 1/2 x 1 3/8 in. 156 lb \$4,550
CS 22A. Column stand. Oak or walnut finish. 15.5 lb \$799/pr

XR18 Subwoofer/Satellite System

Enclosure with 12-in woofer and 6-in midranges, and 2 columns, each with sixteen 1-in dome tweeters. Power handling 500 W max; FR 20-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms; crossover points 350 and 1,500 Hz. Bass cabinet: 17 1/2 x 27 1/4 x 11 3/4 in. Column: 10 1/2 x 57 1/4 x 1 3/8 in. 108 lb \$2,699
CS 18. Column stand. Oak or walnut finish. 22.5 lb \$649/pr

XR-250 3-Way Speaker

Two 10-in woofers, 5-in midrange, and 1-in dome tweeter. Solid-state current protection. Power handling 300 W max; FR 20-20,000 Hz; sens 84 dB SPL/W/m; imp 8 ohms; crossover points 450 and 1,300 Hz. Oak, walnut, or black-lacquer hardwood finish. 14 x 47 1/4 x 12 5/8 in.; 79.5 lb \$1,499

XR-240 3-Way Speaker

12-in woofer, 6 1/2-in midrange, and 1-in dome tweeter. Solid-state current protection. Power handling 300 W max; FR 20-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms; crossover points 375 and 1,200 Hz. Oak, walnut, or black-lacquer hardwood finish. 15 x 43 1/4 x 13 1/4 in.; 75 lb \$1,150

XR 230 3-Way Speaker

10-in woofer, 5-in midrange, and 1-in dome tweeter. Solid-state current protection. Power handling 300 W max; FR 20-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms; crossover points 375 Hz and 1,200 Hz. Oak, walnut, or black-lacquer hardwood finish. 13 x 40 1/4 x 11 1/4 in.; 56.6 lb \$750

WS200 In-Wall Speaker

6-in woofer and 1-in dome tweeter. Solid-state current protection. Power handling 80 W max; FR 60-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms; crossover point 1,300 Hz. White grille. 8 5/8 x 12 x 3 1/4 in.; 7.5 lb \$599/pr
S3-200. New-construction bracket \$80/pr
S2-200. Retrofit bracket \$50/pr
S1-100. Cloth grille \$40/pr

XL 12-Way Bookshelf Speaker

6-in woofer and 1-in dome tweeter. Power handling 150 W max; FR 70-20,000 Hz; sens 85 dB SPL/W/m; imp 8 ohms; crossover point 1,000 Hz. Walnut finish. 8 1/8 x 12 7/8 x 7 in.; 15.5 lb \$599/pr
XL 1W. Subwoofer module for above. Walnut finish \$549

McNEILL

Big Bass Subwoofer

Acoustic-suspension design with 18-in dual-voice-coil driver. Features carpet-covered wedge enclosure with retractable carry handle. Power handling 150 W max; FR 10-80 Hz; sens 95 dB SPL/W/m; imp 4 or 8 ohms. 23 x 23 x 13 in.; 59 lb \$399

Tower 3-Way Speaker

Acoustic-suspension design with 8-in subwoofer, 8-in woofer, and 1-in tweeter. Power handling 150 W max; FR 28-22,000 Hz; sens 92 dB; imp 4 ohms. Black with gray grille. 10 x 34 x 13 in.; 49 lb \$399

Audiophile 2-Way Speaker

Acoustic-suspension design with 8-in woofer and 1-in tweeter. Features direct-drive inductorless crossover. Power handling 100 W max; FR 30-22,000 Hz; sens 92 dB; imp 4 ohms. Black with gray grille. 10 x 20 x 13 in.; 30 lb \$199

Baby 2-Way Speaker

Acoustic-suspension design with 4-in bass midrange and 1-in tweeter. Power handling 99 W max; FR 80-22,000 Hz; sens 92 dB; imp 8 ohms. Black with gray grille. 5 x 11 x 6 in.; 7 lb \$99

MEMOREX

TS-5 Subwoofer/Satellite System

Subwoofer with two 5 1/4-in and two 6 1/2-in drivers, and 2 satellites, each with 4-in midrange, front-firing 5/8-in tweeter, and rear-firing 5/8-in tweeter. Sens 91 dB SPL/W/m; imp 8 ohms; crossover points 300 and 6,000 Hz. Black-lacquer finish with black knit grille \$650

TS-3 Subwoofer/Satellite System

Dual-ported subwoofer with 8-in driver, and 2 satellites, each with 4 1/2-in cone midrange and 2 1/4-in cone tweeter. Includes wall/ceiling mounting kit. Sensitivity 89 dB SPL/W/m; impedance 8 ohms; crossover points 300 and 6,000 Hz. Black-lacquer finish with black grille \$399

M-4100 2-Way Speaker

Acoustic-suspension design with 8-in woofer and 2-in cone tweeter. FR 55-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,200 Hz. Oak finish with black grille. 10 1/4 x 23 1/2 x 9 3/8 in. \$279/pr

M-2100 2-Way Speaker

Acoustic-suspension design with 6 1/2-in woofer and 2-in tweeter. FR 70-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 3,200 Hz. Oak finish with black grille. 7 1/2 x 14 1/2 x 8 1/2 in.; 7.1 lb \$239/pr

M-1100 2-Way Speaker

Acoustic-suspension design with 5-in woofer and 2-in tweeter. FR 100-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 2,900 Hz. Oak finish with black grille. 7 1/2 x 19 1/2 x 7 in.; 7.1 lb \$199/pr

TRC Series

The following feature a triangular cabinet, aluminum voice coils, and ferrofluid cooling.

TRC-905 3-Way Speaker

Acoustic-suspension design with 8-in woofer, 5-in polymer-reinforced midrange, and 3/4-in polycarbon-dome tweeter. FR 40-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 700 and 4,400 Hz. Ebony walnut finish with black knit grille. 9 1/4 x 35 1/8 x 13 1/2 in.; 27.3 lb \$499/pr

TRC-805 2-Way Speaker

Acoustic-suspension design with 8-in woofer and 3/4-in polycarbon-dome tweeter. FR 66-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 2,800 Hz. Ebony walnut finish with black knit grille. 9 1/4 x 31 3/8 x 13 1/2 in.; 22.5 lb \$399/pr

TRC-505 2-Way Speaker

Acoustic-suspension design with 6 1/2-in woofer and 3/4-in polycarbon-dome tweeter. FR 70-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 3,400 Hz. Ebony walnut finish with black knit grille. 7 1/2 x 19 1/2 x 10 1/2 in.; 12.5 lb \$259/pr

TRC-305 2-Way Speaker

Acoustic-suspension design with 5-in woofer and 3/4-in polycarbon tweeter. FR 80-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Ebony walnut finish with black knit grille. 7 1/2 x 14 1/2 x 11 in.; 10.5 lb \$199/pr

WeatherMates

The following feature a weatherproof enclosure and a black or white finish.

S P E A K E R S

WM-500 2-Way Outdoor Speaker

Acoustic-suspension design with 5/4-in woofer and 1-in dome tweeter. FR 49-20,000 Hz; imp 8 ohms; crossover point 2,400 Hz. Aluminum cabinet with black metal grille. 6 x 7 x 8 in; 9.5 lb \$249/pr

WM-200 2-Way Outdoor Speaker

Acoustic-suspension design with 4-in woofer and 1-in dome tweeter. FR 55-20,000 Hz; imp 8 ohms; crossover point 2,600 Hz. Optional aluminum finish and metal grille. 6 x 5 x 8 in; 5 lb \$129/pr

WM-100 2-Way Outdoor Speaker

Ported design with 4 1/2" woofer and 1 1/2" cone tweeter. FR 100-17,100 Hz; imp 4 ohms. 6 x 8 x 9 in; 4.3 lb \$99/pr

MERIDIAN

D6000 Powered Speaker System

Four 8-in woofers in sealed bass enclosure; 6 1/2-in midrange and 1-in aluminum-dome tweeter with silver voice-coil wire in separate, asymmetrically shaped head. Features four 75-W amps and digital signal processor. Digital crossover, tone control, and time and frequency EQ functions with output to four 1-bit POM D/A converters. 2 coaxial digital and 2 fiber-optic digital inputs; proprietary PLL digital-input circuitry. LED display for CD track/time, volume level, tuning/preset info from Meridian 204 tuner; remote control. FR 20-20,000 Hz; max output 112 dB SPL. Piano-black finish on head, black glass front and top on woofer enclosure with black cloth side grille \$15,000/pr

D600 Powered Speaker System

Triamplified vented design with three 65-W amps and preamp. 6 1/2-in woofer, 6 1/2-in midbass, and 1-in metal-dome tweeter; 2 analog, 2 digital, and 1 fiber-optic input. Display for source information when connected to 200 Series components. Includes remote control with frequency shaping and tilt controls. FR 36-20,000 Hz; sens 110 dB SPL/W/m. Rosewood, walnut, or black-ash finish. 8 1/4 x 35 1/2 x 11 1/8 in; 70 lb \$5,500/pr

M60. As above, without digital processor, preamp, or display. 60 lb \$3,500/pr

M20II 2-Way Powered Speaker

Biampified vented design with two 5-in Bextreme midbass drivers, 1-in metal-dome tweeter, and two 70-W amps. Features active crossover; balanced/unbalanced inputs; auto turn-on circuit. Sens 109 dB SPL/W/m; FR 40-20,000 Hz. Walnut or black-ash finish \$2,490/pr

M30II 2-Way Powered Speaker

Biampified vented design with 6 1/2-in midbass driver, 1-in metal-dome tweeter, and twin 70-W internal amps. Features PVC surrounds; balanced/unbalanced inputs; auto turn-on circuit. FR 40-20,000 Hz; sens 106 dB SPL/W/m. Walnut or black-ash finish \$1,990/pr

P16 2-Way In-Wall Speaker

8 3/8-in woofer, 1/2-in tweeter. Power handling 70 W max; FR 6-17,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Available with round or square bezel. 8 x 8 x 3 3/8 in \$400/pr

MERLIN

The following feature a 5-year parts-and-labor warranty.

Excalibur II 3-Way Speaker

Point-source design, mechanically time-aligned and vented. Two 8-in woofers, two 4 1/2-in midranges, and 1-in tweeter. Features mass loading; acoustic feet; Cardas wires; Music Post connectors. Power handling 200 W; FR 30-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp and phase-corrected 6-dB/oct crossover; nom imp 6 ohms; THD 0.5% above 50 Hz at 90 dB, 2% below 50 Hz at 90 dB. 14 x 64 1/2 x 17 in; 250 lb \$8,400/pr

Pendragon II 3-Way Speaker

Quasi point-source design, mechanically time-aligned and vented. 8-in woofer, 4 1/2-in midrange, 1-in tweeter. Features mass loading; acoustic feet; Cardas wires; Music Post connectors. Power handling 150 W; FR 35-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp and phase-corrected 6-dB/oct crossover; nom imp 6 ohms; THD 0.5% above 50 Hz at 90 dB, 2% below 50 Hz at 90 dB. 14 x 48 x 17 in; 165 lb \$6,300/pr

EXL II 2-Way Speaker

Quasi point-source design, mechanically time-aligned and vented. 8-in woofer and 1-in ferrofluid-cooled titanium-dome tweeter. Features time-aligned baffle; tweeter-level control; Cardas wires; Music Post connectors; 5-way copper binding posts; inductors wound with 16-gauge wire; sand-loading compartment. Biwire/biamp terminals. Power handling 120 W; FR 38-25,000 Hz ± 3 dB; sens 91 dB SPL/W/m; crossover point 2,200 Hz with 6 dB/oct slope; nom imp 6 ohms. 11 1/2 x 43 1/2 x 11 1/2 in; 65 lb \$2,000

EXL III 3-Way Speaker

Quasi point-source design, mechanically time-aligned and vented. 8-in woofer, 4 1/2-in midrange, and 1-in ferrofluid-cooled titanium-dome tweeter. Features time-aligned baffle; tweeter-level control; Cardas wires; Music Post connectors; copper 5-way binding posts; inductors wound with 16-gauge wire; sand-loading compartment; biwire/biamp terminals. Power handling 150 W; FR 33-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; crossover points 500 and 3,000 Hz with 6-dB/oct slopes; nom imp 6 ohms. 12 x 45 1/4 x 15 in; 120 lb \$1,450

EXL I 2-Way Speaker

Quasi point-source design, mechanically time-aligned and vented. 6-in woofer and 1-in ferrofluid-cooled titanium-dome tweeter. Features time-aligned baffle; tweeter-level control; Cardas wires; Music Post connectors; 5-way copper binding posts; inductors wound with 16-gauge wire; sand-loading compartment; biwire/biamp terminals. Power handling 80 W; FR 45-20,000 Hz ± 3 dB; sens 87 dB SPL/W/m; crossover point 2,700 Hz with 6-dB/oct slope; nom imp 6 ohms. 10 x 38 x 10 in; 45 lb \$1,450

META RESEARCH

Meta-Speaker 3-Way Speaker

Rear-firing-port design with 7-in Kevlar woofer and glass-fiber inverted-dome tweeter with ferro-cobalt magnet. Features 100-dB oct crossover; polypropylene and copper capacitors. Sens 96 dB SPL/W/m \$5,990/pr

MIRAGE

Mirage M-990 3-Way Speaker

Two 6 1/2-in polypropylene cone woofers with rubber surround, rear-radiating 5-in midrange, and 1-in titanium tweeter with cloth suspension. Bipolar radiator utilizing proprietary transducers. Biamp/biwire terminal. Power handling 175 W cont; FR 35-22,000 Hz ± 3 dB; sens 88 dB SPL/W/m; nom imp 6 ohms; crossover points 500 and 2,000 Hz. High gloss finish. 10 x 44 x 11 in; 70 lb \$1,300/pr

Mirage M-790 3-Way Speaker

8-in polypropylene cone woofer with rubber surround, rear-radiating 5-in midrange, and 1-in titanium tweeter with cloth suspension. Bipolar radiator utilizing proprietary transducers; biwire/biamp terminals. Power handling 150 W cont; FR 38-22,000 Hz ± 3 dB; sens 87 dB SPL/W/m; nom imp 6 ohms; crossover points 500 and 2,000 Hz. High gloss finish. 10 x 39 x 11 in; 60 lb \$1,100/pr

Mirage M-490 2-Way Speaker

Front-vented design with 8-in polypropylene cone woofer with rubber surround and 1-in pure-titanium tweeter with cloth suspension. Power handling 150 W cont; FR 40-22,000 Hz ± 3 dB; sens 86 dB SPL/W/m; nom imp 4 ohms; crossover point 2,000 Hz. Black-

ash vinyl finish. 10 x 19 x 11 in; 28 lb \$600/pr
API SST-13. 13-in metal stand \$100/pr

Mirage M-290 2-Way Speaker

Front-vented design with 6 1/2-in polypropylene cone woofer with rubber surround and 1-in titanium tweeter with cloth suspension. Power handling 100 W cont; FR 45-22,000 Hz; nom imp 6 ohms. Black-ash vinyl finish. 9 x 16 x 9 in; 17 lb \$450/pr
API SST-21. 21-in metal stand \$120/pr

Mirage M-190 2-Way Speaker

Rear-vented design with 5 1/4-in polypropylene-cone woofer and 3/4-in titanium tweeter. Power handling 75 W cont; FR 55-22,000 Hz ± 3 dB; sens 85 dB SPL/W/m; nom imp 6 ohms; crossover point 2,200 Hz. Black-ash vinyl finish. 7 x 12 x 8 in; 12 lb \$250/pr
API SST-25. 25-in metal stand \$130
Wall bracket \$40

Mirage 2-Way Center-Channel Speaker

Dual-vented design with two 4 1/2-in woofers and 1/2-in polycarbonate flared-dome tweeter. Features magnetic shielding; angled enclosure. Power handling 100 W cont; FR 60-22,000 Hz ± 3 dB; sens 86 dB SPL/W/m; nom imp 8 ohms; crossover point 2,500 Hz. Black-ash vinyl. 6 x 20 x 8 in; 15 lb \$170

Mirage M Series

Mirage M1si 4-Way Speaker

Bipolar design with two 8-in carbon-filled polypropylene front and rear woofers with 1 1/2-in voice coils, two 4 1/2-in carbon-filled polypropylene front and rear midranges, and two 3/4-in hyperbolic-dome front and rear tweeters. Biwire/biamp terminals. Power handling 400 W cont; FR 25-23,000 Hz ± 2 dB; sens 83 dB SPL/W/m; crossover points 100, 300, and 2,300 Hz; imp 6 ohms. 20 x 50 x 10 in; 185 lb \$5,500/pr

Mirage M3si 3-Way Speaker

Bipolar design with carbon-filled polypropylene woofer with 1 1/2-in voice coils, two 4 1/2-in carbon-filled polypropylene front and rear midranges, and two 3/4-in cloth-dome front and rear tweeters. Biwire/biamp terminals. Power handling 250 W cont; FR 25-23,000 Hz ± 2 dB; sens 85.5 dB SPL/W/m; crossover points 400 and 2,200 Hz; imp 6 ohms. 19 x 53 x 9 in; 130 lb \$2,800/pr

Mirage M5si 2-Way Speaker

Bipolar design with two 6 1/2-in carbon-filled polypropylene front and rear woofers with 1-in voice coils, and 3/4-in cloth-dome front and rear tweeters. Biwire/biamp terminals. Power handling 175 W cont; FR 35-20,000 Hz ± 2 dB; sens 85 dB SPL/W/m; nom imp 4 ohms; crossover point 2,200 Hz. 16 x 44 x 8 in; 75 lb \$1,800/pr

Mirage BPSS-212 Powered Subwoofer

Bipolar configuration with two 12-in woofers. Features servo feedback system. Powered by 250 W x 2 amp. Crossover with variable phase control. FR 18-150 Hz ± 3 dB. High-gloss with black cloth side panels. 20 x 26 x 19 in \$1,600

Mirage BPSS-210. As above, with two 10-in woofers and 175-W amp. FR 20-150 Hz ± 3 dB. 18 x 24 1/2 in \$1,200

Mirage M7si 3-Way Speaker

Bipolar design with front-radiating 8-in polypropylene cone woofer with rubber surround, 1 rear-radiating 5-in midrange, and 1 front-radiating 1-in pure-titanium tweeter with cloth suspension. Biwire/biamp terminals. Power handling 125 W cont; FR 35-22,000 Hz ± 3 dB; sens 88 dB SPL/W/m; nom imp 6 ohms; crossover points 500 and 2,000 Hz \$1,300/pr

Mirage PS-12 Powered Subwoofer

Vented cabinet with 12-in driver and 150-W amp. Protection circuitry; servo and phase controls. FR 23-150 Hz ± 3 dB. Black ash finish with black grille; 18 x 18 x 20 in \$750

Mirage PS-10. As above, with 10-in woofer and 90-W amp. FR 28-150 Hz ± 3 dB. 17 x 16 x 16 in \$550

MISSION

Mission 753 3-Way Speaker

Two 5/4-in. plastiflexed paper woofers, two 5/4-in. midbasses, and one 1-in. ferrofluid-cooled dome tweeter. Features visco-elastically-damped construction; gold-plated 5-way binding posts. FR 70-20,000 \pm 1.5 dB; sens 90 dB SPL/W/m; crossover points 200 Hz and 2,300 Hz. Black/white lacquer or wood veneer. 8 1/4 x 34 1/2 x 12 3/8 in. \$1,299/pr

Mission 765i 2-Way Speaker

Bass-reflex design with two 8-in. polypropylene drivers and 1-in. Super Elliptic Impedance Transformed tweeter. Visco-elastically damped cabinet; gold-plated 5-way binding posts. FR 70-20,000 \pm 1.5 dB; sens 93 dB SPL/W/m; crossover point 2,300 Hz. \$1,199/pr

Mission 764i 2-Way Speaker

Bass-reflex design with 8-in. polypropylene woofer and 1-in. ferrofluid-cooled dome tweeter. Visco-elastically damped cabinet; 5-way binding posts. FR 70-20,000 Hz; sens 89 dB SPL/W/m; crossover point 2,500 Hz. Black ash. 10 x 34 1/4 x 13 3/8 in. \$989/pr

Cyrus 782 2-Way Speaker

Bass-reflex design with two 6 1/2-in. mineral-loaded polymer midbass drivers and 3/4-in. ferrofluid-cooled fabric-dome tweeter. 3/4-in. MDF baffleboard. Biwire/blamp terminals. Adjustable and removable spikes. Power handling 150 W cont avg; FR 49-20,000 Hz \pm 3 dB; sens 91.5 dB SPL/W/m; imp 4 ohms; crossover point 3,200 Hz. Natural walnut, black-ash, Nextel gray, or rosewood veneer. \$899/pr

Mission 763 2-Way Speaker

Bass-reflex design with 8-in. polypropylene woofer and 3/4-in. ferrofluid-cooled fabric-dome tweeter in 3/4-in. elastically damped, critically braced cabinet. Features flared-tuned port; adjustable and removable spikes. Biwire/biamp terminals. Power handling 150 W cont avg; FR 42-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohm; crossover point 3,200 Hz. Simulated rosewood, walnut, or black-ash veneer. 9 3/4 x 30 1/4 x 13 1/4 in; 35 lb. \$769/pr

Mission 752 2-Way Speaker

Bass-reflex design with two 5 1/4-in. plastiflexed paper woofers and 1-in. ferrofluid-cooled dome tweeter. Transverse-folded cabinet with visco-elastically damped walls. Gold-plated 5-way binding posts. FR 70-20,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; crossover point 2,500 Hz. Black/white lacquer or real wood veneer. 8 x 18 1/8 x 11 7/8 in. \$769/pr

Cyrus 781 2-Way Speaker

Bass-reflex design with 6 1/2-in. mineral-loaded polymer woofer and 3/4-in. ferrofluid-cooled fabric-dome tweeter. 3/4-in. MDF baffleboard and cabinet; flared tuned-port. 5-way binding posts; biwire/biamp terminals. Power handling 125 W cont avg; FR 47-20,000 Hz \pm 3 dB; sens 90.5 dB SPL/W/m; imp 6 ohms; crossover point 3,500 Hz. Natural walnut, black-ash, Nextel gray, or rosewood-wood veneer. 8 7/8 x 17 x 11 1/8 in; 20 lb. \$699/pr

Mission 751 2-Way Speaker

Bass-reflex design with 5 1/4-in. plastiflexed paper woofer and 1-in. ferrofluid-cooled dome tweeter. Transverse-folded cabinet with visco-elastically damped walls. Gold-plated 5-way binding posts. FR 70-20,000 Hz \pm 2.5 dB; sens 89 dB SPL/W/m; crossover point 3,500 Hz. Black/white lacquer or wood veneer. 7 1/4 x 12 3/4 x 10 3/4 in. \$549/pr

Cyrus 780 2-Way Speaker

5 1/4-in. Plastiflex woofer and 3/4-in. polymer-dome tweeter. Mineral-loaded polypropylene baffleboard. Biwire/biamp terminals. Power handling 75 W cont avg; FR 65-20,000 Hz \pm 3 dB; imp 8 ohms. Black-ash or rosewood veneer. 11 1/2 x 7 1/4 x 10 in; 12 lb \$499/pr

Mission 762 2-Way Bookshelf Speaker

Bass-reflex design with 8-in. Plastiflex woofer and 3/4-in. ferrofluid-cooled fabric-dome tweeter. Features 3/4-

in visco-elastically damped, transverse-folded cabinet; flared-tuned port; inverted drive-unit geometry. 5-way binding posts. Power handling 125 W continuous avg; FR 50-20,000 Hz \pm 3 dB; sens 93.5 dB SPL/W/m; impedance 8 ohms; crossover point 4,300 Hz. Simulated walnut and black-ash veneers. 9 7/8 x 19 3/4 x 11 1/8 in; 21 lb. \$499/pr

Mission 761i 2-Way Speaker

Bass-reflex design with two 5 1/4-in. Plastiflexed paper woofers and 3/4-in. ferrofluid-cooled fabric dome tweeter. Features mineral loaded polypropylene baffleboard and cabinet. 5-way binding posts. FR 70-20,000 Hz \pm 2.5 dB; sens 90 dB SPL/W/m; crossover point 2,800 Hz. Black ash. 7 1/2 x 15 x 9 1/2 in. \$389/pr

Mission 760i 2-Way Speaker

5 1/4-in. Plastiflex midbass unit and 3/4-in. polymer-dome tweeter. Mineral-loaded polypropylene baffleboard. Power handling 75 W cont avg; FR 80-20,000 Hz \pm 3 dB; imp 8 ohms; crossover point 3,500 Hz. Black-ash or rosewood veneers. 11 1/2 x 7 1/2 x 8 in; 12 lb. \$279/pr

MITSUBISHI

HTS-SUB Subwoofer

8-in. polypropylene driver. Magnetic shielding. Power handling 100 W rms; FR 38-200 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 150 Hz. 17 1/2 x 14 x 10 in. \$250

HTS-SAT 2-Way Speaker

5 1/4-in. polypropylene woofer and dome tweeter. Magnetic shielding. Power handling 60 W rms; FR 70-22,500 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,800 Hz. 7 x 10 x 6 3/4 in. \$100

MONITOR AUDIO

Studio Series**Studio 20 2-Way Speaker**

6-in. anodized aluminum/ceramic woofer and 1-in. anodized-gold metal-dome tweeter. Power handling 200 W; FR 35-30,000 Hz \pm 3 dB; sens 88.5 dB SPL/W/m; imp 8 ohms. Rosewood, black-piano lacquer, oak, walnut, or black-ash. 8 x 32 x 10 in. \$4,499/pr

Studio 15 2-Way Monitor Speaker

Ported design with 6-in. anodized aluminum/ceramic woofer and 1-in. anodized-gold metal-dome tweeter. Power handling 200 W; FR 35-30,000 Hz \pm 3 dB; sens 88.5 dB SPL/W/m; imp 8 ohms. Double-black lacquer finish. 8 x 20 x 10 in. \$3,499/pr

Studio 10 2-Way Bookshelf Speaker

6-in. anodized-aluminum/ceramic woofer and 1-in. anodized-gold metal-dome tweeter. Power handling 200 W; FR 40-30,000 Hz \pm 3 dB; imp 8 ohms; sens 88.5 dB SPL/W/m. Rosewood, black-ash, walnut, or oak finish. 8 x 16 x 10 in. \$2,549/pr

Studio 5 2-Way Monitor Speaker

4 1/2-in. anodized aluminum/ceramic woofer in sealed cabinet and 1-in. anodized-gold metal-dome tweeter. Power handling 120 W; FR 50-30,000 \pm 3 dB; sens 86 dB SPL/W/m; imp 8 ohms. Rosewood, black-ash, oak, or matched-walnut wood-veneer finish. 8 x 12 1/2 x 7 in. \$1,349/pr

Gold Series**MA1800 Gold 2-Way Speaker**

Double-ported design with two 6-in. polypropylene woofers and 1-in. gold metal-dome tweeter. Features balanced flow design; cabinet with sand-loading compartment. Power handling 300 W; FR 30-30,000 Hz \pm 3 dB; imp 8 ohms; sens 89 dB SPL/W/m. Black-ash, oak, walnut, or rosewood finish. 15 x 46 x 12 in. \$3,499/pr

MA1200 Gold 2-Way Speaker

Ported design with 6-in. polypropylene woofer and 1-in. gold metal-dome tweeter. Cabinet with sand-load-

ing compartment. Power handling 200 W; FR 35-30,000 Hz \pm 3 dB; imp 8 ohms; sens 89 dB. Black-ash, oak, walnut, or rosewood finish. 8 x 36 x 10 in. \$1,999/pr

MA952 Gold 2-Way Speaker

Infinite-baffle design with two 6-in. polypropylene woofers and 1-in. gold metal-dome tweeter. Power handling 120 W; FR 45-30,000 Hz \pm 3 dB; imp 8 ohms; sens 89 dB SPL/W/m. Black-ash, Kenya-black, oak, or walnut finish. 9 x 31 x 13 in. \$1,699/pr

MA852 Gold 2-Way Speaker

Infinite-baffle design with 8-in. polypropylene woofer and 1-in. gold metal-dome tweeter. Internally braced cabinet. Power handling 120 W; FR 50-30,000 Hz \pm 3 dB; imp 8 ohms; sens 89 dB SPL/W/m. Black-ash, Kenya-black, oak, or walnut finish. 10 x 18 x 11 in. \$1,399/pr

MA700 Gold 2-Way Bookshelf Speaker

6-in. polypropylene woofer and 1-in. anodized gold metal-dome tweeter. Biwire/biamp terminals. Power handling 100 W; FR 45-30,000 Hz \pm 3 dB; imp 8 ohms; sens 89 dB SPL/W/m. Rosewood, black-ash, walnut, or oak finish. 8 1/2 x 14 x 10 in. \$999/pr

MA10 Gold 2-Way Bookshelf Speaker

Bass-reflex design with impregnated woofer and 3/4-in. aluminum/magnesium/gold anodized dome tweeter with vented voice coil. Features magnetic shielding; rubber surround; die-cast chassis; MDF construction. Biwire/biamp terminals. Power handling 70 W; FR 60-20,000 Hz \pm 3 dB; imp 8 ohms; sens 88.5 dB SPL/W/m. Rosewood or black-ash finish. 6 x 9 1/2 x 6 1/4 in. \$599/pr

Monitor Series

The following feature MDF cabinets.

Monitor 14 3-Way Speaker

Two 6 1/2-in. woofers and 1-in. metal-dome tweeter. Biwireable crossover; spiked feet; sand compartment. Power handling 100 W; FR 60-20,000 Hz \pm 3 dB; imp 9 ohms; sens 88 dB SPL/W/m. Black double-lacquer finish. 8 x 30 x 9 in. \$899/pr

Monitor 11 3-Way Speaker

Two 6 1/2-in. woofers and 1-in. metal-dome tweeter. Power handling 100 W; FR 60-20,000 Hz \pm 3 dB; imp 8 ohms; sens 88 dB SPL/W/m. Black lacquer finish. 8 x 22 1/2 x 9 in. \$789/pr

Monitor 9 2-Way Bookshelf Speaker

Infinite-baffle design with 6 1/2-in. impregnated woofer and 1-in. metal-dome tweeter. Power handling 100 W; FR 55-20,000 Hz \pm 3 dB; imp 8 ohms; sens 88 dB SPL/W/m. 8 x 14 1/2 x 8 1/4 in. \$489/pr

Monitor 7 2-Way Bookshelf Speaker

Rear-ported design with 4 1/2-in. impregnated woofer and 3/4-in. metal-dome tweeter. Power handling 70 W; FR 60-20,000 Hz \pm 3 dB; imp 8 ohms; sens 88 dB SPL/W/m. 6 1/2 x 13 1/2 x 7 in. \$379/pr

MORDAUNT-SHORT

Classic 40 2-Way Speaker

Bass-reflex design featuring two 6 1/2-in. woofers with polypropylene injection-molded cone and surround and 1-in. metal-dome tweeter with ferrofluid cooling. Features protection circuitry. Power handling 100 W cont avg; FR 50-20,000 Hz; sens 78 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Walnut, mahogany, or black-ash finish. 5-yr warranty. 8 1/2 x 31 1/2 x 11 in; 38 lb. \$1,499/pr

Classic 20 2-Way Speaker

Bass-reflex design featuring 6 1/2-in. woofer with polypropylene injection-molded cone and surround and 1-in. metal-dome tweeter with ferrofluid cooling. Features protection circuitry. Power handling 75 W cont avg; FR 60-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Walnut, mahogany, or black-ash finish. 5-yr warranty. 8 1/2 x 14 1/2 x 10 1/2

S P E A K E R S

in; 18 lb \$999/pr
 Speaker stand for above \$199/pr

MS 5.50 2-Way Speaker

Transmission-line design with two 8-in polypropylene woofer and 1-in aluminum-dome ferrofluid-cooled tweeter. 3/4-in high-density particleboard baffles; protection circuitry. Gold-plated biwire/biamp terminals. FR 50-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Black-ash finish. 9 7/8 x 32 3/8 x 12 1/4 in; 40 lb \$999/pr

MS 5.40 2-Way Speaker

Ported design with two 6 1/2-in woofers and 1-in aluminum-dome tweeter. Minimal-diffraction grilles integrated into baffle; protection circuitry. Gold-plated biwire/biamp terminals. FR 60-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Black-ash finish. 8 1/2 x 25 1/4 x 10 3/8 in; 21 lb \$799/pr

MS 5.30 2-Way Speaker

Ported design with 8-in woofer and 1-in aluminum-dome tweeter. Minimal-diffraction grilles integrated into baffle; protection circuitry. Gold-plated biwire/biamp terminals. FR 60-20,000 Hz ± 5 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Black-ash finish. 9 7/8 x 16 7/8 x 11 in; 18 lb \$499/pr

MS 5.20 2-Way Speaker

Ported design with 6 1/2-in woofer and 3/4-in aluminum-dome tweeter. Minimal-diffraction grilles integrated into baffle; protection circuitry. Gold-plated biwire/biamp terminals. FR 65-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Black-ash finish. 8 1/2 x 14 3/8 x 8 3/8 in; 9 lb \$399/pr

MS 5.10 2-Way Speaker

Ported design with 5 1/2-in woofer and 3/4-in aluminum-dome tweeter. Minimal-diffraction grilles integrated into baffle; protection circuitry. Gold-plated biwire/biamp terminals. FR 70-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Black-ash finish. 7 3/8 x 12 x 8 3/8 in \$299/pr

MOREL

Prelude 2-Way Speaker

Transmission-line design with dual-magnet 6-in woofer and dual-magnet 1 1/8-in dome tweeter. Power handling 150 W; FR 38-21,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 5 ohms. Available with oak- or black-veneer finish \$1,295/pr

Duet 2-Way Speaker

6-in double-magnet woofer and 1 1/8-in ferrofluid-cooled soft-dome tweeter. Features Hexatech voice-coil windings. Power handling 150 W cont; FR 40-22,000 Hz ± 2 dB. Black-lacquer finish. 8 x 15 x 12 in; 20 lb \$995/pr
 Blond-oak veneer \$945/pr

Encore Subwoofer/Satellite System

Bass enclosure with two 9-in woofers in push-pull configuration and two satellites, each with 6-in woofer and 1 1/8-in dome tweeter. Sub: power handling 150 W cont avg; FR 30-90 Hz; crossover point 90 Hz. Black-lacquer or matte-black finish. 12 x 20 x 14 in; 32 lb. Satellites: power handling 120 W cont avg; FR 90-22,000 Hz. 7 x 11 x 9 in; 16 lb \$990
 Satellites \$495/pr
 Subwoofer \$495

MPL-501 3-Way Speaker

Ported design with 9-in free-edge paper woofer, 3-in dome midrange, and 1 1/8-in dome tweeter. Power handling 200 W; FR 34-25,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Walnut or black veneer. 10 1/4 x 33 x 12 in; 42 lb \$895/pr

MPL-203 2-Way Speaker

Sealed, linear-phase design with 6-in double-magnet woofer and 1 1/8-in ferrofluid-cooled soft-dome tweeter. 3-in voice coil. Power handling 150 W; FR 45-28,000 Hz ± 3 dB. Walnut, red walnut, teak, or black finish. 8 x 16 x 9 1/2 in; 18 lb \$640/pr

MLP-202 II Bookshelf Speaker

Acoustic-suspension design. Power handling 150 W cont; FR 60-28,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 4-6 ohms. Walnut, teak, or black finish. 8 x 13 x 10 in \$545/pr

CR-7 2-Way Bookshelf Speaker

Acoustic-suspension design with 6-in treated-paper woofer and 1-in soft-dome tweeter. Asymmetrical cabinet design. Power handling 200 W cont; FR 70-25,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 4-8 ohms. Black finish. 4 3/4 x 11 x 7 1/2 in; 10 lb \$498/pr

MLP-201 II 2-Way Bookshelf Speaker

Acoustic-suspension design with 9-in free-edge paper woofer and 1 1/8-in dome tweeter. Gold-plated biwire/biamp terminals. FR 48-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. Walnut finish \$395/pr

MTX

D Series

D9550E 5-Way Speaker

12-in polymer woofer, two 5-in sealed-back ferrofluid-cooled midranges, 3-in cone tweeter, 1-in soft-dome tweeter. Power handling 205 W cont avg; FR 32-22,000 Hz; sens 99.5 dB SPL/W/m; imp 8 ohms. Oak or black-ash finish. 15 x 40 7/8 x 14 1/2 in \$880/pr

D5550E 4-Way Speaker

Vented design with 15-in polymer-coated woofer, 5-in sealed-back ferrofluid-cooled midrange, 3-in ferrofluid-cooled dome tweeter, and 1-in soft-dome ferrofluid-cooled tweeter. Power handling 120 W cont avg; FR 43-22,000 Hz; sens 96.5 dB SPL/W/m; imp 4/8 ohms. Crossover points 1,700, and 6,000 Hz. 15 1/2 x 27 x 10 1/4 in \$520/pr

D4550E 3-Way Speaker

Vented design with 10-in polymer woofer, 5-in sealed-back ferrofluid-cooled midrange, and 1-in soft-dome ferrofluid-cooled tweeter. Power handling 80 W cont avg; FR 45-22,000 Hz; sens 95.5 dB SPL/W/m; imp 4/8 ohms. 15 x 24 x 10 in \$420/pr

D3550E 2-Way Bookshelf Speaker

Vented design with 8-in polymer woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 45 W cont avg; FR 60-22,000 Hz; sens 94.5 dB SPL/W/m; imp 4/8 ohms. 11 1/4 x 18 1/2 x 8 in \$280/pr

D2550E 2-Way Bookshelf Speaker

Vented design with 6 1/2-in polymer woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 40 W cont avg; FR 65-22,000 Hz; sens 91.5 dB SPL/W/m; imp 4/8 ohms. 9 3/8 x 12 3/4 x 7 in \$230/pr

AAL Series

The following feature a 10-year warranty.

AAL 124 4-Way Speaker

Vented design with 12-in fiber-cone woofer, 4-in and 3-in ferrofluid-cooled midranges, and 3 3/4-in horn-loaded quartz tweeter. Power handling 100 W cont avg; FR 50-20,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. 15 1/2 x 27 x 10 3/4 in \$400/pr

AAL 103 3-Way Speaker

Vented design with 10-in fiber-cone woofer, 4-in ferrofluid-cooled cone midrange, and 3 3/4-in horn-loaded quartz tweeter. Power handling 75 W cont avg; FR 55-20,000 Hz; sens 91.5 dB SPL/W/m; imp 4 ohms. 15 x 24 x 10 1/2 in \$360/pr

AAL 223 4-Way Speaker

Vented design with two 12-in fiber-cone woofers, 5-in ferrofluid-cooled midrange, and horn-loaded quartz tweeter. Power handling 300 W cont avg; FR 38-22,000 Hz; sens 93 dB SPL/W/m; imp 4 ohms. 16 x 39 3/8 x 15 in \$299

AAL 154 4-Way Speaker

Vented design with 15-in fiber-cone woofer, 4-in and 3-in ferrofluid-cooled midranges, and 3 3/4-in round

horn-loaded quartz tweeter. Power handling 125 W cont avg; FR 40-20,000 Hz; sens 92 dB SPL/W/m; imp 4 ohms. 18 1/2 x 29 x 15 in \$249/pr

AAL 83 3-Way Bookshelf Speaker

Vented design with 8-in fiber-cone woofer, 3-in ferrofluid-cooled cone midrange, and 3 3/4-in horn-loaded tweeter. Power handling 50 W cont avg; FR 75-20,000 Hz; sens 92 dB SPL/W/m; imp 4 ohms. 11 1/4 x 18 1/2 x 8 1/2 in \$230/pr

AAL 62 2-Way Bookshelf Speaker

Vented design with 6 1/2-in fiber-cone woofer and 3 3/4-in horn-loaded tweeter. Power handling 38 W cont avg; FR 90-20,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. 9 1/2 x 12 7/8 x 7 1/2 in \$200/pr

MUSE

Model Eighteen Powered Subwoofer

Two 10-in drivers in slot-loaded 6th-order enclosure with 225-W power amp. Features delay control; discrete high-pass active filters. Walnut finish. 25 x 25 x 25 in; 155 lb \$3,000
 With oak finish \$2,750

MUSEATEX

The following feature a 5-year warranty.

RTRE-1 2-Way Speaker

Hybrid design combining real-time ripple-effect dipole diaphragm and 8-in woofer. Power handling 200 W max; FR 40-20,000 Hz ± 3 dB; sens 85 dB SPL; crossover point 400 Hz \$2,199

Melior One Speaker

Dipole planar design incorporating real-time ripple effect technology. No crossover. Power handling 200 W max; FR 45-20,000 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 4 ohms. Mahogany or black-lacquer finish. 22 x 45 x 3 in; 45 lb \$1,999/pr
Melior Two. As above, power handling 150 W max; FR 50-20,000 Hz ± 3 dB; sens 84 dB SPL/W/m. Mahogany or black semi-gloss finish; optional high-gloss finish. 19 x 38 x 3 in; 38 lb \$1,299/pr

SW-15 Powered Subwoofer

Downward-firing 15-in driver. Built-in 300-W power amp with direct-coupled MOSFET output design and floating charge power supply; negative imp feed-forward sensing system. Adjustable damping and sens; removable baffle. FR 27-400 Hz ± 3 dB. Mahogany, black, or high-gloss finish. 20 x 20 x 23 in; 75 lb \$1,549

SW-12.

As above, 12-in woofer. FR 30-400 Hz ± 3 dB. Mahogany or black finish. 18 x 20 x 21 in; 55 lb \$1,099

Melior WAL-1 In-Wall Speaker

Dipole planar design incorporating real-time ripple-effect technology. Power handling 100 W max; FR 60-20,000 Hz ± 3 dB; sens 83 dB SPL/W/m; imp 4 ohms. Paintable white frame and grille \$899/pr

Melior Three Bookshelf Speaker

Dipole planar design incorporating real-time ripple-effect technology. Power handling 100 W max; FR 65-20,000 Hz ± 3 dB; sens 83 dB SPL/W/m; imp 4 ohms. Mahogany or black lacquer finish \$699

NAIM

NA DBL Loudspeaker

Decoupled box design with 15-in woofer, 5-in infrabaffle midrange, and 3/4-in soft-dome tweeter. Features computer-calculated damping systems. All drivers are matched pairs. Power handling 200 W; FR 17-20,000 Hz ± 3 dB; min imp 4 ohms; sens 92 dB SPL/W/m. Black-ash or walnut finish. 16 x 47 x 26 in; 200 lb \$14,995/pr

NA SBL 2-Way Speaker

8-in woofer and 3/4-in dome tweeter. External, detachable crossover; decoupled tweeter. Includes

S P E A K E R S

stand. Power handling 75 W max; FR 30-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 6 ohms. Black-ash or walnut finish. 10 $\frac{3}{8}$ x 3 $\frac{1}{2}$ x 10 $\frac{1}{2}$ in. . . . \$3,495/pr

NA IBL 2-Way Speaker

5-in woofer and $\frac{3}{4}$ -in dome tweeter. Features detachable crossover. Power handling 65 W max; FR 45-20,000 Hz ± 3 dB; sens 86.5 dB SPL/W/m; imp 6 ohms. Black-ash or walnut finish. 9 $\frac{3}{4}$ x 3 $\frac{1}{4}$ x 10 $\frac{7}{8}$ in. . . . \$1,695/pr

NA PXO. Passive crossover for above \$260

NEAR

CS-410 M 3-Way Speaker

4 woofers, 2 midranges, and 8 tweeters in array. Power handling 350 W max; imp 8 ohms. Moorish styling. 36 x 52 x 19 in. . . . \$7,600/pr

CS-4000 M 3-Way Speaker

Infinite-baffle design with 2 woofers, 6 $\frac{1}{2}$ -in midrange, and eight 2-in tweeters in array. Power handling 250 W max; imp 8 ohms; crossover points 400, 2,500 Hz. Moorish styling. 26 $\frac{1}{4}$ x 44 $\frac{1}{2}$ x 15 $\frac{5}{8}$ in. . . . \$4,400/pr

CS-302 M 3-Way Speaker

12-in woofer, 6-in midrange, and two 2-in tweeters. Features infinite-baffle enclosure. Power handling 150 W max; imp 8 ohms; crossover points 400 and 2,500 Hz. Walnut finish. 26 x 28 x 15 in. . . . \$2,200/pr

CS-300M. 2-way version of above \$1,500/pr

A.E.S. 2.0 2-Way Outdoor Speaker

8-in metal-alloy cone woofer and 2-in metal-cone tweeter. Power handling 150 W max; FR 45-18,000 Hz; imp 8 ohms; crossover points 2,500 Hz. Fiberglass-resin finish. 13 x 20 x 12 in; 22 lb. . . . \$899/pr

A.E.S. 1.5 2-Way Outdoor Speaker

6-in metal-alloy-cone woofer and 2-in metal-cone tweeter. FR 55-18,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. 8 x 14 x 8 in; 15 lb. . . . \$579/pr

A.E.S. 1.6. As above, rectangular cabinets. . . . \$899/pr

A.E.S. 1.1 Outdoor Speaker. 5 $\frac{1}{4}$ -in metal-alloy cone/dome driver. FR 65-14,000 Hz. Molded cabinet. . . . \$318/pr

A.E.S. 1.2. Coaxial version of above \$359/pr

Near M-Series

The following feature a 10-year warranty with cabinets covered by a 2-year warranty.

NEAR-50ML 3-Way Speaker

Tuned-port design with 8-in metal-cone woofer, 4-in metal-alloy midrange, and 1-in metal-dome tweeter. Power handling 150 W max; FR 30-23,000 Hz ± 1.5 dB; crossover points 290 and 4,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Walnut finish. 10 $\frac{1}{2}$ x 48 x 12 in; 55 lb. . . . \$1,850/pr

As above, black-oak finish \$1,500/pr

NEAR-40ME 2-Way Speaker

Tuned-port design with 8-in metal-cone woofer and 1-in metal-dome tweeter. Power handling 250 W max; FR 32-23,000 Hz ± 2 dB; imp 8 ohms; sens 88 dB SPL/W/m; crossover point 1,800 Hz. Walnut finish. 10 $\frac{1}{2}$ x 35 x 10 $\frac{3}{4}$ in; 40 lb. . . . \$1,199/pr

As above, black oak finish \$999/pr

NEAR-30M 2-Way Bookshelf Speaker

Piston design with 8-in metal woofer and 1-in aluminum-dome tweeter. Features acoustic 4th-order linear-phase crossover; heavy duty gold-plated binding posts. Power handling 150 W max; FR 42-23,000 Hz ± 2 dB; sens 88 dB SPL/W/m; crossover points 1,800 Hz. Textured lacquer finish \$760/pr

NEAR-10M 2-Way Speaker

Ported design with 5 $\frac{1}{4}$ -in metal-cone woofer and 1-in metal-dome tweeter. Power handling 100 W max; FR 48-20,000 Hz ± 2.5 dB; sens 88.5 dB SPL/W/m; imp 6 ohms; crossover point 3,100 Hz. Black walnut finish. 5-yr warranty. 7 $\frac{1}{8}$ x 11 x 9 $\frac{3}{4}$ in; 14 lb. . . . \$549/pr

As above, black-oak finish \$399/pr

NESTOROVIC LABS

System 16A MkIII Subwoofer/Satellite System

Four Type 4A MkIII satellites and two Type 8 MkII subwoofers. 438 lb. . . . \$12,100

System 12A MkIII Subwoofer/Satellite System

Two Type 4A MkIII satellites and two Type 8 MkII subwoofers. 354 lb. . . . \$8,300

Type 5AS MkIV 4-Way Speaker

10-in woofer, 8-in woofer, 4 $\frac{3}{4}$ -in dome midrange, and 4 $\frac{1}{4}$ -in planar tweeter. Separate level controls for midrange and tweeter. FR 28-40,000 Hz ± 1 , -3 dB; sens 91 dB SPL/W/m; crossover points 1,000 and 7,000 Hz; imp 8 ohms. Optional wood finish. 15 x 36 x 15 in; 85 lb. . . . \$4,200/pr

Type 4A MkIII 3-Way Speaker

Satellite design featuring 8-in woofer, 4 $\frac{3}{4}$ -in dome midrange, and 4 $\frac{1}{4}$ -in planar tweeter. FR 60-40,000 Hz ± 1 , -3 dB; sens 91 dB SPL/W/m; crossover points 200, 1,000, and 7,000 Hz; imp 8 ohms. Optional wood finish. 12 x 22 x 12 in. 42 lb. . . . \$3,800/pr

Type 8 MkII Subwoofer

Two 12-in woofers. FR 18-250 Hz ± 1 , -3 dB; sens 91 dB SPL/W/m; crossover point 200 Hz; imp 8 ohms. Optional wood finish. 22 x 26 x 26 in; 135 lb. . . . \$2,250

NHT

Model 2.3 3-Way Speaker

Sealed design with two 6 $\frac{1}{2}$ -in woofers, 6 $\frac{1}{2}$ -in midrange, 1-in ferrofluid-cooled soft-dome tweeter; angled baffle. FR 35-25,000 Hz ± 3 dB; imp 4 ohms. Black, white, or oak-veneer finish. 7 x 37 x 12 in; 48 lb. . . . \$1,200/pr

Model 1.8 3-Way Speaker

Sealed design with two 6 $\frac{1}{2}$ -in woofers, 6 $\frac{1}{2}$ -in midrange, and 1-in ferrofluid-cooled soft-dome tweeter. Angled baffle. FR 43-22,000 Hz ± 3 dB; imp 8 ohms. Gloss black or oak-veneer finish. 7 x 34 x 12 in; 33 lb. . . . \$800/pr

SW2 Subwoofer

Vented design with 10-in driver. Features passive crossover with bypass. Power handling 200 W; FR 22-130 Hz with crossover, 22-350 Hz without; imp 8 ohms; sens 89 dB SPL/W/m. Black, white, or oak finish. 16 x 16 x 16 in; 40 lb. . . . \$700/pr

SW2P Powered Subwoofer

Vented design with 10-in driver and 80-W power amp. Features selectable 50/100/200-Hz crossover with bypass; line- and speaker-level inputs. FR 21-200 Hz ± 3 dB. 19 x 16 x 16 in; 51 lb. . . . \$650

Model 1.3 2-Way Speaker

Sealed design with 6 $\frac{1}{2}$ -in polypropylene woofer and 1-in ferrofluid-cooled dome tweeter. Angled baffle. FR 50-25,000 Hz ± 3 dB; imp 8 ohms; sens 86 dB SPL/W/m. Black, white, or oak finish. 7 x 16 $\frac{1}{2}$ x 10 in; 15 lb. . . . \$500/pr

Model 1A 3-Way Speaker

Sealed design with 6 $\frac{1}{2}$ -in woofer, 6 $\frac{1}{2}$ -in midrange, and 1-in dome tweeter. Angled baffle; magnetic shielding. Frequency response 63-22,000 Hz ± 3 dB; imp 8 ohms. Black, white, or oak finish. 7 x 12 x 10 in; 11 lb. . . . \$340/pr

SW1v Subwoofer

Sealed design with two 6 $\frac{1}{2}$ -in woofers; magnetic shielding; passive crossover. FR 40-100 Hz ± 3 dB; imp 8 ohms. Gloss black, white, or oak-veneer finish. 8 x 19 x 12 in; 33 lb. . . . \$300

Model Zero 2-Way Speaker

Sealed design with 4 $\frac{1}{2}$ -in woofer and 1-in dome tweeter. Features magnetic shielding. Wall mountable with optional bracket. FR 85-21,000 Hz ± 3 dB; imp 8 ohms. Black or white gloss finish. 6 x 9 x 5 in; 5 lb. . . . \$200/pr

Home Theater Series

VT-1 2-Way Speaker

Tuned column-loaded design with two 4 $\frac{1}{2}$ -in woofers and 1-in ferrofluid-cooled tweeter. Magnetic shielding. Includes base. Frequency response 60-21,000 Hz ± 3 dB; imp 8 ohms. Gloss black finish. 5 $\frac{1}{2}$ x 40 x 5 $\frac{1}{2}$ in; 23 lb. . . . \$650/pr

HDP-1 2-Way Bookshelf Speaker

Sealed hybrid dipolar design with 4 $\frac{1}{2}$ -in woofer and two 3-in mid-tweeters. FR 105-10,000 Hz ± 3 dB; imp 8 ohms. Gloss black or white finish. 9 x 6 x 9 in; 7 lb. . . . \$350/pr

VT-1C. As above, sealed design for center-channel use in home-theater systems. FR 95-21,000 Hz ± 3 dB. 5 $\frac{1}{2}$ x 22 x 9 in; 16 lb. . . . \$300

Model 1C 2-Way Center-Channel Speaker

Sealed design with 6 $\frac{1}{2}$ -in woofer and 1-in ferrofluid-cooled tweeter. Magnetic shielding. FR 63-22,000 Hz ± 3 dB; imp 8 ohms. Black finish. 7 x 12 x 8 $\frac{1}{2}$ in; 11 lb. . . . \$170

Zero C 2-Way Center-Channel Speaker

Sealed design with 4 $\frac{1}{2}$ -in woofer and 1-in ferrofluid-cooled tweeter. Magnetic shielding. FR 85-22,000 Hz ± 3 dB; imp 8 ohms. Black or white high-gloss finish. 9 x 5 $\frac{1}{2}$ x 5 in; 5 lb. . . . \$100

NIKKO

NS 700T 3-Way Speaker

Ported design with 6 $\frac{1}{2}$ -in polypropylene woofer, 5-in cone midrange, and 2 $\frac{1}{2}$ -in dome tweeter. Circuit breaker. Power handling 200 W max; FR 22-20,000 Hz; sens 92 dB SPL/W/m; crossover points 1,500 and 6,000 Hz. Black wood-grain finish with oak trim. 14 $\frac{3}{4}$ x 40 x 10 $\frac{1}{4}$ in; 43 lb. . . . \$299/pr

NS 500 3-Way Speaker

Ported design with 10-in polypropylene woofer, 5-in cone midrange, and 2-in dome tweeter. Circuit breaker. Power handling 150 W max; FR 28-22,000 Hz; sens 92 dB SPL/W/m; crossover points 1,500 and 6,000 Hz. Black wood-grain finish with oak trim. 12 $\frac{1}{8}$ x 32 x 10 $\frac{3}{8}$ in; 21 lb. . . . \$239/pr

NS 100 3-Way Speaker

Ported design with 5-in polypropylene woofer, 5-in cone midrange, and $\frac{1}{2}$ -in cone tweeter. Circuit breaker. Power handling 60 max; FR 50-22,000 Hz; sens 88 dB SPL/W/m; crossover point 5,000 Hz. Black wood-grain finish with oak trim. 7 x 14 $\frac{3}{4}$ x 10 $\frac{5}{8}$ in; 9 $\frac{1}{2}$ lb. . . . \$139/pr

NIKKODO

CS-M8V 2-Way Bookshelf Speaker

Bass-reflex design with 3 $\frac{3}{8}$ -in woofer and 1 $\frac{1}{4}$ -in dome tweeter. Magnetic shielding. Power handling 80 W max; FR 90-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 10 x 6 $\frac{1}{4}$ x 6 $\frac{1}{2}$ in; 5 lb. . . . \$229/pr

CS-M7V Bookshelf Speaker

Bass-reflex design with 3 $\frac{3}{8}$ -in full-range driver. Magnetic shielding. Power handling 80 W max; FR 19-13,000 Hz; sens 89 dB SPL/W/m; imp 6 ohms. 9 $\frac{1}{2}$ x 6 x 5 $\frac{3}{4}$ in; 5 lb. . . . \$219/pr

NILES

NSW-100 Powered In-Wall Subwoofer System

8-in driver in in-wall enclosure and separate 100-W amp with line-level and speaker-level inputs. Auto on/off via music sensing; subwoofer-level control; bypass and phase-reversal switches. Crossover point 100 Hz with 24-dB/oct slope; FR 38-100 Hz ± 2 dB. Amp: 17 x 3 $\frac{1}{2}$ x 10 in; 14 lb. Subwoofer: 14 x 42 x 3 in; 24 lb. . . . \$1,100

NSW-8. As above, without amp \$350

Model 300 2-Way In-Wall Speaker

8-in polypropylene woofer with butyl surround and treated-labric dust cap, 1-in soft-dome tweeter. 2-

S P E A K E R S

position tweeter-level control. Power handling 105 W max; FR 40-20,000 Hz ± 2 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Pearl-white finish with cloth or metal grille. \$650/pr

Model 200 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in polypropylene woofer with butyl surround and treated-fabric dust cap, 1-in soft-dome tweeter. 2-position tweeter level. Power handling 80 W max; FR 55-20,000 Hz ± 2 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 2,800 Hz. Pearl-white finish with metal or cloth grille; new-construction or retrofit brackets. 9 x 12 x 3 in; 5 lb. \$500/pr

Model 100 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in polypropylene woofer with foam surround and treated-fabric dust cap, 1-in dome tweeter. 2-position tweeter-level control. Power handling 55 W max; FR 55-20,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Pearl-white finish with cloth or metal grille; new-construction or retrofit brackets. 9 x 12 x 3 in; 3 lb. \$360/pr

Model 75 2-Way In-Wall Speaker

5 $\frac{1}{4}$ -in polypropylene woofer with treated urethane surround, $\frac{3}{4}$ -in polycarbonate dome tweeter. Designed for ceiling installation. Power handling 45 W max; FR 63-20,000 Hz ± 4 dB; sens 86 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. Pearl-white finish. Choice of square, round, or recessed lighting-type bezel and grille. Square: 6 $\frac{3}{8}$ x 6 $\frac{3}{8}$ x 2 $\frac{1}{2}$ in. Round: 7 $\frac{3}{8}$ x 3 $\frac{1}{2}$ in. \$250/pr

NORMAN LABORATORIES

The following feature $\frac{3}{4}$ -in thick internally braced wood cabinets and black cloth grilles.

Model 93 3-Way Speaker

12-in poly woofer. 5 $\frac{1}{4}$ -in poly midrange, and 1-in dome tweeter. Power handling 350 W max; FR 35-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 14 $\frac{1}{2}$ x 26 x 9 $\frac{1}{2}$ in; 84 lb. \$300

Model 83 3-Way Speaker

10-in poly woofer, 5 $\frac{1}{4}$ -in poly midrange, and 1-in dome tweeter. Power handling 250 W max; FR 38-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 11 $\frac{1}{8}$ x 23 x 9 $\frac{3}{8}$ in; 62 lb. \$260

Model 82 2-Way Speaker

10-in poly woofer, 1-in dome tweeter. Power handling 250 W max; FR 38-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 11 $\frac{1}{8}$ x 23 x 9 $\frac{3}{8}$ in; 58 lb. \$200

Model 50 2-Way Speaker

6 $\frac{1}{2}$ -in poly woofer and $\frac{3}{8}$ -in dome tweeter. Power handling 100 W max; FR 50-20,000 Hz; sens 90 dB SPL/W/m. 8 $\frac{5}{8}$ x 13 $\frac{3}{8}$ x 7 $\frac{1}{2}$ in; 25 lb. \$120

Classic Series

The following feature gold-plated 5-way connectors and a built-in pedestal.

Model 635 3-Way Speaker

Three 10-in poly woofers, 5 $\frac{1}{4}$ -in poly midrange, and 1-in dome tweeter. Power handling 600 W max; FR 25-20,000 Hz; sens 95 dB SPL/W/m; imp 8 ohms. 16 $\frac{3}{4}$ x 49 x 11 in; 155 lb. \$900

Model 435 3-Way Speaker

Two 10-in poly woofers, 5 $\frac{1}{4}$ -in poly midrange, and 1-in dome tweeter. Power handling 500 W max; FR 30-20,000 Hz; sens 94 dB SPL/W/m; imp 8 ohms. 15 x 40 x 9 $\frac{3}{8}$ in; 112 lb. \$550

Model 335 3-Way Speaker

10-in poly woofer, 5 $\frac{1}{4}$ -in poly midrange, and 1-in dome tweeter. Power handling 250 W max; FR 35-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. 13 x 32 $\frac{1}{2}$ x 9 $\frac{3}{8}$ in; 80 lb. \$400

Model 235 3-Way Speaker

10-in poly woofer, 5 $\frac{1}{4}$ -in poly midrange, and 1-in dome tweeter. Power handling 250 W max; FR 38-

20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 12 x 23 x 9 $\frac{3}{8}$ in; 60 lb. \$300

OHM ACOUSTICS

The following are available with a walnut, oak-wood, or black-lacquer finish.

Walsh-5 2-Way Speaker

Coherent-line-source configuration with inverted-cone driver and supertweeter. Features gold-plated 5-way binding posts; protection circuitry; gold internal connectors; Monster Cable internal wiring; casters/spikes. 3 controls for lows, perspective, and highs, each with 3 positions. Power handling 650 W max; FR 25-25,000 Hz ± 3 dB; sens 88 dB; imp 4 ohms. 17 $\frac{1}{2}$ x 17 $\frac{1}{2}$ in tapering to 15 x 15 in at top, 43-in height; 95 lb. \$6,000/pr

Walsh-300 2-Way Speaker

Coherent-line-source configuration with inverted-cone driver and supertweeter. Features protection circuitry; gold-plated 5-way binding posts; casters/spikes. Power handling 300 W max; FR 25-25,000 Hz ± 3 dB; sens 88 dB; imp 8 ohms. 13 $\frac{3}{4}$ x 17 $\frac{3}{4}$ x 48 $\frac{1}{4}$ in. \$1,995/pr

Walsh-200. As above, power handling 200 W max; FR 32-20,000 Hz ± 3 dB; sens 90 dB; imp 8 ohms. 11 $\frac{3}{4}$ x 15 $\frac{3}{4}$ x 42 $\frac{1}{4}$ in. \$1,395/pr

Walsh-100. As above, power handling 100 W max; FR 40-20,000 Hz ± 3 dB; sens 90 dB; imp 8 ohms. 9 $\frac{3}{4}$ x 13 $\frac{3}{4}$ x 42 $\frac{1}{4}$ in. \$995/pr

CAM-32 2-Way Bookshelf Speaker

6 $\frac{1}{2}$ -in woofer, 10-in passive radiator, and rotatable $\frac{3}{4}$ -in polycarbonate-dome tweeter. Features protection circuitry; patented sub-bass activator. Power handling 100 W max; FR 42-20,000 Hz ± 3 dB; sens 90 dB; imp 8 ohms. Black-oak vinyl finish. 11 x 11 x 32 in. \$520/pr

CAM-16. As above without passive radiator. Power handling 85 W max; FR 46-20,000 Hz ± 3 dB; sens 89 dB; imp 8 ohms. 9 x 11 x 21 in. \$400/pr

OMNI SOUND

TCM 3 2-Way Speaker

Vented design with 8-in carbon graphite woofer and 1-in aluminum-dome tweeter. Power handling 200 W; FR 36-22,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 8 ohms. White, black, rosewood, teak, or walnut laminate finish. 11 x 36 x 13 in; 58 lb. \$695/pr

TCM 2. As above, FR 50-22,000 Hz ± 3 dB. 11 x 20 x 11 in; 38 lb. \$595/pr

TCM 1. As TCM 2, with 6 $\frac{1}{2}$ -in woofer. FR 62-22,000 Hz ± 3 dB; sens 90 dB SPL/W/m; nom imp 4 ohms. 8 x 13 x 9 in; 22 lb. \$495/pr

OPTIMUS BY RADIO SHACK

Mach Three 3-Way Speaker

Ferrolfluid-cooled midrange and tweeter horns. Midrange- and tweeter-level controls. FR 50-25,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. Walnut finish with removable cloth grille. 13 x 17 $\frac{3}{4}$ x 30 in. \$300

Model 1050 3-Way Speaker

Bass-reflex design with 15-in woofer, 5-in midrange, and 3-in ferrolfluid-cooled tweeter. Features tuned port. FR 60-20,000 Hz; power handling 100 W; sens 90 dB SPL/W/m; imp 8 ohms. Oiled walnut finish with removable grille. 11 $\frac{1}{8}$ x 29 $\frac{3}{8}$ x 17 $\frac{3}{8}$ in; 44 lb. \$200

Model 950 2-Way Speaker

Bass-reflex design with 15-in woofer and ferrolfluid-cooled tweeter. Features tuned port. FR 50-20,000 Hz; power handling 100 W; sens 90 dB SPL/W/m; imp 8 ohms. Oiled walnut finish with removable grille. 11 $\frac{1}{4}$ x 23 $\frac{1}{4}$ x 19 $\frac{1}{2}$ in. \$170

Model 990 2-Way Speaker

Bass-reflex design with long-throw woofer and piezo horn tweeter. Power handling 100 W; FR 55-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. Oiled walnut veneer with removable cloth grille. \$170

Model 660 3-Way Speaker

Bass-reflex design with long-throw woofer, 5-in midrange, and horn tweeter. Oiled walnut veneer with removable cloth grille. \$120

OTVOS INDUSTRIES

Mach 7 4-Way Speaker

15-in woofer, two 6 $\frac{1}{2}$ -in midranges, 1-in titanium-dome tweeter, and ribbon supertweeter. Features 3-mm layer of felt behind grill cloth; 12-element passive crossover; active crossover. Power handling 500 W; FR 28-20,000 Hz ± 1 dB; sens 89.8 dB anechoic, 92.5 dB room; imp 8 ohms; crossover points 150, 2,300, and 9,000 Hz. Cultured latex and nitro-cellulose finish. Custom finishes available. 20 x 30 x 48 in; 180 lb. \$8,400

OWI

LPV-53 3-Way Outdoor Speaker

Ultraviolet-protected, waterproof cabinet. Power handling 60 W rms; FR 60-22,000 Hz; imp 8 ohms; sens 93 dB. 22 x 15 x 25 in; 70 lb. \$560

SPV-03. As above, power handling 50 W rms; FR 90-22,000 Hz; sens 92 dB. 18 x 12 x 24 in; 50 lb. \$450

Model 2300 2-Way Wall/Ceiling Speaker

Flat-wave system with 5 x 5-in dynapleat woofer with strontium magnet, 1 $\frac{1}{2}$ -in dyna-ribbon tweeter. Power handling 30 W nom; FR 50-20,000 Hz; sens 85 dB SPL/W/m; imp 4 ohms; crossover point 5,000 Hz. Ivory or black finish. 9 x 9 x 1 $\frac{1}{2}$ in; 3 lb. \$450/pr

Model 3301 Wall/Ceiling Speaker

Flush-mount design with 5 $\frac{1}{2}$ -in Honeycomb-Ring speaker and coaxially mounted tweeter. 10-oz strontium magnet. Power handling 30 W nom; FR 50-20,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. White finish. 10 x 1 $\frac{1}{4}$ in; 3 lb. \$450/pr

OWI-503 3-Way Outdoor Speaker

5 $\frac{1}{4}$ -in woofer, 2- and 1-in tweeters. Power handling 60 W nom; FR 60-22,000 Hz; sens 93 dB SPL/W/m; imp 8 ohm; crossover points 6,000 and 9,000 Hz. Aluminum die-cast cabinet with black or cream finish. 6 $\frac{3}{4}$ x 10 x 6 in; 7 lb. \$350/pr

Thinly II 2301 Wall/Ceiling Speaker

Flush-mount design with 5 $\frac{1}{2}$ -in Honeycomb-Ring speaker. 8 $\frac{1}{2}$ -oz strontium magnet. Power handling 30 W nom; FR 65-20,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms. Black or ivory finish. 9 x 9 x 1 $\frac{1}{4}$ in; 2 lb. \$350/pr

OWI-502 2-Way Outdoor Speaker

5 $\frac{1}{4}$ -in woofer and 2-in tweeter with 10-oz magnet. Power handling 60 W rms; FR 60-19,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms; crossover point 6,000 Hz. Aluminum die-cast cabinet. Black, cream, or white finish. 6 $\frac{3}{4}$ x 10 x 6 in; 7 lb. \$320/pr

OWI-900 Outdoor Subwoofer

5 $\frac{1}{4}$ -in driver with 10-oz magnet. Power handling 30 W nom; FR 40-450 Hz; imp 8 ohms; sens 93 dB SPL/W/m; crossover point 430 Hz. Aluminum die-cast cabinet; black finish. 6 $\frac{3}{4}$ x 10 x 6 in. \$225

Model 3302 Outdoor Speaker

Wall/ceiling flush-mount design with 5 $\frac{1}{2}$ -in Honeycomb-Ring speaker. 10-oz strontium magnet. Power handling 30 W nom; sens 91 dB SPL/W/m; imp 4 ohms. White finish. \$200/pr

OWI-203 3-Way Outdoor Speaker

4-in polypropylene woofer, 2- and 1 $\frac{1}{2}$ -in Mylar tweeters. 10-oz strontium magnet. Power handling 100 W max; FR 90-22,000 Hz; imp 8 ohm; sens 92 dB SPL/W/m; crossover points 6,000 and 9,000 Hz. Aluminum die-cast cabinet; gray, black, or cream finish. 4 $\frac{1}{2}$ x 7 x 4 in; 5 $\frac{1}{2}$ lb. \$190/pr

OWI-202 2-Way Outdoor Speaker

4-in polypropylene woofer, 2-in Mylar tweeter. 10-oz strontium magnet. Power handling 40 W nom; FR 90-

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20,000 Hz; imp 8 ohms; sens 92 dB SPL/W/m; crossover point 6,000 Hz. Black, cream, or white finish. 4 1/2 x 7 x 4 in. \$170/pr

M-5CX Outdoor Speaker

Flush-mount design with 5/4-in polypropylene cone woofer and coaxially mounted 1/2-in tweeter. 7-oz magnet. Power handling 20 W nom; FR 50-20,000 Hz; sens 94 dB SPL/W/m; imp 4 ohms. White finish \$89

M-4F Weather-Resistant Speaker

Flush-mount design with 4-in polypropylene cone speaker. 4-oz magnet. Power handling 15 W nom; FR 70-18,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. White finish \$65

PACIFIC

HTB-6 Subwoofer/Satellite System

Designed for surround applications. Subwoofer with two 8-in carbon-infused polypropylene cones, and 5 vented-design satellites, each with 4-in full-range driver. Power handling 100 W subwoofer, 60 W satellite; FR 35-120 Hz sub, 100-21,000 Hz sat; sens 90 dB SPL/W/m; imp 8 ohms; 100-Hz crossover point at subwoofer. Black or white finish with swivel mount brackets. Subwoofer: 11 x 24 x 14 in. Satellites: 5 x 7 1/2 x 5 in; 3 lb \$630

PARADIGM

Phantom 2-Way Speaker

8-in polypropylene woofer with Kapton former and 3/4-in textile tweeter. Lateral bracing. Power handling 150 W; FR 40-20,000 Hz \pm 2 dB; sens 90 dB SPL/W/m. Oak or black-ash vinyl finish. 9 3/4 x 18 1/4 x 11 1/2 in; 20 lb \$279/pr

Titan 2-Way Speaker

6-in polypropylene woofer with Kapton former and 3/4-in polyimide-dome tweeter. Power handling 100 W; FR 55-20,000 Hz \pm 2 dB; sens 88 dB SPL/W/m. Oak or black-ash vinyl finish. 7 3/4 x 12 1/2 x 9 1/2 in; 13 lb \$199/pr

Monitor Series

The following feature ferrofluid tweeter cooling.

Studio Monitor 3-Way Speaker

Two 8-in mineral-filled polypropylene woofers with aluminum/nomex formers, 5-in mineral-filled polypropylene midrange with Kapton former, and aluminum-dome tweeter. Features 12- and 18-dB/oct crossovers; triwire/biamp terminals. Power handling 300 W; FR 25-20,000 Hz \pm 2 dB; sens 90 dB SPL/W/m. Walnut or black-ash veneer finish. 12 1/4 x 43 1/2 x 16 1/2 in; 93 lb \$1,899/pr

Eclipse Monitor 2-Way Speaker

Two 8-in mica-filled polypropylene woofers with Kapton formers and 1-in aluminum-dome tweeter. Features 24-dB/oct crossover; Medite baffle and platform bracing; biwire/biamp terminals. Power handling 250 W; FR 28-20,000 Hz \pm 2 dB; sens 91 dB SPL/W/m. Walnut, oak, or black-ash veneer finish. 11 1/2 x 40 x 16 1/2 in; 73 lb \$1,499/pr

Esprit Monitor 2-Way Speaker

Two 8-in mica-filled polypropylene woofers with Kapton formers and 1-in aluminum-dome tweeter. Features 18-dB/oct crossover; Medite baffle and platform bracing; biwire/biamp terminals. Power handling 250 W; FR 34-20,000 Hz \pm 2 dB; sens 94 dB SPL/W/m. Walnut, oak, or black-ash veneer finish. 10 3/4 x 37 1/2 x 14 1/4 in; 62 lb \$1,199/pr

Export Monitor 2-Way Speaker

8-in mineral-filled polypropylene woofer with Kapton former and 1-in aluminum-dome tweeter. Features 24-dB/oct crossover; Medite baffle and platform bracing; biwire/biamp terminals. Power handling 150 W; FR 28-20,000 Hz \pm 2 dB; sens 89 dB SPL/W/m. Walnut, oak, or black-ash finish. 10 3/4 x 24 x 14 in; 35 lb \$849/pr

Compact Monitor 2-Way Speaker

6-in mineral-filled polypropylene woofer with Kapton former and 1-in aluminum-dome tweeter. Features 18-dB/oct crossover; Medite baffle and platform bracing; biwire/biamp terminals. Power handling 100 W; FR 40-20,000 Hz \pm 2 dB; sens 88 dB SPL/W/m. Walnut, oak, or black-ash finish. 8 1/2 x 15 1/2 x 12 in; 22 lb \$599/pr

MkII Performance Series

Model 11se MkII 2-Way Speaker

Two 8-in mineral-filled polypropylene woofers with Kapton formers and 1-in textile-dome tweeter. Radial bracing. Power handling 250 W; FR 30-20,000 Hz \pm 2 dB; sens 92 dB SPL/W/m. Oak or black-ash vinyl finish. 11 3/4 x 39 3/4 x 14 1/4 in; 60 lb \$899/pr

Model 9se MkII 2-Way Speaker

Two 8-in polypropylene woofers with Kapton formers and 1-in textile-dome tweeter. Radial bracing. Power handling 200 W; FR 34-20,000 Hz \pm 2 dB; sens 93 dB SPL/W/m. Oak or black-ash vinyl finish. 11 1/2 x 30 x 14 1/4 in; 45 lb \$699/pr

Model 7se MkII. As above, one 8-in woofer. Power handling 150 W; FR 30-20,000 Hz; sens 89 dB SPL/W/m. 10 3/4 x 25 x 13 1/4 in; 38 lb \$569/pr

Model 5se MkII. As 7se MkII, lateral bracing. FR 32-20,000 Hz \pm 2 dB; sens 90 dB SPL/W/m. 10 1/2 x 24 x 11 1/2 in; 30 lb \$499/pr

Model 3se MkII. As 5se MkII, FR 38-20,000 Hz \pm 2 dB. 10 x 20 1/2 x 11 1/2 in; 24 lb \$399/pr

Mini-MkII 2-Way Speaker

6-in polypropylene woofer with Kapton former and 1-in textile-dome tweeter. Features 12-dB/oct crossover. FR 48-20,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; power handling 100 W. Oak or black-ash vinyl finish. 8 1/4 x 14 3/4 x 9 1/2 in; 18 lb \$299/pr

Architectural Monitor Series

The following feature a one-piece main-housing/driver chassis made of die-cast aluminum, mounting brackets for retrofit or new-home installation, and a white-enamel finish.

AMS-300 2-Way In-Wall Speaker

8-in mineral-filled polypropylene woofer with Kapton former and 1-in aluminum-dome tweeter. Power handling 150 W; FR 45-20,000 Hz \pm 2 dB; sens 90 dB SPL/W/m. 8 7/8 x 12 3/8 x 3 3/8 in; 10 lb \$469/pr

AMS-200 2-Way In-Wall Speaker

6-in mineral-filled polypropylene woofer with aluminum/nomex former and 1-in textile-dome tweeter. Power handling 100 W; FR 70-20,000 Hz \pm 2.5 dB; sens 88 dB SPL/W/m. 8 x 12 x 3 3/8 in; 8 lb \$369/pr

PARAMOUNT PICTURES

Model 5350 S 4-Way Speaker

12-in woofer, 5-in midrange, and 4-in tweeter. Separate satellite with 5-in piezo horn for surround special effects. Power handling 70 W cont avg; FR 50-18,000 Hz \pm 4 dB; crossover points 1,000 and 8,000 Hz; imp 8 ohms. 15 x 27 x 12 1/4 in; 31 lb. Satellite: 15 x 5 1/2 x 12 1/4 in; 5 lb \$628

PB8 Subwoofer

8-in polypropylene driver. Power handling 100 W; FR 40-150 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 150 Hz \$600

P12PS Powered Subwoofer

12-in driver, 140-W amp, and active crossover. FR 25-150 Hz \pm 3 dB; sens 110 dB max; crossover point 150 Hz \$550

System 330 Subwoofer/Satellite System

Subwoofer with 8-in dual-voice-coil woofer, and 2 satellites, each with 5 1/4-in midrange and 1/2-in dome tweeter. Power handling 50 W max subwoofer, 100 W max satellite; FR 37-100 Hz subwoofer, 100-17,000 Hz satellite; sens 91 dB subwoofer, 89 dB satellite; imp 6 ohms. Gray or black finish \$430

P8 3-Way Speaker

8-in polyolefin woofer, 3-in polyolefin midrange, and 1-in polycarbonate-dome tweeter. Power handling 150 W; FR 32-21,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 8 ohms; crossover points 700 Hz and 4,000 Hz. 11 1/4 x 14 3/4 x 14 1/2 in \$250

Model 62 2-Way Speaker

Designed for rear channel use in surround systems. 6 1/2-in woofer and 3-in tweeter. Power handling 25 W cont avg; FR 70-18,000 Hz; crossover point 3,000 Hz; nom imp 8 ohms. 7 1/2 x 12 x 8 in \$224/pr

P6 2-Way Speaker

6-in polyolefin woofer and 1-in polycarbonate-dome tweeter. Power handling 90 W; FR 50-21,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. 9 x 14 1/2 x 9 1/2 in \$130

P5 2-Way Speaker

5 1/4-in polyolefin woofer and 1/2-in dome tweeter. Power handling 50 W; FR 60-21,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 6 ohms; crossover point 5,000 Hz. 6 3/8 x 9 5/8 x 6 1/8 in \$100

PC3 2-Way Center-Channel Speaker

Two 4-in polyolefin woofers and 1/2-in dome tweeter. Power handling 60 W; FR 70-21,000 Hz \pm 3 dB; sens 93 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. 5 1/2 x 15 x 6 in \$90

Omnispeaker Outdoor Series

The following feature a weatherproof, rust-resistant, cylindrical plastic enclosure designed to be partially recessed in the ground or in a planter. All are designed for 360° dispersion.

Granite 377B 2-Way Speaker

8-in Bozak woofer and 2-in piezo tweeter. Power handling 150 W max; FR 40-17,000 Hz; sens 95 dB. White-granite marble finish \$350

D-350/D-350T 2-Way Speaker

8-in woofer and 3-in moving-voice-coil tweeter. Power handling 80 W max; FR 60-12,000 Hz; sens 93 dB. Shrub-green finish \$225

GS-350/GS-3T 2-Way Speaker

8-in woofer and 2-in piezo tweeter. Power handling 100 W max; FR 80-17,000 Hz; sens 88 dB. Shrub-green finish \$163

PS-300 2-Way Speaker

8-in woofer and 2-in piezo tweeter. Power handling 100 W max; FR 80-17,000 Hz; sens 88 dB. Beige finish. 15 x 13 x 13 in \$150

PS-300CS. As above, 13 x 42 x 13 in \$110

In-Wall Speakers

P-83 3-Way In-Wall Speaker

Ported design with 8-in woofer, 1-in dome midrange, and 1/2-in polyimide tweeter. Poly-switch protection. Power handling 50 W nom; FR 20-30,000 Hz; sens 92 dB; imp 8 ohms; crossover points 750 Hz and 5,000 Hz. Paintable grille. 10 1/2 x 14 7/8 x 3 1/2 in \$275/pr

P-82. 2-way version of above with 1-in dome tweeter. FR 30-25,000 Hz; crossover point 2,500 Hz \$249/pr

P-65 2-Way In-Wall Speaker

Ported design with 6 1/2-in woofer, 1-in dome tweeter. Power handling 30 W nom; FR 50-22,000 Hz; sens 90 dB; imp 8 ohms; crossover point 3,000 Hz. Paintable grille. 8 1/2 x 12 x 3 3/8 in \$175/pr

P-8W In-Wall Subwoofer

Ported design with 8-in woofer. Poly-switch protection. Power handling 50 W nom; FR 30-500 Hz; sens 90 dB; imp 8 ohms; crossover 120 Hz \$149

PARASOUND

AWM-380 2-Way Outdoor Speaker

Air-suspension design with 5 1/4-in carbon-fiber-reinforced polypropylene woofer and 1-in dome tweeter.

S P E A K E R S

Features die-cast enclosure; weather-resistant parts. Power handling 80 W cont avg; FR 48-20,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 2,400 Hz. White finish \$345/pr
AW5-280. As above, 2-in dome tweeter, no reinforced polypropylene. Power handling 70 W; FR 55-20,000 Hz \pm 3 dB; crossover point 3,000 Hz. 6 1/2 x 9 1/8 x 6 3/4 in \$265/pr
AWM-360. As AWM-380, 4-in woofer. Power handling 60 W; FR 65-20,000 Hz \pm 3 dB; crossover point 2,600 Hz. 4 1/2 x 7 1/4 x 4 1/2 in \$155/pr

PEGASUS

RockMaster 3 2-Way Speaker

Vented design with 15-in woofer and 4 x 11-in horn tweeter. FR 46-20,000 Hz; sens 97 dB SPL/W/m; crossover point 3,500 Hz; imp 6 ohms. Black finish. 32 x 20 x 13 in; 79 lb \$2,400/pr
 Kit form of above \$1,200/pr

RockMaster 2 2-Way Speaker

Vented design with 12-in woofer and 4 x 11-in horn tweeter. FR 36-20,000 Hz; sens 94 dB SPL/W/m; crossover point 3,500 Hz; imp 8 ohms. Black finish. 26 x 16 x 17 in; 75 lb \$2,000/pr
 Kit form of above \$1,000/pr

RockMaster 1 2-Way Speaker

Vented design with 15-in woofer and 4 x 11-in horn tweeter. FR 58-20,000 Hz; sens 97 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. Black finish. 32 x 20 x 13 in; 67 lb \$1,600/pr
 Kit form of above \$800/pr

Stereo Subwoofer

Vented design with four 8-in composite woofers. FR 32-200 Hz; sens 89 dB SPL/W/m; imp 4 ohms. Black lacquer finish. 22 x 32 x 13 in; 70 lb \$1,299
 Kit form of above \$899

Quartet Speaker System

2 vented bass modules with 6 1/2-in woofers and 2 satellites, each with 4 1/2-in midrange and 3/4-in dome tweeter. FR 46-24,000 Hz; sens 92 dB SPL/W/m; crossover points 150 and 5,000 Hz; imp 8 ohms. Walnut or black-lacquer finish. 70 lb \$1,299
 Kit form of above \$899
Trio. As above, 3-piece system. FR 50-24,000 Hz; imp 8 ohms. 67 lb \$1,099
 Kit form of above \$770

Delta II 2-Way Speaker

Vented design with 6 1/2-in woofer and 1-in dome tweeter. FR 44-20,000 Hz; sens 88 dB SPL/W/m; crossover point 3,000 Hz; imp 8 ohms. Laminated English-oak finish. 20 x 9 x 13 in; 28 lb \$1,100/pr
 Kit form of above \$770/pr

Lambda 2-Way Speaker

Vented design with 6 1/2-in woofer and 3/4-in dome tweeter. FR 44-20,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; crossover point 4,000 Hz; imp 6 ohms. Laminated English-oak finish. 17 x 9 x 11 in; 20 lb \$850/pr
 Kit form of above \$595/pr

Alpha III 2-Way Speaker

Vented design with 5 1/4-in woofer and 3/4-in dome tweeter. Sens 87 dB SPL/W/m; crossover point 4,000 Hz; imp 8 ohms. Laminated English-oak finish. 17 x 7 x 11 in; 20 lb \$600/pr
 Kit form of above \$420/pr

PERIOD

Model 96013 3-Way Speaker

Dual-port bass-reflex design with two 8-in woofers and two 4-in midranges in isolated subclosures, and 3/8-in titanium-dome tweeter. Power handling 150 W; FR 38-20,000 Hz \pm 2.5 dB; sens 93 dB SPL/W/m; imp 4 ohms. 12 3/8 x 50 x 9 3/8 in \$400

Model 96011 2-Way Bookshelf Speaker

Acoustic-suspension design with 6 1/2-in woofer and 3/8-in titanium-dome tweeter. Power handling 50 W;

FR 67-20,000 Hz \pm 2.5 dB; sens 90 dB SPL/W/m; imp 8 ohms. 8 1/2 x 13 x 8 in \$260/pr

Model 96012 2-Way Speaker

Dual-port bass-reflex design with two 6 1/2-in woofers and 3/8-in titanium-dome tweeter. Power handling 100 W; FR 43-20,000 Hz \pm 2.5 dB; sens 93 dB SPL/W/m; imp 4 ohms. 12 3/8 x 36 x 9 3/8 in \$250

PHASE TECHNOLOGY

PC-80/90 MkII Subwoofer/Satellite System

2 PC80 satellites and PC90 subwoofer (see below for details). Power handling 150 W; FR 27-20,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 6 ohms; crossover points 90 and 2,500 Hz \$1,200

PC-60/50 MkII Subwoofer/Satellite System

2 PC60 satellites and PC50 subwoofer. Power handling 150 W; sens 87.5 dB SPL/W/m; imp 8 ohms; crossover points 150 and 1,200 Hz \$830

PC-40/50 MkII Subwoofer/Satellite System

2 PC40 satellites and PC50 subwoofer. Power handling 100 W rms; FR 30-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover points 150 and 1,500 Hz \$730

PC Series

PC-10.5 3-Way Speaker

10-in solid-piston woofer, Kevlar-laminated 5 1/4-in solid-piston midrange, and 1-in soft-dome tweeter. Power handling 120 W; FR 25-20,000 Hz \pm 2 dB; sens 89 dB; imp 8 ohms. Piano black finish. 13 x 44 x 13 1/2 in; 110 lb \$2,400/pr

PC-8.5 3-Way Speaker

10-in solid-piston woofer, 5 1/4-in solid-piston midrange, and 1-in soft-dome tweeter. Power handling 120 W; FR 35-20,000 Hz \pm 2 dB; sens 89 dB; imp 4 ohms. Dark oak, walnut, or black finish. 13 x 39 1/2 x 11 1/4 in; 90 lb \$1,200/pr

PC-6.5. As above, 8-in woofer. Power handling 100 W; FR 42-20,000 Hz \pm 2 dB. 11 x 36 3/8 x 9 in; 58 lb \$900/pr

PC-80 2-Way Speaker

6 1/2-in solid-piston woofer and 1-in soft-dome tweeter. Power handling 100 W; FR 50-20,000 Hz \pm 3 dB; sens 88 dB; imp 6 ohms. Dark-oak, light-oak, walnut, or black finish. 9 1/2 x 15 1/2 x 11 1/4 in; 32 lb \$650/pr

PC-90 Subwoofer

Acoustic-suspension design with 10-in cone dual-voice-coil driver. Power handling 150 W; FR 27-90 Hz \pm 3 dB; sens 88 dB; imp 6 ohms \$550

PC-60 II 2-Way Bookshelf Speaker

Acoustic-suspension phase-coherent design with 6-in solid-piston woofer and 1-in soft-dome tweeter. Power handling 100 W; FR 55-20,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 4 ohms. Walnut, stained-oak, or light-oak finish. 8 x 13 1/2 x 8 in; 15 lb \$480/pr

PC-40 MkII 2-Way Bookshelf Speaker

Acoustic-suspension phase-coherent design with 5 1/4-in solid-piston woofer and 1-in soft-dome tweeter. Power handling 80 W; FR 70-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 4 ohms. Walnut, stained-oak, or light-oak finish. 6 1/2 x 9 3/4 x 5 1/4 in \$380/pr

PC-50 MkII Subwoofer

Acoustic-suspension design with downward-firing 10-in solid-piston driver. Features polypropylene capacitors; passive crossover. Power handling 200 W; FR 30-150 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. Walnut, light-oak, or stained-oak finish. 13 x 14 x 15 in; 33 lb \$350

ES Series

Model 950-ES 3-Way Speaker

Low-diffraction design with 8-in polypropylene woofer, 1 1/2-in soft-dome midrange, and 1-in soft-dome

ferrofluid-cooled tweeter. Power handling 120 W; FR 35-20,000 Hz \pm 3 dB; sens 90 dB; imp 8 ohms. Black cloth covered tower with black laminate top and base. 10 x 38 1/2 x 14 1/2 in; 68 lb \$750/pr

Model 750-ES 2-Way Speaker

Low-diffraction design with 8-in polypropylene woofer and 1-in soft-dome ferrofluid-cooled tweeter. Power handling 100 W; frequency response 40-20,000 Hz \pm 3 dB; sens 90 dB; impedance 8 ohms. Black cloth covered tower with black laminate top and base. 9 3/4 x 36 1/2 x 12 in; 52 lb \$550/pr

Model 435-ES 2-Way Bookshelf Speaker

8-in woofer and 1-in ferrofluid-cooled soft-dome tweeter. Features asymmetrically mounted tweeter. Power handling 80 W; FR 45-20,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Black-ash or dark-oak vinyl. 12 x 22 1/2 x 10 1/8 in \$300/pr

Model 335-ES 2-Way Bookshelf Speaker

Rear-vented enclosure with 6 1/2-in cone woofer and 1-in soft-dome tweeter. Power handling 60 W; FR 65-20,000 Hz \pm 3 dB; sens 90 dB. 8 1/4 x 13 1/4 x 8 1/2 in; 25 lb \$240/pr

CI Series

CI 80 2-Way In-Wall Speaker

Two 6-in solid-piston woofers and 1-in soft-dome tweeter. Features auto-resetting thermal circuit breakers; 5-way binding posts; screened woofer baskets. Power handling 100 W; FR 38-20,000 Hz; imp 8 ohms. 5-yr warranty \$740/pr

CI-60 IV 2-Way In-Wall Speaker

6-in solid-piston woofer and 1-in soft-dome tweeter. Features auto-resetting thermal circuit breakers; 5-way binding posts; screened woofer baskets. Power handling 80 W; FR 40-20,000 Hz; imp 4 ohms. 5-yr warranty \$500/pr

CI-40 IV 2-Way In-Wall Speaker

5 1/4-in solid-piston woofer and 1-in soft-dome tweeter. Features auto-resetting thermal circuit breakers; 5-way binding posts; screened woofer basket. Power handling 80 W; FR 55-20,000 Hz; imp 4 ohms. 5-yr warranty \$400/pr

CI-20 IV 2-Way In-Wall Speaker

6-in cone woofer and 2 1/4-in cone tweeter. Features auto-resetting thermal circuit breakers; 5-way binding posts; screened woofer basket. Power handling 60 W; FR 55-18,000 Hz; imp 8 ohms. 5-yr warranty \$300/pr

CI-SUB II In-Wall Subwoofer

6 x 9-in damped fel-cone driver. Power handling 100 W; FR 20-90 Hz; imp 4 ohms \$275

CI-10 IV 2-Way In-Wall Speaker

One 5-in cone woofer and two 1/4-in cone tweeters. Features auto-resetting thermal circuit breakers; 5-way binding-post outputs; screened woofer basket. Power handling 50 W; frequency response 55-18,000 Hz; impedance 8 ohms \$200/pr

PHILIPS

DSS-930 Powered DSP Speaker System

Acoustic-suspension design with two 5 1/4-in woofers, rectangular polyimide-membrane tweeter, integral digital signal processor/crossover, and 2 power amps. Digital signal processing compensates for FR, phase, and crossover errors. Features four 1-bit D/A converters (2 per woofer/tweeter channels); soft-clipping tweeter-protection circuitry; digital input; 80-W woofer amp; 20-W tweeter amp. Crossover point 4,000 Hz with 36-dB/octave slope; frequency response 40-20,000 Hz \pm 3 dB; signal-to-noise ratio 100 dB. 8 3/4 x 23 x 13 in; 35 lb \$1,200
DSC-950. Digital source selector for above. Features 7 analog digital inputs; multiroom capability for up to 12 DSS-930 speakers via digital bus \$520

PHYZICS

Illusion FS 3-Way Speaker

6-in polypropylene woofer, 6-in polypropylene mid-bass driver, and chambered aluminum-dome tweeter. Features cylindrical polymer cabinet with acoustic servo bass loading; first-incident reflection control; hard-wired crossover with air-core inductors and metallized polypropylene capacitors. Power handling 150 W cont avg; FR 50-20,000 Hz. Black-lacquer or dark-oak finish. 35 x 14 in diam; 46 lb. \$2,000/pr
Illusion M. As above, two 4-in polypropylene mid-bass drivers. 38 x 7 in diameter (including stand); 32 lb. \$1,100/pr
Illusion WM. As Illusion M, without stand. Designed for wall mounting. 22 x 8 in wide (including wall-mount flange); 20 lb. \$1,100/pr

PINNACLE

The following feature proprietary dual-ported enclosures and a 7-year parts-and-labor warranty.

PN 8+ 2-Way Bookshelf Speaker

8-in black polypropylene woofer and 1-in polymer dome tweeter. Power handling 125 W cont avg; FR 30-21,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 1,000 and 6,000 Hz. Black-oak veneer with contrasting solid-oak trim. 11½ x 19½ x 11¾ in; 18 lb. \$440/pr

PN 70 3-Way Speaker

Vented design with 6½-in cellulose-fiber cone woofer with rubber surrounds, 4-in midrange with treated cone, rubber surround, and tuned isolation chamber, and 1-in metal dome tweeter with ferrofluid cooling and parabolic dish faceplate. Power handling 300 W max; FR 38-21,000 Hz; crossover points 1,400 and 7,000 Hz; imp 8 ohms; sens 93 dB. 19 x 10½ x 9¾ in; 18 lb. \$390/pr

PN 60 2-Way Speaker

Vented design with 6½-in cellulose-fiber cone woofer with rubber surrounds and 1-in metal-dome tweeter with ferrofluid cooling and parabolic dish faceplate. Power handling 250 W max; FR 40-21,000 Hz; crossover point 2,500 Hz; imp 8 ohms; sens 91 dB. 17½ x 10½ x 9¾ in; 17 lb. \$290/pr

PN Sub+ Subwoofer

Two 6½-in downward-firing drivers. Features rigidly braced, partitioned enclosure with non-parallel internal walls; switchable 1st-order crossover. Power handling 100 W cont avg; imp 4/8 ohms. 13¾ x 19½ x 11½ in. \$250

PN 6+ 2-Way Bookshelf Speaker

6½-in polypropylene woofer and ¾-in dome tweeter. Power handling 70 W cont avg; FR 40-21,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 4,500 Hz. Oak-accent finish. 9¼ x 15½ x 6¾ in; 13 lb. \$225/pr

PN 5+ 2-Way Bookshelf Speaker

5¼-in polypropylene woofer and ¾-in polycarbonate tweeter. Power handling 50 W cont avg; frequency response 50-21,000 Hz; sens 86 dB SPL/W/m; impedance 6 ohms; crossover point 5,000 Hz. 6¾ x 11¼ x 6¾ in; 9 lb. \$195/pr

PN 2+ 2-Way Mini Speaker

4-in cone woofer and ¾-in polycarbonate tweeter. Power handling 40 W cont avg; FR 65-21,000 Hz; sens 86 dB SPL/W/m; imp 6 ohms; crossover point 5,500 Hz. Black-oak vinyl finish. 6¼ x 10¾ x 6½ in; 7 lb. \$160/pr

PN 50 2-Way Bookshelf Speaker

Vented design with 5¼-in mineral-filled polycone woofer, 1-in metal dome tweeter with ferrofluid cooling and parabolic dish faceplate. Magnetic shielding for center-channel surround applications. Power handling 200 W max; FR 45-21,000 Hz; crossover point 2,500 Hz; imp 8 ohms; sens 87 dB SPL/W/m. 14¾ x 7¼ x 6¼ in; 9 lb. \$125

PIONEER

S-W1000 Powered Subwoofer

12-in cone driver in magnetically-shielded cabinet and 2-channel power amp. Amp features switchable center-channel/sub mode; bridged BTL amp design; selectable crossover point; independent subwoofer/center-channel level controls. 70 W x 1 into 6 ohms from 20-140 Hz with 5% THD (sub only) or 30 x 1 (sub) + 25 x 1 into 6 ohms from 20-20,000 Hz with 1% THD (center channel). Black finish. 19¾ x 21 x 17¼ in; 46 lb. \$525

S-F100 2-Way In-Wall Speaker

6½-in woofer and 1-in titanium-dome tweeter. Power handling 60 W max; FR 200-20,000 Hz; sens 87 dB; imp 6.5 ohms. 8½ x 15¾ x 3½ in; 4 lb. \$350/pr

CS-V935 4-Way Speaker

Shielded bass-reflex design with 12-in woofer, 8-in midbass, 4¾-in midrange, and 2½-in tweeter. Midrange and tweeter protection. Power handling 150 W max; FR 30-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 15 x 48¾ x 12¾ in; 54 lb. \$330

CS-M755K 3-Way Speaker

12-in woofer, 8-in midbass, 2½-in cone midrange, and ¾-in dome tweeter. Power handling 150 W max; FR 30-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Black finish. 15 x 43¾ x 12¾ in; 41.9 lb. \$220
CS-M755Q. Oak finish. \$220

S-SR55K 2-Way Speaker

Bass-reflex design with 4-in cone midrange and 2-in cone tweeter. For surround applications. Power handling 130 W max; FR 150-20,000 Hz; sens 87 dB SPL/W/m; crossover point 3,000 Hz; imp 8 ohms. Black or white paintable finish. 6¾ x 10¾ x 4¾ in. \$220/pr

CS-G403 3-Way Bookshelf Speaker

Bass-reflex design with 15¾-in woofer, 4¾-in cone midrange, and 2½-in cone tweeter. Power handling 150 W max; FR 30-20,000 Hz; sens 92 dB SPL/W/m; imp 6 ohms; crossover points 2,500 and 7,000 Hz. Oak-grain vinyl finish. 17¾ x 29½ x 12¾ in; 36 lb. \$190

CS-G303. As above, 12-in woofer. Power handling 120 W max; FR 35-20,000 Hz; sens 91 dB SPL/W/m; imp 6 ohms; crossover points 3,500 and 7,000 Hz. 15 x 26½ x 13 in; 30 lb. \$300/pr

CS-G203. As CS-G303, 10-in woofer, 3-in midrange, and 2½-in tweeter. Power handling 100 W max; FR 40-20,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 3,000 and 6,000 Hz. 13¾ x 24 x 11½ in; 21 lb. \$220/pr

CS-M555K 3-Way Speaker

12-in cone woofer, 4¾-in cone midrange, and 2½-in cone tweeter. Power handling 150 W max; FR 32-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black finish. 15 x 35½ x 10¾ in; 30 lb. \$170
CS-M555Q. Oak finish. \$170

CS-G103 2-Way Bookshelf Speaker

Infinite-baffle design with 10-in woofer and 2½-in tweeter. Power handling 50 W max; FR 55-20,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms; crossover point 5,000 Hz. Oak-grain vinyl finish. 13 x 22½ x 7¾ in; 14 lb. \$160/pr

S-X7 Full-Range Speaker

Bass-reflex design with 3½-in full-range cone driver. Designed for surround applications. Features sens selector switch. Power handling 30 W max; FR 100-20,000 Hz; sens 90 dB SPL/W/m; imp 16 ohms. Black-vinyl finish. Wall/ceiling mountable. 5¾ x 7½ x 4½ in; 3 lb. \$140/pr

CS-C300 2-Way Center-Channel Speaker

Bass-reflex design with 7-in cone woofer and 2½-in cone tweeter. Designed for home-theater applications. Magnetic shielding. Power handling 70 W max; FR 50-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Black finish with black-melamine finish on top board. 8¾ x 13¾ x 7¾ in; 8 lb. \$70

CS-C250 2-Way Center-Channel Speaker

Bass-reflex design with 6-in cone woofer and 2½-in cone tweeter. Designed for home-theater applications. Magnetic shielding. Power handling 65 W max; FR 50-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Oak or black finish. 6¾ x 11¾ x 6½ in; 5 lb. \$65

CS-X500 Full-Range Speaker

Infinite-baffle design with 4-in full-range cone driver. Designed for surround applications. Power handling 30 W max; FR 100-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Oak or black finish. Wall/ceiling mount. 5½ x 7½ x 5 in; 3 lb. \$65/pr

Subwoofer/Satellite Systems

Each satellite is magnetically shielded, features a 4-in midrange and a 2½-in tweeter, and measures 6¾ x 10¾ x 4¾ in. Each surround speaker features a 4-in midrange and a 2-in tweeter and measures 6¾ x 10¾ x 4¾ in. Each subwoofer features two 4¾-in drivers, a black finish, and measures 7½ x 21½ x 16½ in. Satellite and surround speakers are available in black or white finish. Common specs for all systems except S-SR55, include power handling 130 W max; FR 40-20,000 Hz; sens 87 dB SPL/W/m; crossover points 150 and 1,300 Hz; imp 8 ohms.

S-V401. 3 satellites, 2 surround speakers, and 1 subwoofer. Power handling 130 W max. Black or white finish. \$880

S-V301. 2 satellites, 2 surround speakers, and 1 subwoofer. Black or white finish. \$770

S-4D. 3 satellites and one subwoofer. \$660

S-3D. 2 satellites and one subwoofer. \$550

S-SR55. 2 surround speakers. Power handling 130 W max; FR 150-15,000 Hz; sens 87 dB SPL/W/m; crossover point 3,000 Hz. \$220

Elite Series

The following feature 2 woofers mounted back-to-back and joined by a bar.

TZ-9LTD 3-Way Speaker

Bass-reflex design with two 10-in woofers, 2½-in dome midrange, and 1-in dome tweeter. Features ceramic-graphite tweeter and midrange diaphragms; midrange and tweeter mounted on separate boards; internally braced enclosure. Biamp/blwire terminals; gold-plated binding posts. Power handling 300 W max; FR 20-40,000 Hz; sens 91 dB SPL/W/m; imp 4 ohms; crossover points 600 and 4,000 Hz. Piano black finish. 14¾ x 47¼ x 16¾ in; 143 lb. \$1,400

TZ-7LTD 3-Way Speaker

Bass-reflex design with two 8-in woofers, 4-in cone midrange, and 1-in dome tweeter. Features ceramic-carbon tweeter diaphragm; internally braced enclosure. Biamp/blwire terminals; gold-plated binding posts. Power handling 250 W max; FR 20-40,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover points 800 and 4,000 Hz. Piano black finish. \$700

POLK

SRS 1.2TL Signature Reference 3-Way Speaker

Eight 6½-in trilaminar-polymer woofers, four 1-1/2-in trilaminar-polymer-dome tweeters, and 15-in planar sub-bass radiator. Incorporates proprietary Stereo Dimension Array technology for improved imaging. Power handling 1,000 W cont avg; FR 27-25,000 Hz -3 dB; imp 8 ohms. Oiled-oak or walnut finish. 21 x 63½ x 13½ in; 185 lb. \$3,400/pr

SRS 2.3TL Signature Reference 3-Way Speaker

Six 6½-in trilaminar-polymer woofers, three 1-in trilaminar-polymer-dome tweeters, and 15-in planar sub-bass radiator. Incorporates proprietary Stereo Dimension Array technology for improved imaging. Power handling 750 W cont avg; FR 30-25,000 Hz -3 dB; imp 8 ohms. Oiled-oak or walnut finish. 20¾ x 55 x 13½ in; 155 lb. \$2,500/pr

SRS 3.1TL Signature Reference 3-Way Speaker

Five 6½-in trilaminar-polymer woofers, 1-in trilaminar-polymer/metal dome tweeter, and 12-in pla-

nar sub-bass radiator. Proprietary Stereo Dimensional Array technology for improved imaging. Power handling 500 W; FR 32-25,000 Hz -3 dB; imp 8 ohms. Oiled-oak or walnut finish. 15 1/4 x 48 x 13 3/8 in. \$2,000/pr

LS90 2-Way Speaker

Ported design with four 6 1/2-in woofers and 1-in dome tweeter. FR 20-26,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Rosewood-laminate or oak finish. 13 x 40 x 15 in; 70 lb. \$1,499/pr
LS70. As above, two 7 1/2-in midranges. FR 25-26,000 Hz. 12 x 37 x 15 in; 59 lb. \$999/pr
LS50. As LS90, two 6 1/2-in midranges. FR 30-26,000 Hz; sens 89 dB SPL/W/m. \$699/pr

RM3000 Subwoofer/Satellite System

Subwoofer with two 6 1/2-in drivers and 10-in passive radiator, and two satellites, each with 3 1/2-in midrange and 3/4-in dome tweeter. Power handling 125 W; FR 42-18,000 Hz +0, -3 dB; imp 8 ohms. Black-matrix, plano-black, or white finish. Satellites: 7 x 4 3/8 x 5 1/2 in. Subwoofer: 12 1/2 x 20 1/4 x 13 in. 46 lb total. \$750

S10 3-Way Speaker

10-in woofer, 7 1/2-in midrange, 1-in dome tweeter, and passive radiator. FR 25-25,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Black or oak finish; black-knit grille. 13 x 29 x 10 in; 33 lb. \$599/pr
S8. As above, 7 1/2-in woofer. FR 28-25,000 Hz; sens 90 dB SPL/W/m. 12 x 25 x 9 in; 28 lb. \$499/pr
S6. As S10, 6 1/2-in woofer, 6 1/2-in midrange. FR 30-25,000 Hz; sens 91 dB SPL/W/m. 10 x 22 x 8 in; 17.5 lb. \$399/pr

Monitor 6 Subwoofer/Satellite System

Subwoofer with two 6 1/2-in trilaminar drivers, and 2 satellites, each with 4-in bilaminar polymer midrange and 7/8-in dome tweeter. Power handling 100 W; FR 55-20,000 Hz +0, -3 dB; sensitivity 89 dB SPL/W/m; impedance 8 ohms. Black finish, black knit grille. Satellite: 5 1/4 x 8 1/2 x 5 3/8 in. Subwoofer: 7 1/4 x 13 1/4 x 10 in. 35 lb. \$500

RM2000 2-Way Bookshelf Speaker

3 1/2-in woofer and 3/4-in dome tweeter. FR 150-20,000 Hz; sens 88 dB SPL/W/m. Black grille. 7 x 4 3/8 x 5 1/2 in. \$420/pr

RM1000W Subwoofer

Two 6 1/2- and 8-in woofers. FR 25-300 Hz; sensitivity 89 dB SPL/W/m. Black finish. 12 1/2 x 20 1/4 x 13 in; 38 lb. \$350

S4 2-Way Speaker

6 1/2-in midrange, 1-in dome tweeter, and passive radiator. FR 30-25,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Black or oak finish; black knit grille. Dimensions: 10 x 16 x 7 in; 13.5 lb. \$259/pr

Monitor 4 2-Way Bookshelf Speaker

6 1/2-in trilaminar-polymer midbass, 1-in polymer-dome tweeter. Power handling 100 W; sens 91 dB; imp 8 ohms; FR 53-20,000 Hz -3 dB. Black, oak, or walnut-vinyl finish. \$200/pr

M3 2-Way Bookshelf Speaker

5 1/4-in polymer laminate woofer and 1/2-in polycarbonate tweeter. FR 67-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Black finish; black knit grille. 11 1/4 x 6 1/2 x 8 1/2 in; 14 lb. \$170/pr

CS100 2-Way Center-Channel Speaker

Two 4-in woofers and 7/8-in dome tweeter. Power handling 100 W; FR 60-20,000 +0, -3 dB; sens 89 dB SPL/W/m; imp 8 ohms. Black finish; black knit grille. 18 x 6 x 6 1/2 in; 7 lb. \$170

Architectural Reference AB Series

AB-900 In-Wall Subwoofer/Satellite System

Subwoofer with two 6 1/2-in drivers, and two satellites, each with 2 1/2-in driver and 3/4-in tweeter. Power

handling 150 W; sens 88 dB; imp 8 ohms; FR 40-20,000 Hz -3 dB. Satellites: 6 1/2 x 4 x 3 3/4 in. Subwoofer: 14 1/2 x 21 1/4 x 3 7/8 in. 45 lb. \$800

AB-800 2-Way In-Wall Speaker

Two 6 1/2-in trilaminar-polymer woofers and 1-in silver-coil polymer-dome tweeter. Power handling 150 W cont; frequency response 43-20,000 Hz +0, -3 dB; sensitivity 91 dB; impedance 6 ohms. Off-white finish. 6 1/4 x 15 1/2 x 3 in; 21 lb. \$550/pr

AB-820 In-Wall Subwoofer

Two 6 1/2-in drivers. Power handling 150 W; FR 35-15,000 Hz +0, -3 dB; sens 91 dB SPL/W/m. Paintable white finish. 15 lb. \$400/pr

AB-700 2-Way In-Wall Speaker

6 1/2-in trilaminar-polymer woofer and 1-in silver-coil polymer-dome tweeter. Power handling 125 W cont; FR 55-20,000 Hz +0, -3 dB; imp 6 ohms. Off-white finish. 6 1/4 x 9 3/4 x 3 in; 13 lb. \$400/pr

AB-600 2-Way In-Wall Speaker

6 1/2-in woofer and 3/4-in dome tweeter. Power handling 100 W; FR 65-18,000 Hz -3 dB; sens 90 dB SPL/W/m. Paintable white finish. 8.5 lb. \$300/pr

AB-610 2-Way In-Wall Speaker

Round frame with 6 1/2-in woofer and 3/4-in dome tweeter. FR 45-20,000 Hz; sens 90 dB SPL/W/m. Paintable white finish. 7 1/4-in diameter. \$250/pr

AB-500 2-Way In-Wall Speaker

5 1/4-in trilaminar-polymer midbass driver and 3/4-in polymer-dome tweeter. Power handling 100 W; FR 56-20,000 Hz; sens 89 dB SPL/W/m. Paintable white finish. 6 1/2 x 9 3/4 x 3 in; 6 lb. \$250/pr

AB-410 In-Wall Speaker

Round frame with 5 1/4-in woofer. FR 60-17,500 Hz; sens 97 dB SPL/W/m. 7 1/4-in diameter. \$150

POSH

Model 928cd 2-Way In-Ceiling Speaker

8-in graphite-polypropylene woofer and 1 1/4-in tweeter in acoustic chamber. Features rectangular grille. Power handling 150 W; frequency response 35-22,000 Hz; sensitivity 92 dB SPL/W/m; impedance 8 ohms; average dispersion angle 120°. 8 1/4 x 5 in; 8-in mounting depth. 7.8 lb. \$1,195/pr

Model 528d 2-Way In-Ceiling Speaker

8-in felted paper cone woofer with 1-in voice coil and 3/4-in ferrofluid-cooled horn-loaded tweeter in acoustic chamber. Injection-molded styrene cabinet; internal perpendicular baffling; 11-in round or square grille. Power handling 50 W; FR 47-22,000 Hz +3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Acoustic chamber: 13 1/2 x 7 x 18 in; 5 lb. Baffleboard: 18 x 1 1/4 x 18 in; 2.5 lb. \$400/pr

Model 228i 2-Way In-Ceiling Speaker

8-in polypropylene cone woofer with 1-in voice coil and 3/4-in polymer-dome, ferrofluid-cooled tweeter. Features 11-in grille. Power handling 50 W; FR 60-18,000 Hz ±3 dB; sens 87 dB; imp 8 ohms; crossover point 5,000 Hz. Baffleboard: 18 x 1 x 10 in; 2.5 lb. \$249/pr

Posh 835 Subwoofers

The following feature an injection-molded fiberglass-reinforced enclosure, internal bracing, and a low/high-pass crossover.

Model 835-4SX Subwoofer

8-in driver with dual voice coil. Power handling 150 W; frequency response 35-100 Hz ±3 dB; sensitivity 92 dB SPL/W/m. 20 lb. \$520
835-4S. As above, without crossover. \$410

Model 835-8MX Subwoofer

8-in driver. Power handling 150 W; FR 35-100 Hz ±3 dB; sens 89 dB. 20 lb. \$490
835-8M. As above, without crossover. \$400

Definitive Technology

Authorized Dealers

AK-Pyramid: Anchorage.

AL-Litke Audio: Birmingham.

AR-Leisure Electronics: Little Rock.

AZ-Jerry's Audio Video: Phoenix, Tucson.

CA-Audio Concepts: Long Beach, San Gabriel. **Creative Stereo:** Sta Barbara, Thousand Oaks, Ventura. **Pacific Coast AV:** Corona del Mar. **Paradyme:** Sacramento.

Performance Audio: San Francisco. **Shelley's Stereo:** Sta Monica. **Sound Co.** Escondido, San Diego. **Sound Goods:** Campbell, Mt. View. **Systems Design:** Beverly Hills, Redondo Beach. **Wilson AV:** Woodland Hills.

CO-Listen Up: Denver, Boulder, Colorado Springs.

CT-Al Franklin's: Hartford. **Carston's:** Danbury. **Robert's Music:** New London. **Sound Playground:** Newington, Orange, Norwich.

DC-Suburba: Audio Associates.

DE-Sound Studio: Dover, Newark, Wilmington.

FL-Absolute Sound: Winter Park. **Audio Ctr.:** Ft. Lauderdale. **Audio Video:** Tallahassee. **Sound Ideas:** Gainesville. **Sound Insight:** Ft. Pierce. **Stereotypes:** Daytona. **Stereo World:** Ft. Myers, Naples. **Stuart AV:** Stuart.

GA-Stereo Video Systems: Marietta.

HI-Maui Audio Center: Kahului.

IA-Audio Logic: Des Moines. **Hawkeye Audio:** Iowa City.

ID-Stereo Shoppe: Boise, Moscow.

IL-Absolute Audio Video: Rockford. **August Systems:** Champaign. **Mills Recording:** Chicago. **Simply Stereo:** Hoffman Estates, Orland Pk. **Stereo Studio:** Palatine, Will Park. **Select Sound:** Naperville. **Sterling Elect.:** Sterling. **The Shoppe:** Kankakee.

IN-Ovation Audio: Clarksville, Indianapolis.

KS-Electronic Dreams: Wichita.

KY-Ovation Audio: Lexington, Louisville.

LA-Altman Audio: New Orleans, Metairie.

MA-O'Coins: Worcester (Boston: see Nashua, N.H.).

MD-Audio Assoc.: Annapolis, Laurel, Rockville. **Cumberland Elec.:** Cumberland. **Gramophone:** Balt., Ellicott City.

ME-Cookin': Portland.

MI-Listening Room: Midland, Saginaw. **Overture Audio:** Ann Arbor. **Pecar's:** Detroit, Troy.

MN-Audio Perfection: Minneapolis.

MO-Primus Audio: K. C. **Sound Central:** St. Louis.

NC-Audio Video Systems: Charlotte. **Stereo Sound:** Durham, Greensboro, Winston Salem. **The Audio Lab:** Wilmington.

ND-Pacific Sound: Bismarck.

NE-Custom Electronics: Omaha, Lincoln.

NH-Cookin': Nashua, Manchester, Newington, Salem, S. Nashua.

NJ-Sound Waves: Northfield. **Sassafras:** Cherry Hill. **Woodbridge Stereo:** W. Caldwell, W. Longbranch, Woodbridge.

NM-West Coast Sound: Albuquerque, Las Cruces, Sta. Fe.

NY-Upper Ear: Las Vegas.

NY-Audio Breakthroughs: Manhasset. **Audio Den:** Lake Grove. **Clark Music:** Syracuse. **Electronic Workshop:** Manhattan. **Hart Electronics:** Vestal. **Innovative Audio:** Brooklyn. **Listening Room:** Scarsdale. **Rowe Camera:** Rochester. **Sound Mill:** Mt. Kisco, Yorktown Hts. **Speaker Shop:** Amherst, Buffalo.

OH-Audio Craft: Akron, Cleveland, Mayfield Hts., Westlake, Toledo. **Audio Etc.:** Dayton.

OR-Bradford's HiFi: Eugene. **Chelsea Audio Video:** Portland, Beaverton. **Focus:** Salem.

PA-GNT Stereo: Lancaster. **Hart Electronics:** Blakely, Kingston. **Listening Post:** Pittsburgh & suburbs.

Sassafras: Philadelphia suburbs, Allentown.

Stereoland: Natrona Heights. **Studio One:** Erie.

RI-Eastern Audio: No. Providence.

SC-Dashboard Stereo: Charleston. **Stereo Video:** Greenville. **Upstairs Audio:** Columbia.

TN-Hi Fi Buys: Nashville. **Lindsey Ward:** Knoxville. **Modern Music:** Memphis.

TX-Audio Tech: Temple, Waco. **Audio Video:** College Station. **Bunkley's Sd. Systems:** Abilene. **Bjorn's:** San Antonio. **Harold's Electronics:** Odessa, Midland. **Krystal Clear Audio:** Dallas.

UT-AudioWorks: Salt Lake City. **Stokes Bros.:** Logan.

VA-Audio Associates: Arlington, Fairfax, Manassas. **Audioelectronics:** Roanoke. **Digital Sound:** Virginia Beach. **Ear Food:** Winchester. **Stereotypes:** Charlottesville.

VT-City Stereo: Burlington.

WA-Evergreen Audio: Silverdale. **Tin Ear:** Kennewick.

WVA-Sound Post: Princeton.

WI-Absolute Sound & Vision: Sheboygan. **Audio Emporium:** Milwaukee.

Canada-Advance Electronics: Winnipeg. **Audio Ark:** Edmonton. **Audio Ctr.:** Montreal, Ottawa. **Bay Bloor:** Toronto. **CORA:** Quebec City. **Music:** Stratford. **Sight & Sound:** Prince Georges B.C. **Sound Advice:** Calgary.

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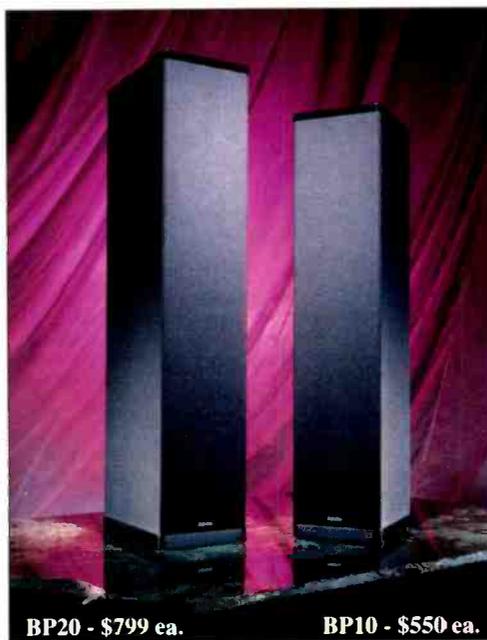
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S P E A K E R S

PROAC

The following are available in teak, walnut, and black-ash finishes.

Response Three 2-Way Speaker

Two 6½-in polypropylene woofers and 1-in dome tweeter. Power handling 250 W max; FR 20-25,000 Hz; imp 8 ohms; sens 88 dB SPL/W/m. 11 x 47 x 12 in. \$6,500/pr

Response Two. As above, ¾-in dome tweeter. Power handling 100 W max; FR 30-30,000 Hz; sens 86 dB SPL/W/m. 9 x 18 x 11 in. \$3,000/pr

Response One S. As above, 5-in carbon polypropylene woofer and ¾-in dome tweeter. FR 45-30,000 Hz; sens 85 dB SPL/W/m. Teak, walnut, or black-ash finish. 7 x 12 x 9¼ in. \$1,750/pr

Supertower MkII 2-Way Speaker

Two 7-in magnesium-frame woofers and 1-in dome tweeter. Power handling 250 W max; FR 30-22,000 Hz; nom imp 8 ohms; sens 90 dB SPL/W/m. 8 x 42 x 10 in; 58 lb. \$2,700/pr

Minitower MkII 2-Way Speaker

Ported design with two 4½-in woofers and ¾-in dome tweeter. Power handling 100 W max; frequency response 40-30,000 Hz; nom imp 8 ohms; sensitivity 88 dB SPL/W/m. Walnut or black-ash finish. 7 x 36 x 9 in; 32 lb. \$1,800/pr

Studio One MkII 2-Way Speaker

6½-in woofer and 1-in dome tweeter. Power handling 150 W max; FR 40-30,000 Hz; imp 8 ohms; sens 88 dB SPL/W/m. 8 x 16 x 10 in; 25 lb. \$1,300/pr

Tablette MkII 2-Way Bookshelf Speaker

4½-in woofer and ¾-in dome tweeter. Power handling 100 W max; frequency response 45-20,000 Hz; impedance 8 ohms; sensitivity 87 dB SPL/W/m. 6 x 10½ x 9¼ in; 11 lb. \$825/pr

PROFESSIONAL TECHNOLOGIES

The following feature an oak veneer finish.

PT-8341 3-Way Speaker

Ported design with 8-in cone woofer, 4-in cone midrange, and 1-in dome tweeter. Power handling 200 W; FR 37-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. 13½ x 27¼ x 12 in. \$899/pr

PT-821 2-Way Speaker

Ported design with 8-in cone woofer and 1¼-in dome tweeter. Power handling 500 W; FR 31-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. 10½ x 35¾ x 13¼ in. \$849/pr

PT-652D 2-Way Speaker

Ported design with two 6½-in drivers arranged in D'Appolito configuration and 1¼-in tweeter. Power handling 500 W; FR 40-20,000 Hz; sens 93 dB SPL/W/m; imp 4 ohms; crossover point 2,500 Hz with 18-dB/oct slope. 9 x 24 x 13½ in. \$680/pr

PT-6521 2-Way Speaker

Ported design with 6½-in cone woofer and 1-in dome tweeter. Power handling 120 W; FR 45-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. 13½ x 17¼ x 12 in. \$579/pr

PSB

Stratus Gold 3-Way Speaker

10-in woofer, 6-in midrange, 1-in aluminum-dome tweeter. Power handling 250 W max; crossover points 250 and 2,200 Hz; FR 36-20,000 Hz ± 1 dB; sens 88 dB; imp 4 ohms. Black, light, or dark oak finish. \$2,000/pr

New Stratus 2-Way Speaker

8-in woofer and 1-in aluminum-dome tweeter. Power handling 200 W max; crossover point 1,800 Hz; FR 40-20,000 Hz ± 1.5 dB; sens 88 dB; imp 6 ohms. Black, light, or dark oak finish. \$1,500/pr

Stratus Mini 2-Way Speaker

6½-in woofer and ¾-in aluminum-alloy dome tweeter. Includes stands. Power handling 125 W max; FR 55-20,000 Hz ± 1.5 dB; sens 86 dB; imp 4 ohms; crossover point 2,200 Hz. Light- or dark-oak finish. \$1,000/pr

PSB-800 2-Way Speaker

Two 8-in carbon-filled polypropylene woofers with PVC nitrile surround and 1-in ferrofluid-cooled cloth-dome tweeter. Features bracing; bipolar capacitors; frameless grille. Includes steel floor spikes. Frequency response 48-20,000 Hz ± 1.5 dB; sens 92 dB; impedance 8 ohms; crossover point 2,000 Hz; power handling 200 W. Black or medium oak finish. 10 x 35¼ x 13½ in; 45 lb. \$799/pr

PSB-500 2-Way Speaker

8-in carbon-filled polypropylene woofer with PVC nitrile surround and ¾-in ferrofluid-cooled cloth-dome tweeter. Features bipolar capacitors. FR 50-20,000 Hz ± 1.5 dB; sens 92 dB; imp 6 ohms; crossover point 2,200 Hz; power handling 150 W. Black or medium oak finish. 10 x 23 x 12 in; 29 lb. \$499/pr

PSB-400 2-Way Bookshelf Speaker

6½-in carbon-filled polypropylene woofer with rubber-PVC surround and ¾-in ferrofluid-cooled cloth-dome tweeter. Features cabinet bracing; bipolar capacitors. FR 60-20,000 Hz ± 1.5 dB; sens 89 dB; imp 6 ohms; crossover point 2,500 Hz; power handling 125 W. Black or medium oak finish. 8½ x 16 x 11¾ in; 18 lb. \$399/pr

HW-1 2-Way In-Wall Speaker

6½-in polypropylene woofer and ¾-in textile-dome tweeter. Power handling 75 W max; crossover point 2,400 Hz; FR 56-20,000 Hz ± 2 dB; sens 89 dB; imp 8 ohms. Off-white finish. \$350/pr

PSB-300 2-Way Bookshelf Speaker

6-in polypropylene woofer with treated-foam surround and ¾-in ferrofluid-cooled polyimide-dome tweeter. Features removable grilles; bipolar capacitors. FR 75-20,000 Hz ± 2 dB; sens 91 dB; imp 6 ohms; crossover point 3,000 Hz; power handling 80 W. Black or medium oak finish. 8½ x 14¼ x 9½ in; 13 lb. \$299/pr

Alpha 2-Way Bookshelf Speaker

6½-in woofer and ½-in ferrofluid-cooled poly-dome tweeter. FR 90-20,000 Hz ± 2 dB; sens 90 dB; imp 6 ohms; crossover point 3,000 Hz; power handling 80 W. Simulated black oak finish; optional stand. 8¾ x 12¾ x 9½ in; 9.5 lb. \$199/pr

QUAD

ESL-63 US Monitor Electrostatic Speaker

Full-range dipole design. Features 2 protection circuits. Power handling 150 W; sens 86 dB SPL/W/m; imp 8 ohms; axis band limits -6 dB at 35 Hz, third-order, -6 dB at 20,000 Hz. Black finish. 28 x 36 x 11 in; 46.5 lb. \$4,995/pr

SW-63 Subwoofer

Dipole design with two 12-in drivers. Features bass-level control; mono/stereo switch. Black finish. 18 x 28 x 11 in; 41 lb. \$3,000

Gradient 1.3 3-Way Speaker

Bass-reflex design with 8-in woofer, open-back 12-in midrange, and four 1½-in tweeters in line-source array. Power handling 250 W; FR 45-20,000 Hz ± 2.5 dB; imp 4 ohms. \$2,500/pr

QUADRAL

Trianon Subwoofer/Satellite System

Ported subwoofer and two 2-way satellites. Power handling 100 W cont avg; FR 30-20,000 Hz; sens 88 dB SPL/W/m; impedance 4 ohms. Satellites: black, white, red, or mint-green polymer finish; 3½ x 8 x 5 in. Subwoofer: black or white polymer finish; 19 x 16 x 8 in; 33 lb. \$1,780

Phonologue Series

The following are available in black-oak, mahogany, rustic-oak, natural-oak, or antique-walnut finish.

Titan IV 3-Way Speaker

Transmission-line design with 12-in woofer, 5-in cone midrange, and ribbon tweeter. Power handling 250 W cont avg; FR 16-50,000 Hz; sens 84 dB SPL/W/m; imp 8 ohms; crossover points 180 and 4,000 Hz. 60 x 20 x 24 in. \$9,990/pr

Vulkan IV 3-Way Speaker

Transmission-line design with 10-in woofer, 5-in cone midrange, and ribbon tweeter. Power handling 200 W cont avg; FR 20-50,000 Hz; sens 84 dB SPL/W/m; imp 4 ohms; crossover points 180 and 3,800 Hz. 51 x 15 x 18 in. \$7,500/pr

Montan IV 4-Way Speaker

Transmission-line design with 9- and 10-in woofers, 4-in cone midrange, and ¾-in titanium-dome tweeter. Power handling 170 W cont avg; FR 28-25,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms; crossover points 150, 500, and 3,500 Hz. 46 x 14 x 16 in. \$5,000/pr

Wotan IV 3-Way Speaker

Bass-reflex design with two 9-in woofers, 5-in cone midrange, and ¾-in titanium-dome tweeter. Power handling 150 W cont avg; FR 30-25,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms; crossover points 300 and 3,500 Hz. 41 x 12 x 14 in. \$4,000/pr

Korun IV 3-Way Speaker

Bass-reflex design with two 9-in woofers, 4-in cone midrange, and ¾-in titanium-dome tweeter. Power handling 150 W cont avg; FR 30-25,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms; crossover points 500 and 3,000 Hz. 38 x 12 x 13 in. \$3,600/pr

Amun IV 3-Way Speaker

Bass-reflex design with 9-in woofer, 5-in cone midrange, and ¾-in titanium-dome tweeter. Power handling 100 W cont avg; FR 32-25,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms; crossover points 300 and 3,500 Hz. 35 x 12 x 12 in. \$2,950/pr

Shogun V 3-Way Speaker

Bass-reflex design with 9-in woofer, 4-in cone midrange, and ¾-in titanium-dome tweeter. Power handling 100 W cont avg; FR 30-25,000 Hz; sens 83 dB SPL/W/m; imp 4 ohms; crossover points 500 and 3,000 Hz. 33 x 10 x 12 in. \$2,560/pr

Tribun IV 3-Way Speaker

Bass-reflex design with 6-in woofer, 4-in midrange, and ¾-in titanium-dome tweeter. Power handling 80 W cont avg; FR 33-25,000 Hz; sens 86 dB SPL/W/m; imp 4 ohms; crossover points 500 and 3,000 Hz. 20 x 10 x 12 in. \$2,240/pr

Altan V 2-Way Speaker

Sealed design with 8-in woofer, ¾-in titanium-dome tweeter. Power handling 60 W cont avg; FR 37-25,000 Hz; sens 86 dB SPL/W/m; imp 4 ohms; crossover point 2,500 Hz. 19 x 10 x 12 in. \$1,700/pr

Phonologue E Series

The following feature a black or agate-gray finish.

Rubin 4-Way Speaker

Bass-reflex design with two 7-in woofers, 4-in midrange, and 1-in ferrofluid-cooled tweeter. Power handling 120 W cont avg; FR 30-22,000 Hz; sens 89.5 dB SPL/W/m; imp 4 ohms; crossover points 150, 800, and 2,800 Hz. 35 x 9 x 11 in. \$1,600/pr

Platin 3-Way Speaker

Bass-reflex design with two 7-in woofers and 1-in ferrofluid-cooled tweeter. Power handling 100 W cont avg; sens 89.5 dB SPL/W/m; imp 4 ohms; crossover points 250 and 3,000 Hz. 31 x 9 x 11 in. \$1,400/pr

Odin 3-Way Speaker

Bass-reflex design with 7-in woofer, 4-in midrange, and 1-in ferrofluid-cooled tweeter. Power handling 80

S P E A K E R S

W cont avg; FR 32-22,000 Hz; sens 87.5 dB SPL/W/m; imp 4 ohms; crossover points 800 and 2,800 Hz. 29 x 9 x 11 in \$1,200/pr

Merin 3-Way Bookshelf Speaker

Bass-reflex design with 7-in woofer, 4-in midrange, and 1-in ferrofluid-cooled tweeter. Power handling 80 W cont avg; FR 32-22,000 Hz; sens 87.5 dB SPL/W/m; imp 4 ohms; crossover points 800 and 2,800 Hz. 18 x 9 x 11 in \$1,000/pr

Dauphin 2-Way Bookshelf Speaker

Bass-reflex design with 7-in woofer and 1-in ferrofluid-cooled tweeter. Power handling 60 W cont avg; FR 36-22,000 Hz; sens 87.5 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz. 15 x 9 x 11 in \$800/pr

Phonologue C Series

The following feature a black-oak finish.

Largo 2-Way Bookshelf Speaker

Bass-reflex design with 7-in woofer and 3/4-in titanium-dome tweeter. Power handling 60 W cont avg; FR 40-25,000 Hz; sens 85 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz. 14 x 9 x 7 in \$1,580/pr

Orkus Powered Subwoofer

Active subwoofer with 100-W amp. FR 30-110,000 Hz; THD 0.008%; damping factor 100. 12 x 12 x 17 in \$1,500

Rondo 2-Way Bookshelf Speaker

Bass-reflex design with 6-in woofer and 3/4-in titanium-dome tweeter. Power handling 50 W cont avg; FR 45-25,000 Hz; sens 84 dB SPL/W/m; imp 4 ohms; crossover point 3,500 Hz. 12 x 8 x 9 in \$975/pr

Ipsos 2-Way Speaker

Bass-reflex design with 5-in woofer and 1-in titanium-cup tweeter. Power handling 50 W nom; FR 50-22,000 Hz; sens 84 dB SPL/W/m; imp 4 ohms; crossover point 3,500 Hz. 10 x 6 x 7 in \$975

QUANTA

Great Pyramid Subwoofer/Satellite System

2 subwoofers, each with 12-in driver, and 2 satellites, each with 6 1/2-in cone midrange and 1 1/8-in dome tweeter. FR 25-20,000 Hz \pm 3 dB; sensitivity 92 dB SPL/W/m; crossover points 75 and 2,000 Hz; nominal impedance 8 ohms. Brown knit grille; optional wood finish. 500 lb \$78,000

Full Pyramid 3-Way Speaker System

2 subwoofers, each with one 10-in driver, and 2 satellites, each with 5 1/4-in cone midrange and 1 1/8-in dome tweeter. FR 27-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; crossover points 75 and 2,000 Hz; nominal impedance 8 ohms. Matte-black finish; gray knit grille. 400 lb \$38,000

The Pyramid 2-Way Speaker

Vented design with 8-in woofer, 1 1/8-in dome tweeter. Sens 93 dB SPL/W/m; crossover point 2,000 Hz; nom imp 8 ohms. Optional finish \$8,500/pr

C-Subwoofer

Vented design with two 10-in drivers. FR 26-200 Hz \pm 3 dB; sens 92 dB SPL/W/m; nom imp 8 ohms. Matte-black finish and black knit grille \$6,500

Baby Pyramid MkIII 2-Way Speaker

Vented design with 5 1/4-in woofer and 1 1/8-in dome tweeter. FR 50-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; crossover point 2,000 Hz \$5,500/pr

Baby Pyramid MkII 2-Way Speaker

Vented design with 5 1/4-in woofer and 1 1/8-in dome tweeter. FR 54-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; crossover point 2,000 Hz; nom imp 8 ohms. Matte-black finish and gray knit grille \$3,990/pr

B-Subwoofer

Hybrid-Line design with 10-in driver. FR 25-200 Hz; \pm 3 dB; sens 92 dB SPL/W/m; nom imp 8 ohms.

Matte-black finish and black knit grille. 34 x 14 x 24 in; 78 lb \$3,250
Kit form \$2,450

VII MkII 2-Way Speaker

Hybrid-Line design with 8-in woofer and 1 1/8-in dome tweeter. Frequency response 29-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; crossover point 2,000 Hz; nominal impedance 8 ohms. Matte-black finish and gray knit grille \$2,990/pr
Kit form \$2,350/pr

III MkII 2-Way Speaker

Hybrid-Line design with 6 1/2-in woofer and 1-in dome tweeter. FR 47-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; crossover point 2,000 Hz; nom imp 8 ohms. Matte-black finish and gray knit grille \$1,490/pr
Kit form \$1,045/pr

A-Subwoofer

Vented design with 8-in driver. FR 30-200 Hz \pm 3 dB; sens 89 dB SPL/W/m; nom imp 8 ohms \$1,290
Kit form \$899

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improvement you can make to any traditional speaker system. Not only do you add the power of the first two octaves, but by eliminating bass energy from your other speakers, the overall sound is cleaner, crisper than ever before.

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S P E A K E R S

The Amazing Mini-Monitor

Vented design with 5/4-in woofer and 1-in dome tweeter. FR 54-22,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; crossover point 2,500 Hz; nom imp 8 ohms. 17 x 7 x 11 in; 20 lb \$997/pr
Kit form \$688/pr

REALISTIC BY RADIO SHACK

Nova 18 2-Way Speaker

Bass-reflex design with 10-in woofer and 3-in tweeter. Features tuned port; removable grille. Power handling 100 W; FR 65-20,000 Hz; sens 90 dB SPL/W/m. Oiled walnut finish. 12 1/4 x 22 5/8 x 8 1/2 in; 17.5 lb \$200/pr

Nova 16 2-Way Speaker

Bass-reflex design with 8-in woofer and 2 1/2-in tweeter. Features tuned port; removable grille. Power handling 60 W; FR 60-20,000 Hz; sens 88 dB SPL/W/m. Oiled walnut finish. 10 1/4 x 16 1/2 x 6 1/2 in; 14 lb \$160/pr

Realistic Subwoofer

12-in driver with dual voice coils. Features crossover; push-type terminals. Power handling 100 W; FR 35-200 Hz. Walnut veneer finish. 12 5/8 x 18 5/8 x 15 3/4 in \$150

Model 40-1365 2-Way In-Wall Speaker

5 1/4-in woofer and 1-in soft-dome tweeter. Includes mounting hardware. FR 60-20,000 Hz. 7 5/8 x 11 1/8 x 2 1/2 in \$50/pr

Model 40-155. Two 1 1/2-in drivers with mini plug. Designed for use with pocket stereos. 3 1/8 x 3 1/4 x 1 1/4 in \$10/pr

Minimus Series

Model 7W 2-Way Mini Speaker

4-in woofer and 1-in soft-dome tweeter. Spring terminals. Power handling 40 W max \$120/pr

Model 7 2-Way Mini Speaker

4-in woofer and 1-in soft-dome tweeter. Features die-cast metal enclosure; hanger slots and recessed spring connectors for wall mounting. Power handling 40 W max. 4 3/8 x 7 x 4 3/8 in \$100/pr

Model 26 2-Way Mini Speaker

Acoustic-suspension design with 5-in woofer and 2 1/2-in tweeter. Power handling 40 W; FR 90-20,000 Hz; sens 87 dB SPL/W/m. 6 3/4 x 11 x 4 3/8 in \$70/pr

Model 21. 4-in full-range driver. Power handling 10 W. 9 3/8 x 5 5/8 x 4 3/4 in \$54/pr

Model 3.5. Molded enclosure with steel grille; spring terminals. Power handling 15 W max. 3 5/8 x 5 3/4 x 3 in \$52/pr

Model 0.6 Powered Mini Speaker

1/2-in full-range driver. Designed for use with pocket stereos. 2-W amplifier; 1/4-in headphone jack. Operates on 8 C batteries. Includes carrying case, interconnect cable. 5 5/8 x 3 1/4 x 3 1/4 in \$50/pr

Model 2.5. 4-in driver. Power handling 10 W max. Walnut-vinyl finish. 5 x 6 5/8 x 3 1/2 in \$44/pr

Model 3. 5-in driver. Power handling 7 W max. Walnut-vinyl finish. 8 1/2 x 10 x 5 1/2 in \$34/pr

Model 0.3. Cube design with 3-in driver. Power handling 7 W. Walnut veneer. 4 x 4 x 3 3/8 in \$32/pr

Model 0.4 Powered Mini Speaker

Designed for use with pocket stereos. Features 1.5-W amp; bass and treble controls \$30/pr

Supertweeters

Dynamic. Mounts inside or outside speaker cabinet. Max power 50 W; FR to 40,000 Hz. 4-in height \$25

Piezo. Power handling 75 W max; FR to 27,000 Hz; sens 96 dB SPL/W/m \$13

RECOTON

The following are designed for use with personal stereos.

HG 800 Powered Mini Speaker

Two 2 1/2-in square, flat speaker elements with built-in amp \$40

HG 530 Powered Mini Speaker

Mini-plug input. 1 W x 2. Power-on switch with LED indicator. Powered by 4 AA batteries or optional DC adaptor \$22

HG 550 Powered Mini Speaker

2 drivers. Power-on switch for LED indicator. Powered by 4 C batteries or optional DC adaptor \$19.99

HG 520 Powered Mini Speaker

2 drivers with ferrite magnets \$13.49

REEL TO REAL DESIGNS

The following are available in hand-rubbed walnut, black-lacquer, oak, ribbon-mahogany, or rosewood finish with black, brown, gray, or white grilles. All feature a 10-year warranty.

Focus 4-Way Speaker

Three 12-in carbon-poly woofers, two 7-in Kevlar midranges, 1 1/4-in metallized dome, and samarium-cobalt ribbon supertweeter. Features biamp/biwire terminals; internal bracing; Cardas internal wiring; rolled-tambour front corners. Power handling 1,000 W; FR 16-30,000 Hz; sens 98 dB; imp 4 ohms; crossover points 180, 2,800, and 12,000 Hz. 16 x 14 x 55 in; 175 lb \$4,850/pr

Convergence 3-Way Speaker

Two 12-in carbon-poly woofers, two 6 1/2-in polyglass midranges, and 1-in aluminum-dome tweeter with dispersion lens. Features biamp/biwire terminals; rolled-tambour front corners. Power handling 500 W; FR 20-25,000 Hz; sens 98 dB; imp 4 ohms; crossover points 180 and 3,900 Hz. 16 x 14 x 50 in; 155 lb \$3,850/pr

Legacy Signature II 4-Way Speaker

Three 10-in carbon-poly woofers, two 6 1/2-in poly midranges, 1 1/4-in dome tweeter, and ribbon supertweeter. Features bipolar response above 5,000 Hz; slot-loaded subwoofer; biamp/biwire terminals. Power handling 400 W; FR 20-30,000 Hz; sens 93.5 dB; imp 4 ohms; crossover points 80, 2,800, and 8,000 Hz. 12 x 12 x 48 in; 130 lb \$2,996/pr

Protege 2-Way Bookshelf Speaker

Two 6 1/2-in polyglass woofers with phase plugs, 1-in aluminum-dome tweeter with dispersion lens, and rear-firing aluminum-dome tweeter. Features biamp/biwire terminals; EQ control. Power handling 300 W; FR 38-25,000 Hz; sens 96 dB; imp 4 ohms; crossover point 3,500 Hz. 12 x 12 x 21 in; 60 lb \$2,296/pr
Satin black 25-in speaker stands with welded construction and adjustable spikes \$175/pr

Legacy-1 4-Way Speaker

Two 10-in polypropylene woofers, 6 1/2-in curvilinear poly midrange, 1 1/4-in metallized-dome tweeter, ribbon supertweeter, and rear-firing tweeter. Features biamp/biwire terminals. Power handling 300 W; FR 22-30,000 Hz; sens 92 dB; imp 4 ohms; crossover points 120, 2,800, and 8,000 Hz. 12 x 12 x 44 in; 110 lb \$1,996/pr

Legacy-2 Plus 3-Way Speaker

10-in carbon-poly woofer, 6 1/2-in curvilinear poly midrange, 1-in ferrofluid-cooled aluminum-dome tweeter, and rear-firing tweeter. Features gold-plated Tiffany binding posts. Power handling 200 W; FR 28-22,000 Hz; sens 90.5 dB; imp 6 ohms; crossover points 180 and 2,800 Hz \$1,448/pr

Legacy Powered Subwoofer

Three 12-in carbon-poly drivers in equalized alignment. Features adjustable crossover frequencies with level control. 200-W high current amplifier. FR 16-100 Hz; sens 98 dB (adjustable). 16 x 16 x 28 in; 130 lb \$1,296

Super Satellite 2-Way Bookshelf Speaker

Two 6 1/2-in polypropylene woofers and 1-in ferrofluid-cooled aluminum-dome tweeter. Features gold-plated Tiffany binding posts. Power handling 200 W; FR 38-22,000 Hz; sens 94.5 dB; imp 4 ohms; crossover point 2,800 Hz. 11 x 10 x 19 in; 40 lb \$848/pr

SE Satellite 2-Way Bookshelf Speaker

7-in Kevlar cast-frame woofer and 1-in ferrofluid-cooled aluminum-dome tweeter. Features gold-plated Tiffany binding posts; phase compensated crossover network. Power handling 200 W; FR 40-22,000 Hz; sens 91.5 dB; imp 8 ohms; crossover point 2,800 Hz. 11 x 10 x 13 in; 32 lb \$796/pr

Dual 12 Subwoofer

Two carbon-poly 12-in drivers in sixth-order Butterworth alignment. Features mono/stereo operation; variable crossover frequency and slope. Power handling 500 W; FR 16-100 Hz; sens 91.5 dB; imp 8 ohms/ch. Bridgeable to mono operation. 16 x 16 x 27 in; 100 lb \$796

Legacy Satellite 2-Way Bookshelf Speaker

6 1/2-in polypropylene woofer with cast-magnesium frame and 1-in ferrofluid-cooled aluminum-dome tweeter. Features gold-plated Tiffany binding posts. Power handling 150 W; FR 42-22,000 Hz; sens 90 dB; imp 8 ohms; crossover point 2,800 Hz. 11 x 10 x 13 in; 28 lb \$596/pr

Legacy Mini Monitor 2-Way Speaker

Wall-mountable design with 5 1/4-in cast-frame woofer and 1-in ferrofluid-cooled aluminum-dome tweeter. Features gold-plated Tiffany binding posts; built-in high-pass filter. Power handling 125 W; FR 59-22,000 Hz; sens 90 dB; imp 6 ohms; crossover point 2,200 Hz. 7 x 7 x 9 in; 16 lb \$458/pr
Satin black 25-in speaker stands with welded construction and adjustable spikes \$175/pr

ROGERS

P-24 3-Way Speaker

Symmetrical design with 8-in long-throw polypropylene woofer, 6 1/2-in midrange, and 1-in aluminum-dome tweeter. Features MDF cabinet; gold-plated connectors; woofer and midrange with Kapton voice-coil formers and die-cast chassis. Biamp/biwire terminals. Includes foot spikes. Power handling 250 W; frequency response 45-20,000 Hz \pm 2 dB; sensitivity 86 dB SPL/W/m; nom impedance 4 ohms; crossover points 100 and 2,300 Hz with 24-dB/oct slope. Black-ash or walnut veneer; black woven-cloth grille. 9 5/8 x 41 x 13 3/4 in; 64 lb \$3,000/pr

LS5/9 2-Way Speaker

Bass-reflex design with 8-in polypropylene woofer and tweeter. Features quasi-3rd-order high-pass acoustic transfer at 50 Hz; damped Birch construction; gold-plated binding posts. Power handling 100 W; FR 50-16,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; nom imp 8 ohms. Walnut, teak, or black-ash veneer; black woven-cloth grille. 11 x 18 x 10 7/8 in; 28.6 lb \$2,500/pr

P-22 2-Way Speaker

Bass-reflex design with 8-in polypropylene woofer and 1-in aluminum-dome tweeter. MDF cabinet; woofer with Kapton voice-coil former and die-cast chassis. Gold-plated connectors; biamp/biwire terminals. Includes foot spikes. Power handling 150 W; FR 50-20,000 Hz \pm 2 dB; sens 87.5 dB SPL/W/m; nom imp 8 ohms; crossover point 2,300 Hz with 24-dB/oct slope. Black-ash or walnut veneer; black woven-cloth grille. 10 x 33 x 12 in; 46 lb \$2,100/pr
P-20. As above, designed for stand mounting. FR 75-20,000 Hz \pm 2 dB. 10 x 16 x 12 in; 20 lb \$1,600/pr

Proof you can grow up without becoming square.

Studio 1a 2-Way Speaker

Bass-reflex design with polypropylene woofer and aluminum-dome tweeter. Features biwireable crossover. Power handling 220 W; FR 45-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; Imp 8 ohms. Walnut, teak, or black finish. 12 x 25 x 12 in; 40 lb \$1,600/pr

LS8a 3-Way Speaker

Modified acoustic-suspension design with two 8 $\frac{1}{4}$ -in polypropylene woofers and $\frac{3}{4}$ -in aluminum-dome tweeter. Features Butterworth 3rd-order alignment with -3 dB at 50 Hz; damped particleboard construction with MDF baffle; Kapton voice-coil former. Biamp/biwire terminals. Includes foot spikes. Power handling 100 W; FR 50-20,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; nom imp 8 ohms. Simulated walnut or black veneer; black woven-cloth grille. 11 x 18 x 10 $\frac{7}{8}$ in; 28.6 lb \$1,100/pr

LS3/5a 2-Way Bookshelf Speaker

Bass-reflex design with 5-in polypropylene woofer and $\frac{3}{4}$ -in tweeter. Features 2nd-order high-pass acoustic transfer at 70 Hz; damped Birch construction. Power handling 100 W; FR 70-20,000 Hz \pm 3 dB; sens 82.5 dB SPL/W/m; nom imp 11 ohms. Walnut, teak, or black-ash veneer; black woven-cloth grille. 7 $\frac{1}{2}$ x 12 x 6 $\frac{1}{2}$ in; 12 lb \$999/pr

LS6a/2 2-Way Speaker

Features biwireable crossover. Power handling 150 W; FR 50-20,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 8 ohms. Walnut or black. 10 $\frac{3}{4}$ x 20 x 11 in; 33 lb \$900/pr

LS4a/2 2-Way Bookshelf Speaker

Acoustic-suspension design with 8 $\frac{1}{4}$ -in woofer and $\frac{3}{4}$ -in aluminum-dome tweeter. Features Butterworth 2nd-order alignment with -3 dB point at 55 Hz; damped particleboard with MDF baffle. Biamp/biwire terminals. Power handling 100 W; FR 55-20,000 Hz \pm 2 dB; sens 88 dB SPL/W/m; nom imp 8 ohms; crossover point 3,000 Hz with 18-dB/oct slope. Simulated black/walnut veneer; black woven-cloth grille. 10 x 17 x 9 $\frac{5}{8}$ in; 17.2 lb \$750/pr

LS2a/2 2-Way Bookshelf Speaker

Bass-reflex design with 8-in polypropylene woofer and $\frac{3}{4}$ -in aluminum-dome tweeter. Features Butterworth quasi-3rd-order alignment with -3 dB at 60 Hz; critically-damped particle board with MDF baffle; Kapton voice-coil former. Power handling 100 W; FR 80-20,000 Hz \pm 2 dB; sens 86.5 dB SPL/W/m; nom imp 8 ohms; crossover point 3,500 Hz with 18-dB/oct slope. Simulated walnut or black veneer; black woven-cloth grille. 9 x 14 x 18 $\frac{1}{4}$ in; 13.2 lb \$550/pr

Speaker Stands

The following include adjustable carpet-piercing spikes.

S59. For LS5/9 and LS4a speakers. 44 lb \$225

S40. For Studio 1a, LS6a, and LS7i speakers. Black. 38 lb \$200

S55. For LS2a and LS3/5a speakers. Black. 40 lb \$200

ROSSMAN

SA1.0 2-Way Powered Speaker

Bass-reflex biampified design with 8-in poly-cone woofer, 1-in dome tweeter, 10-W tweeter amp, and 40-W woofer amp. Features 18-dB/oct crossover. Bass, treble, and volume controls with tone-defeat switch. Crossover point 2,300 Hz; Input imp 100 kilohms; FR 40-20,000 Hz \pm 3 dB \$600/pr

SA.5a. As above, with 5-in woofer. FR 55-22,000 Hz \pm 3 dB \$500/pr

RUSSOUND/FMP

SP 610 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in polypropylene woofer and 1-in ferrofluid-cooled soft-dome tweeter. Features auto tweeter reset. Power handling 80 W rms; FR 40-20,000 Hz; sens 90 dB SPL/W/m; nom imp 8 ohms; crossover point 2,500 Hz. 8 x 11 $\frac{3}{4}$ x 3 $\frac{5}{8}$ in \$360/pr



Four years ago NHT introduced a literally off-the-wall approach to sound. Our compact Model 1 bookshelf speaker featured an acoustic technology called Focused Image Geometry. Its baffles slanted 21°, projecting sound away from side walls and out into the listening area, dramatically improving the stereo image. It was a hit. Ever since then, people have expected more from us.

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S P E A K E R S

SP 692 In-Wall Subwoofer

6 x 9-in dual-voice-coil driver. Power handling 75 W rms; FR 28-90 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 90 Hz. 8 x 11 $\frac{3}{4}$ x 3 $\frac{5}{8}$ in \$295

SP 502 2-Way In-Wall Speaker

5 $\frac{1}{4}$ -in polypropylene woofer and 2 $\frac{1}{4}$ -in ferrofluid-cooled tweeter. Features thermal protection; auto tweeter reset. 5-way binding posts. Power handling 50 W rms; FR 70-20,000 Hz; sens 90 dB SPL/W/m; nom imp 8 ohms; crossover point 3,000 Hz. Matte-white finish; removable metal grilles \$200/pr

SANSUI

SP-X3U 3-Way Speaker

Acoustic-suspension design with 10-in carbon-filled polypropylene woofer, 5-in carbon-filled polypropylene midrange, $\frac{3}{4}$ -in ferrofluid-cooled dome tweeter. Gold-plated 5-way binding posts. Power handling 250 W max; FR 35-23,000 Hz \pm 3 dB; imp 8 ohms. Oak cabinet. 14 x 21 $\frac{1}{4}$ x 10 $\frac{3}{8}$ in; 17 lb \$380/pr

SW-S7.7U Subwoofer/Satellite System

Subwoofer with two 6-in drivers, and 2 acoustic-suspension satellites, each with 5-in polypropylene midrange and $\frac{1}{2}$ -in soft-dome tweeter. Power handling 60 W cont avg into 6 ohms; FR 55-22,000 Hz; sens 88 dB SPL/W/m; crossover points 200 and 6,000 Hz. Satellites: oak or black wood grain; 7 x 11 $\frac{3}{4}$ x 7 $\frac{1}{8}$ in; 10 lb. Subwoofer: black textured finish; 9 $\frac{3}{4}$ x 19 x 11 $\frac{3}{4}$ in; 26 lb \$370

SP-X2U 2-Way Speaker

Acoustic-suspension design with 8-in carbon-filled polypropylene woofer and $\frac{3}{4}$ -in ferrofluid-cooled dome tweeter. Gold-plated 5-way binding posts; rounded cabinet baffles. Power handling 200 W max; FR 40-23,000 Hz \pm 3 dB; imp 8 ohms. Oak cabinets. 11 $\frac{3}{4}$ x 21 $\frac{1}{4}$ x 10 $\frac{3}{8}$ in; 28 lb \$300/pr

SAVARD

The following feature a 4/8-ohm impedance switch.

Precision-Phase XXIII 6-Way Speaker

15-in subwoofer, 10-in woofer, four 6 $\frac{1}{2}$ -in midbass, four 5-in midranges, four $\frac{3}{4}$ -in tweeters, and 8 supertweeters. Features biamp/biwire terminals; level controls. Crossover points 200, 600, 2,000, 5,000, and 10,000 Hz; power handling 500 W; FR 25-30,000 Hz; sens 105 dB SPL/W/m; Light oak finish with removable grille. 62 x 28 x 18; 210 lb \$3,200/pr

BMF-Phase VIII 3-Way Speaker

15-in subwoofer, 4 x 10-in horn midrange, and multi-cellular tweeter. Power handling 300 W; FR 25-30,000 Hz; sens 104 dB SPL/W/m; crossover points 700, 3,000 Hz. 21 x 30 $\frac{3}{4}$ x 18 in; 75 lb ... \$1,400/pr

Studio-Monitor Phase XXVII 5-Way Speaker

12-in woofer, 6 $\frac{1}{2}$ -in midbass, two 1-in soft-dome tweeters, two $\frac{3}{4}$ -in hard-dome tweeters, and 2 supertweeters. Power handling 300 W; FR 30-30,000 Hz; sens 104 dB SPL/W/m; crossover points 200 and 5,000 Hz. 17 $\frac{3}{8}$ x 31 $\frac{1}{2}$ x 15 in; 59 lb \$1,200/pr

Audiophile 12 4-Way Speaker

12-in woofer, 6-in midbass, 5-in midrange, and $\frac{3}{4}$ -in hard-dome tweeter. Biamp/biwire terminals. Power handling 250 W; FR 30-30,000 Hz; sens 102 dB SPL/W/m. Slanted face with removable grill. Light-oak finish. 30 $\frac{5}{8}$ x 18 $\frac{1}{8}$ x 14 $\frac{1}{2}$ in \$999/pr

Audiophile System 83 3-Way Speaker

8-in woofer, 4 $\frac{1}{2}$ -in midrange, and $\frac{3}{4}$ -in hard-dome tweeter. Power handling 200 W; FR 40-30,000 Hz; sens 98 dB SPL/W/m; crossover points 500 and 5,000 Hz. Slanted face with removable grille. Light-oak side panels. 12 $\frac{3}{4}$ x 12 $\frac{1}{2}$ x 21 in \$600/pr

Audiophile Subwoofer System 1201

Two 12-in drivers. Power handling 400 W; FR 30-200 Hz; sens 99 dB SPL/W/m; crossover point 200 Hz. 11 $\frac{5}{8}$ x 23 x 14 in \$500

Audiophile System 82 2-Way Speaker

8-in woofer and $\frac{3}{4}$ -in hard-dome tweeter. FR 40-30,000 Hz; sens 98 dB SPL/W/m; crossover point 5,000 Hz. Slanted face with removable grille. Light-oak side panels. 12 $\frac{3}{4}$ x 12 $\frac{1}{2}$ x 21 \$450/pr

Audiophile Subwoofer System 801

Two 8-in drivers. Power handling 200 W; FR 30-200 Hz; sens 99 dB SPL/W/m; crossover point 200 Hz. 11 $\frac{5}{8}$ x 23 x 14 \$400

Satellite System 602 2-Way Bookshelf Speakers

Corner-ceiling-mount design with 6 $\frac{1}{2}$ -in midbass midrange and $\frac{3}{4}$ -in hard-dome tweeter. Designed for use with subwoofer. Power handling 200 W; FR 200-30,000 Hz; sens 97 dB SPL/W/m; crossover point 5,000 Hz. 13 x 9 x 7 in; 31 lb \$400/pr

Audiophile 10 3-Way Speaker

10-in woofer, 5-in midrange, and $\frac{3}{4}$ -in hard-dome tweeter. Power handling 200 W; FR 30-20,000 Hz; sens 100 dB SPL/W/m; Slanted face with removable grille. Light-oak finish. 27 x 15 x 14 $\frac{1}{2}$ in \$399

SCIENTIFIC FIDELITY

The Tesla 2-Way Speaker

Bass-reflex design with 2 carbon-fiber woofers with aluminum phase plugs and 1 tweeter in D'Appolito alignment. Features edge-wound copper-ribbon voice-coils; Norsorex surrounds. FR 32-35,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 1,000 Hz. Rosewood, teak, or black finish. 5-yr warranty. 8 x 49 x 13 in; 50 lb \$2,250
Gloss black or gloss white finish \$2,500

The Joule 2-Way Mini-Speaker

6 $\frac{1}{2}$ -in carbon-fiber woofer and 1-in aluminum-dome tweeter. No parallel sidewalls. FR 38-25,000 Hz. High-gloss, polyester-resin simulated rosewood. Gray, granite, or black. 10 x 14 x 15 in \$990/pr
The Setting. Stand for above. Handles 80 lb sand-loading. Matching finish available \$200

SENNET

SH600 Home Theater Speaker System

Includes 2 pairs of SH40 satellites, SH44 center-channel speaker, and SH88 subwoofer \$375

SH5 2-Way Outdoor Speaker

Acoustic-suspension design with 5 $\frac{1}{4}$ -in carbon-filled polypropylene woofer and $\frac{1}{2}$ -in ferrofluid-cooled dome tweeter. Features weatherproof components. Power handling 40 W nom; FR 60-20,000 Hz; sens 89 dB; imp 4/8 ohms. Black or white finish. 6 $\frac{1}{4}$ x 9 $\frac{3}{8}$ x 5 $\frac{3}{8}$ in \$125/pr

SH88 Subwoofer

8-in driver with dual voice coils. Power handling 100 W rms; FR 20-250 Hz; sens 92 dB; imp 4/8 ohms; crossover point 100 Hz with 6-dB/oct slope. Black or white finish. 10 $\frac{1}{4}$ x 15 $\frac{1}{4}$ x 12 in \$125

SH44 2-Way Center-Channel Speaker

Magnetically shielded cabinet with two 4-in carbon-filled polypropylene woofers and $\frac{3}{8}$ -in dome tweeter. Power handling 100 W; FR 80-21,000 Hz; imp 4/8 ohms. 11 x 5 x 7 $\frac{1}{2}$ in \$90

SH40 2-Way Speaker

Acoustic-suspension design with 4-in carbon-filled polypropylene woofer and $\frac{1}{2}$ -in ferrofluid-cooled dome tweeter. Fiberglass-filled ABS cabinet. Power handling 40 W nom; FR 80-20,000 Hz; sens 90 dB; imp 4/8 ohms. Black or white finish. 4 $\frac{3}{4}$ x 8 $\frac{1}{2}$ x 3 $\frac{1}{2}$ in \$80/pr

SENTRY

HO-699 Little Big One Powered Mini Speaker

Full range driver designed for personal stereos and portable CD players. Power output 1 W x 2; imp 4 ohms; input imp 50 ohms. Powered by 4 AA batteries or AC adaptor \$30/pr

HO-598 Micro Mini Speakers

2 $\frac{1}{4}$ -in speakers with clip-on design for portable systems. Sens 90 dB \pm 3 dB; imp 8 ohms. Includes 4-ft cord with mini plug \$12.95/pr
HO-558. Desktop version of above \$11.95/pr

SEQUERRA ASSOCIATES

The following feature a 5-year warranty.

Signature Subwoofer/Satellite System

Subwoofer with two 10-in composite-cone drivers, and 2 satellites, each with 6 $\frac{1}{2}$ -in woofer and 2-in midrange/tweeter, four 2 $\frac{1}{2}$ -in cone tweeters, and T1 MkIII ribbon tweeter. Features 6-dB/oct crossover with air-core inductors, polypropylene capacitors, and OHFC wiring; 5-way binding posts. Power handling 700 W max (subwoofer), 91 dB SPL/W/m (satellites); imp 8 ohms; frequency response 48-19,000 Hz \pm 1 dB (satellites). Subwoofer: 185 lb. Satellite: 8 x 12 x 14 in; 36 lb \$25,000

T1 MkIII Ribbon Tweeter

Planar aluminum ribbon. Power handling 200 W; FR 2,500-80,000 Hz +3 dB; sens 96 dB SPL/W/m; imp 6 ohms; crossover point 2,600 Hz \$3,000/pr

MET-8 MkII Subwoofer

10-in polypropylene woofer with die-cast magnesium frame and double magnet. Designed for use with MET-7 MkII. Features air-core inductors; gold-plated 5-way binding posts. Power handling 500 W cont; sens 90 dB SPL/W/m; imp 8 ohms. Satin black-lacquer finish. 13 $\frac{1}{2}$ x 33 x 17 $\frac{3}{4}$ in; 72 lb ... \$2,500/pr
Oak or walnut finish \$1,200/pr

MET-9 MkII Ribbon Tweeter

Planar aluminum ribbon. Features crossover with air-core inductors, polypropylene capacitors, and OHFC wiring; gold-plated 5-way binding posts. FR 4,500-50,000 Hz \pm 2 dB; sens 88 dB SPL/W/m; imp 6 ohms. Satin black-lacquer finish \$1,700/pr
Oak or walnut finish \$1,500/pr

MET-7 MkII 2-Way Bookshelf Speaker

Sealed-box design with 6 $\frac{1}{2}$ -in polypropylene woofer and 2-in midrange/tweeter. Features 6-dB/oct crossover with air-core inductors, polypropylene capacitors, and OHFC wiring; gold-plated 5-way binding posts. Midrange/tweeter level control. Power handling 250 W rms; FR 54-20,000 Hz +2 dB; sens 90 dB SPL/W/m; imp 8 ohms. Satin black-lacquer finish. 7 $\frac{7}{8}$ x 11 $\frac{1}{4}$ x 11 $\frac{1}{8}$ in; 13 lb \$990/pr
Oak or walnut finish \$750/pr

MET 10-8 MkII Line-Source Tweeter Array

Eight 2 $\frac{1}{2}$ -in tweeters. Features OFC wiring; gold-plated 5-way binding posts; volume control. Power handling 500 W; FR 2,000-20,000 Hz \pm 2 dB; sens 96 dB; imp 8 ohms; crossover point 1,700 Hz. Satin black finish. 5 $\frac{1}{4}$ x 23 x 6 in; 17 lb \$950
Walnut or oak veneer \$850
MET 10-4. As above, with four 2 $\frac{1}{2}$ -in tweeters. Volume control; sens 93 dB. Satin-black finish. 5 $\frac{1}{4}$ x 12 $\frac{5}{8}$ x 6 in; 8 lb \$700
Walnut or oak veneer \$600

SHAHINIAN

Diapason Module

Asymmetric prism with four 5 $\frac{1}{4}$ -in poly-cone rubber-edge woofers, two 1 $\frac{3}{8}$ -in cambric-dome midranges with dual-magnet alignment, two $\frac{3}{4}$ -in cambric-dome tweeters, and six $\frac{3}{8}$ -in W-shaped titanium-dome supertweeters. Features woofers with 1-in aluminum voice coils and 20-oz ceramic magnets; rakes made of 13-ply Finland birch; 1st- and 3rd-order filters. Power handling 250 W cont avg; FR 125-22,000 Hz -3 dB. Brown, black, beige, bone, or polyester grille. 40 lb \$2,400

Hawk Module. As above, four 4 $\frac{1}{2}$ -in midranges with 1-in aluminum voice coils and 10-oz ceramic magnets, four $\frac{3}{4}$ -in tweeters, four $\frac{3}{8}$ -in supertweeters. Power handling 200 W; FR 250-22,000 Hz ... \$1,600

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Obelisk 3-Way Speaker

Folded double-prism 5-in hybrid transmission-line design with 8-in asymmetrically positioned polywoof-er, 10-in mass-loaded-membrane polypropylene passive radiator, two 1 3/8-in cambric-dome mid-ranges, four 3/8-in W-shaped dome tweeters. Power handling 500 W; nom imp 6 ohms. Walnut or oak standard finish; other finishes available. 14 1/2 x 29 x 12 1/2 in; 55 lb \$2,150/pr

Double Eagle Stereo Subwoofer

One enclosure with two acoustically separated 8-in polypropylene drivers and two 10-in polypropylene passive radiators. FR 26-1,000 Hz -3 dB; nom imp 6 ohms; crossover point 140 Hz with 18-dB/oct slope. Walnut finish on Finland birch. Other finishes avail-able. 23 x 30 x 14 in; 105 lb \$1,400

Arc 3-Way Speaker

Vertical transmission-line design with 8-in polypropylene woofer, 10-in viscous-damped passive radi-ator, 1 3/8-in cambric-dome midrange, and 1-in titanium tweeter. Features time-aligned phase-correct driver placement. Power handling 350 W; nom Imp 4 ohms. Natural, medium, or dark-oak finish on 3/4-inch fiber-board. 14 x 27 1/2 x 9 3/4 in; 42 lb \$1,350/pr

Hawk Subwoofer

Folded transmission-line enclosure with 8-in driver with dynamic damping, 10-in passive radiator. Features satellite-speaker inputs; multiple crossover points for low- and high-pass filters. Power handling 150 W; FR -3 dB at 25 Hz, uniform 250/500 Hz; imp 6 ohms. 14 1/2 x 30 x 11 1/4 in; 60 lb \$900

Super Elf 2-Way Speaker

Vented design with 5 1/4-in polypropylene woofer and 1-in polypropylene-dome tweeter. Power handling 150 W; FR 55-18,000 Hz -3 dB; nom imp 6 ohms. Natural, medium, or dark-oak finish. 6 5/8 x 12 1/2 x 7 1/4 in; 17 lb \$750/pr

SIGNET

SL280 2-Way Speaker

Vented enclosure with 8-in polypropylene woofer with rubber surround and 1-in ferrofluid-cooled alu-minum-dome tweeter. Features crossover with air-core inductors, polypropylene capacitors, and OFC wiring; injection-molded magnesium frame; biwire/biamp terminals. Power handling 150 W; FR 40-25,000 Hz; sens 89 dB SPL/W/m; nom imp 8 ohms; crossover point 3,000 Hz. Oak veneer. 9 3/4 x 25 x 12 7/8 in; 37 lb \$900/pr

SL280B/U. As above, black vinyl \$700/pr

SL260 2-Way Speaker

Vented enclosure with 6-in polypropylene woofer with rubber surround and 3/4-in ferrofluid-cooled alu-minum-dome tweeter. Features crossover with air-core inductors, polypropylene capacitors, and OFC wiring; biwire/biamp terminals; injection-molded magnesium frame. Power handling 125 W; FR 45-25,000 Hz; sens 88 dB SPL/W/m; nom imp 8 ohms; crossover point 3,000 Hz. Oak veneer. 8 1/8 x 15 1/2 x 12 7/8 in; 23 lb \$650/pr

SL260B/U. As above, black vinyl \$450/pr

SL230 Subwoofer/Satellite System

Subwoofer with 2 slot-loaded 6-in drivers, and 2 satellites, each with 3 1/2-in injection-molded mid-range and 3/4-in ferrofluid-cooled dome tweeter. Crossover with film capacitors and protection cir-cuits. Power handling 100 W cont avg; FR 50-20,000 Hz; sens 88 dB SPL/W/m; crossover points 200 and 3,000 Hz. Satellites finished in oak veneer, sub-woofer in black vinyl. Subwoofer: 13 x 21 x 6 3/4 in. Satellites: 4 7/8 x 8 1/8 x 4 3/8 in \$600

SL230B/U. As above, satellites finished in black vinyl \$500

SL250B/U 2-Way Speaker

Vented enclosure with 5 1/2-in paper cone woofer with rubber surround and 3/4-in metallized-polycarbonate dome tweeter with ferrofluid-cooled voice coil. Fea-

tures crossover with air-core inductors, polypropy-lene capacitors, and OFC wiring. Power handling 100 W; FR 50-22,000 Hz; sens 88 dB SPL/W/m; crossover point 3,300 Hz. Black-vinyl finish. 12 1/2 x 10 x 7 in; 17 lb \$300/pr

SL240B/U 2-Way Speaker

Vented enclosure with 5 1/4-in woofer and 3/4-in metal-ized-polycarbonate dome tweeter with ferrofluid-cooled voice coil. Features magnetic shielding. Power handling 75 W; FR 65-20,000 Hz; sens 88 dB SPL/W/m; crossover point 4,000 Hz. Black-vinyl finish. 7 x 10 1/4 x 6 in; 6 lb \$200/pr

SNELL ACOUSTICS

Type A-III 4-Way Speaker

Acoustic-suspension design with 12-in woofer, 4-in midrange, 1-in front tweeter, and 3/4-in rear tweeter. Gold-plated biwire/biamp terminals. Adjustable crossover points. Power handling 250 W cont; FR 33-22,000 Hz ± 1.5 dB; imp 8 ohms; sens 86 dB SPL/W/m; crossover points 275, 2,700, and 10,000 Hz. Hand-rubbed matching oak, dark oak, walnut, or black veneer finish \$5,990/pr

Type B 4-Way Speaker

10-in rear-firing subwoofer, 10-in woofer, two 5 1/4-in polypropylene midranges, 1-in aluminum-dome tweeter, and 3/4-in rear-firing tweeter. FR 20-20,000 Hz; min imp 4 ohms; sens 86 dB SPL/W/m; crossover points 40, 275, 2,700, and 5,000 Hz. 25 x 48 x 19 in; 152 lb \$4,490/pr

Type B Minor 3-Way Speaker

12-in side-firing woofer, two 5 1/4-in cast-frame poly-propylene-cone midranges, 1-in front tweeter, and 3/4-in rear tweeter. FR 20-20,000 Hz ± 2 dB, min imp 4 ohms; sens 88 dB SPL/W/m \$3,390/pr

Type C-IV 3-Way Speaker

Bass-reflex design with 10-in woofer, 5-in midrange, 1-in ferrofluid-cooled aluminum-dome tweeter, and 3/4-in switchable rear tweeter. Features 24-dB/octave crossover; biwire/biamp terminals. Power handling 250 W cont; FR 34-22,000 Hz ± 3 dB; sens 88.5 dB SPL/W/m; imp 8 ohms; crossover points 275 and 2,700 Hz. Hand-rubbed matching oak, dark-oak, wal-nut, or black veneer finish. 14 1/2 x 46 x 11 3/4 in; 95 lb \$2,190/pr

Type E/III 2-Way Speaker

Bass-reflex design with 8-in polymer-treated woofer, 1-in soft-dome tweeter, and 3/4-in ferrofluid-cooled rear-loaded dome supertweeter. Gold-plated biwire/biamp terminals. Adjustable crossover points. Power handling 150 W cont; FR 39-20,000 Hz ± 1.75 dB; sens 91 dB SPL/W/m; imp 6 ohms; crossover point 2,700 Hz. Oak, dark-oak, walnut, and black veneer finish. 13 x 35 x 11 in; 50 lb \$990/pr

E/III Stand. Raises speakers 12 in; spiked, hollow-column design can be filled with sand or lead shot \$120/pr

Type Q 2-Way Bookshelf Speaker

6 1/2-in polypropylene cone woofer, 1-in rear-firing textile-dome tweeter, and 3/4-in rear-firing tweeter. Each speaker individually adjusted to match refer-ence speaker; flush grille designed to reduce diffrac-tion. Power handling 150 W cont; FR 75-20,000 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 8 ohms; crossover point 2,200 Hz. Oak, dark-oak, walnut, or black veneer finish. 10 1/2 x 15 1/2 x 6 3/4 in; 23.5 lb .. \$790/pr

Type Q Stand. Bolts directly to above; can be mass-loaded with sand or lead; includes foot spikes. Black veneer finish. 32-in height. 10 lb \$120/pr

Type J/III 2-Way Bookshelf Speaker

Bass-reflex design with 8-in polymer-treated cone woofer and 1-in soft-dome tweeter. Gold-plated biwire/biamp terminals. Adjustable crossover points. Power handling 150 W cont; FR 49-20,000 Hz ± 2 dB; sens 91 dB SPL/W/m; imp 6 ohms; crossover point 2,700 Hz. Oak, dark-oak, walnut, or black veneer. 13 x 23 x 10 in \$690/pr

Type K-II 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in polypropy-lene woofer and 3/4-in ferrofluid-cooled soft-dome tweeter. Biwire/biamp terminals. Adjustable cross-over points. Power handling 100 W cont; FR 70-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 2,700 Hz. Oak, dark oak, walnut, or black veneer finish. 11 x 18 x 9 in; 26 lb \$475/pr

K-II-v. As above, with magnetic shielding \$245

SNELL MULTIMEDIA

SUB-1800 Subwoofer

18-in cast-frame and driver in 4th-order vented en-closure. Features 3-in peak-to-peak excursion. FR 17-80 Hz; imp 8 ohms; sens 90 dB SPL/W/m. High-gloss black veneer. 21 1/2 x 45 x 16 1/2 in \$2,399

LCR-1800 2-Way Speaker

Two 8-in woofers and one 1-in tweeter. FR 80-20,000 Hz; min imp 4 ohms; sens 93 dB SPL/W/m \$1,399

SUR-800 3-Way In-Wall Speaker

Flush-mount dipole design with 5-in woofer, two 4 1/2-in cone midranges, and two 1-in aluminum-dome tweeters. FR 125-20,000 Hz; min imp 4 ohms; sens 85 dB SPL/W/m. Black brushed-aluminum finish. 25 3/8 x 12 x 3 1/2 in; 22 lb \$1,299

LCR-800 2-Way In-Wall Speaker

Two 6 1/2-in polypropylene-cone cast-frame woofers and two 3/4-in aluminum-dome tweeters. FR 80-20,000 Hz; imp 4.2 ohms; sens 89 dB SPL/W/m. Gold Iridite brushed aluminum. 12 x 21 3/8 x 3 3/8 in; 26 lb \$999

HCC-800. As above, optimized for horizontal place-ment \$999

SUB-800 In-Wall Subwoofer

Acoustic-suspension design with 12-in cast-frame driver. FR 20-80 Hz; imp 5.6 ohms; sens 90 dB SPL/W/m. 14 1/4 x 53 x 6 7/8 in; 70 lb \$799

LCR-500 2-Way Speaker

Two 6 1/2-in polypropylene woofers and two 3/4-in aluminum-dome tweeters. Designed for front place-ment in home-theater systems. Features magnetic shielding. FR 80-20,000 Hz; sens 89 dB; imp 8 ohms. High-gloss black veneer finish. 9 1/2 x 22 x 7 3/8 in; 35 lb \$799

HCC-500. As above, optimized for horizontal place-ment \$799

SUR-500 2-Way Center-Channel Speaker

Two 6 1/2-in polypropylene woofers and two 1-in alu-minum-dome tweeters with compact dipole design. Power handling 150 W cont avg; FR 125-20,000 Hz; sens 85 dB; imp 8 ohms. High-gloss black veneer finish. 9 1/2 x 16 1/2 x 7 3/4 in; 30 lb \$799

SUB-750 Subwoofer

Acoustic-suspension design with 12-in cast frame driver. FR 20-80 Hz; sens 90 dB SPL/W/m; imp 8 ohms. High-gloss black veneer finish. 18 3/4 x 23 x 11 1/2 in; 60 lb \$499

SONANCE

Sonance 45 2-Way In-Wall Speaker

Infinite-baffle design with 8-in polypropylene woofer and 1-in soft-dome tweeter. Die-cast woofer frame; 4th-order Butterworth crossover at 2,700 Hz. 3-posi-tion high-frequency switch. Power handling 100 W; FR 35-22,000 Hz ± 2 dB; sens 90 dB SPL/W/m; nom imp 8 ohms. Waterproofing available. 12 x 16 x 3 1/2 in; 12 lb \$695/pr

Sonance 40 2-Way In-Wall Speaker

Infinite-baffle design with 8-in polypropylene woofer and 1-in soft-dome tweeter. Features woofer with treated-urethane surround and screened basket; 3-position tweeter-level control. Power handling 75 W; FR 40-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; cross-over 18 dB/oct at 2,800 Hz; nom imp 8 ohms. Water-proofing available. 12 x 16 x 3 1/2 in \$525/pr

S P E A K E R S

AIS 500 2-Way In-Wall Speaker

Infinite-baffle design with 4-in polypropylene woofer, angled 1-in ferrofluid-cooled polycarbonate tweeter, and angled 3/2-in polypropylene full-range driver. Features 6-dB/octave low-pass crossover; 12-dB octave high-pass crossover. Power handling 75 W; FR 60-20,000 Hz \pm 5 dB; sensitivity 89 dB SPL/W/m; nom impedance 6 ohms; crossover point 3,200 Hz. 12 1/8 x 16 1/8 x 3 1/2 in \$499/pr

S3500 2-Way In-Wall Speaker

6 1/2-in polypropylene woofer and pivoting 1-in soft-dome tweeter with neodymium magnet. Features 3-position treble and bass level switches; low/high-pass crossover; screened woofer basket. Power handling 75 W max; FR 45-20,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; nom imp 8 ohms; crossover points 175 and 3,000 Hz. Includes bracket and metal or fabric grille; white. 8 1/8 x 12 1/4 x 3 in \$499/pr

MB30 2-Way Indoor/Outdoor Speaker

Acoustic-suspension design with 6 1/2-in filled polypropylene woofer and 1-in soft-dome tweeter. Features butyl woofer surround; 1 1/4-in voice coil; weather resistance. Power handling 110 W; FR 60-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; nom imp 8 ohms. Includes white or black hanging bracket; cloth or stainless-steel grilles; white/black ABS plastic enclosure. 8 3/8 x 13 x 8 1/2 in \$499/pr

PSW2 In-Wall Subwoofer

Infinite-baffle design with dual-voice-coil 8-inch driver. Features crossover with 3-position level control; LR inputs and outputs. Power handling 75 W; FR 30-125 \pm 3 dB; sens 87 dB SPL/W/m; nom imp 6 ohms; crossover point 125 Hz. White with cloth or metal grille. 12 x 16 x 3 1/2 in; 14 lb \$460

Sonance IIC 2-Way In-Wall Speaker

Infinite-baffle design with 6 1/2-in polypropylene woofer and 1-in soft-dome tweeter. Features woofer with treated-urethane surround and screened basket; 2-position level control; 12-dB/oct crossover at 3,000 Hz. Power handling 75 W; FR 45-20,000 \pm 2 dB; sens 88 dB SPL/W/m; nom imp 8 ohms. White ABS with cloth or metal grille. 9 x 12 x 3 1/4 in; 9 lb \$399/pr

MB20 2-Way Indoor/Outdoor Speaker

Acoustic-suspension design with 6 1/2-in polypropylene woofer and 1-in polycarbonate-dome tweeter. Features urethane-woofer surround; weather resistant components. Power handling 75 W; FR 65-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; nom imp 8 ohms. Includes white or black hanging bracket, cloth or stainless-steel grille. White/black ABS plastic enclosure. 8 3/8 x 13 x 8 1/2 in \$399/pr

SB31 2-Way Indoor/Outdoor Speaker

Sealed-box design with 4-in polypropylene woofer and 1-in soft-dome tweeter. Features weather resistant components. Power handling 50 W; FR 70-20,000 \pm 2 dB; sens 87 dB SPL/W/m; nom imp 6 ohms. Includes wall-hanging bracket. Cloth or stainless steel grille. 5 1/2 x 8 1/2 x 5 3/8 in \$325/pr

M30v 2-Way In-Wall Speaker

Infinite-baffle design with 4-in polypropylene woofer and 1-in polycarbonate fluid-damped tweeter. Features magnetic shielding. Power handling 60 W; FR 65-20,000 Hz \pm 2 dB; sens 88 dB SPL/W/m; nom imp 8 ohms. 6 1/2 x 9 1/8 x 3 in \$310/pr

S2R 2-Way In-Wall Speaker

Infinite-baffle design with 6 1/2-in polypropylene woofer and coaxially mounted, 1-in polycarbonate tweeter. Urethane woofer surround; screened woofer basket; mounting bracket with telescoping adjustment. Power handling 50 W; FR 65-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; nom imp 8 ohms. Cloth or metal grille. 9 7/8-in diameter x 3 1/2-in deep \$290/pr

S3R 2-Way In-Wall Speaker

6 1/2-in dual-voice-coil polypropylene woofer and coaxially-mounted, pivoting 1-in ferrofluid-cooled soft-dome tweeter with neodymium magnet. Power han-

dling 75 W; FR 45-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; nom imp 6 ohms. 9 7/8-in diameter x 3 1/2-in deep \$NA

Sonance II 2-Way In-Wall Speaker

Infinite-baffle design with 6 1/2-in polypropylene woofer and 1-in ferrofluid-damped polycarbonate tweeter. Treated-urethane woofer surround; screened woofer basket. Power handling 50 W; FR 55-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; nom imp 8 ohms; crossover 6 dB/oct at 3,200 Hz. White ABS with cloth or metal grille. 9 x 12 x 3 1/4 in; 8 lb \$265/pr

M20 2-Way In-Wall Speaker

Infinite-baffle design with 4-in polypropylene woofer and 3/4-in polypropylene fluid-damped tweeter. 1st-order crossover. Power handling 50 W; FR 70-20,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; nom imp 8 ohms; crossover point 3,500 Hz. 6 1/2 x 9 1/8 x 3 in \$230/pr

Sonance IA 2-Way In-Wall Speaker

Infinite-baffle design with 6 1/2-in polypropylene woofer and 2-in cone tweeter. Power handling 50 W; frequency response 70-17,000 Hz \pm 5 dB; sens 89 dB SPL/W/m; 6-dB/octave crossover at 3,000 Hz; nom impedance 8 ohms. White ABS with cloth or metal grille. 9 x 12 x 3 in \$195/pr

SB11 Indoor/Outdoor Speaker

Sealed-box design with 4-in polypropylene full-range driver. Features weather resistant components; ABS plastic cabinet. Power handling 45 W; FR 90-15,000 Hz \pm 5 dB; sens 85 dB SPL/W/m; nom imp 8 ohms. Wall-hanging bracket. White or black with cloth or stainless-steel grille. 5 1/2 x 8 1/8 x 5 3/8 in \$179/pr

M10 In-Wall Speaker

Infinite-baffle design with 4-in full-range polypropylene driver. Driver features urethane surround and paper whizzer. Power handling 45 W; FR 70-15,000 Hz \pm 5 dB; nom imp 8 ohms; sens 87 dB SPL/W/m. White ABS with cloth or metal grille. 6 1/2 x 9 1/4 x 2 1/2 in \$140/pr

M10R In-Wall Speaker

Infinite-baffle design with 4-in full-range polypropylene driver. Features movable speaker terminals. Power handling 45 W; FR 70-15,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; nom imp 8 ohms. 7 1/4-in diameter x 3 3/8-in deep \$155/pr

Mounts

Ball-Socket Mount. Aluminum and plastic; stainless-steel hardware. White or black finish. MB size \$130
SB size \$75
C Mounts. Single-axis mount; stainless-steel hardware. White or black MB size \$89
SB size \$50

Grilles

Stainless-Steel. For 45, 40, and PSW2 \$87
For IIC, II, and IA \$62
For M30v, M20, and M10 \$50
Metal/Cloth. For 45, 40, AIS and PSW2 \$63
For IIC, II, and IA \$53
For M30v, M20, and M10 \$42

Round Grilles

Stainless-Steel. For S2R \$65
For M10R \$50
Metal/Cloth. For S2R \$53
For M10R \$42

Round Mounting Brackets

S2R, 24 in \$53
S2R, 16 in \$45
M10R, 24-in \$43
M10R, 16-in \$35

SONY

SS-TL6 4-Way Speaker

Transmission-line design with 8-in woofer, 6 1/2-in midbass, 4-in midrange, and 1-in tweeter. Power

handling 150 W; imp 8 ohms. Black-oak vinyl veneer finish \$850/pr

SS-TL4 3-Way Speaker

Transmission-line design with 6 1/2-in woofer, 4-in midrange, and 1-in tweeter. Power handling 120 W; imp 8 ohms. Black-oak vinyl veneer finish \$480/pr

SS-U910 3-Way Speaker

12-in woofer, 5-in midrange, 1-in tweeter, and 12-in passive radiator. Power handling 200 W; imp 8 ohms. Oak finish with vinyl veneer \$420/pr

SS-CN3 Center-Channel Speaker

Bass-reflex design with two 4-in woofers and 1-in dome tweeter. Features adjustable tweeter angle. Power handling 150 W; imp 6 ohms. Gray PVC finish \$280/pr

SS-U610 3-Way Speaker

Acoustic-suspension design with 12-in woofer, 5-in midrange, and 1-in tweeter. Power handling 200 W; imp 8 ohms. Oak finish with vinyl veneer \$280/pr

SS-EX5 2-Way Bookshelf Speaker

8-in woofer and 3/4-in tweeter. Power handling 100 W; imp 8 ohms. Black-oak vinyl finish \$225/pr

SS-CR300 Surround Speaker System

2 acoustic-suspension surround speakers, each with one 5-in driver, and 1 center-channel speaker with two 4-in drivers. Power handling 50 W surround, 80 W center; FR 90-15,000 Hz surround, 80-15,000 Hz center; imp 8 ohms surround, 6 ohms center. Surround speaker: 8 x 6 1/2 x 6 1/2. Center speaker: 6 1/2 x 17 x 6 3/4 in \$200

SS-EX3AV 2-Way Bookshelf Speaker

5-in woofer and 3/4-in tweeter. Power handling 50 W; imp 8 ohms. Black-oak vinyl finish \$175/pr

SS-U3196 2-Way Bookshelf Speaker

Acoustic-suspension design with 6 1/2-in woofer and 2-in cone tweeter. Power handling 60 W. 2-yr parts-and-labor warranty. Honey-oak vinyl finish. 9 3/8 x 15 3/4 x 9 3/8 in; 11.3 lb \$140/pr

SS-U310 2-Way Speaker

6-in woofer and 1-in tweeter. Power handling 100 W; imp 8 ohms. Oak vinyl finish \$140/pr

Wireless Personal Speakers

IFS-50K Wireless Speaker System

2 speakers, transmitter, and receiver. Features 23-ft range; Dolby C NR; magnetic shielding; auto on/off power switching. Line-, speaker-, or headphone-level input. Operates on 8 D batteries or AC adaptor. FR 100-20,000 Hz \$350

IFS-20K Wireless Speaker System

2 speakers, transmitter, and receiver. Features auto on/off power switching. Line- or headphone-level input. Operates on 4 AA batteries per speaker. Includes speaker stands. FR 200-20,000 Hz \$250

SOTA

Time Domain Series

Model 4 3-Way Speaker

8-in Kevlar woofer and quasi-pyramid-shaped module with dual-voice-coil 7-in Kevlar driver and inverted-dome Kevlar tweeter mounted on sloping baffle. Features separate enclosure for woofer and mid/high drivers; 1 1/4-in cabinet walls; single/biwire and vertical bi/triamp terminals. Power handling 200 W max; sens 89 dB SPL/W/m; imp 8 ohms; FR 38-22,000 Hz \pm 3 dB. Brazilian rosewood, Macassar ebony. Mid/tweeter module: 12 x 16 1/2 x 11 1/2 in; 32 lb. Woofer enclosure: 11 1/2 x 32 x 16 in; 55 lb \$4,800/pr
Light, dark, or black oak \$3,200/pr
Model 2. As above, with single, dual-chamber enclosure. Rosewood or ebony. 14 x 40 x 16 in; 75 lb \$3,000/pr

S P E A K E R S

Light, dark, or black oak \$2,200/pr
Panorama. Mid/tweeter module only. Rosewood or ebony \$2,200/pr
 Light, dark, or black oak \$1,750/pr

Speaker Stand. Panorama module. Rosewood or ebony \$600/pr
 Light, dark, or black oak \$400/pr

SOUND ADVANCE

Sound Advance II Full-Range In-Wall Speaker

Designed to be invisible when installed in walls or ceilings. Features full-range planar-type drivers with 2 independent magnetic circuits. Power handling 75 W; FR 20-20,000 Hz. 5-yr warranty. 14 x 21 x 3 in. \$1,245/pr
 One speaker \$685

SOUND DYNAMICS

SD 500ti 3-Way Speaker

Bass-reflex design with two 8-in carbon-polypropylene woofers, 4 1/2-in polypropylene midrange, and 3/4-in titanium-dome tweeter. Biwire/biamp terminals; adjustable foot spikes. Power handling 275 W cont avg; FR 27-22,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; crossover points 1,000 and 3,000 Hz; imp 6 ohms. Black-ash or oak finish \$1,050/pr

SD 400ti 3-Way Speaker

Bass-reflex design with 10-in carbon-polypropylene woofer, 4 1/2-in polypropylene midrange, and 3/4-in titanium-dome tweeter. Biwire/biamp terminals; adjustable foot spikes. Power handling 250 W cont avg; FR 30-22,000 Hz \pm 2 dB; sens 88 dB SPL/W/m; crossover points 900 and 3,000 Hz; imp 6 ohms. Black-ash or oak finish. 13 x 33 x 11 in. \$800/pr

SD 300ti 3-Way Speaker

Bass-reflex design with 8-in carbon-polypropylene woofer, 4 1/2-in polypropylene midrange, and 3/4-in titanium-dome tweeter. Power handling 175 W cont avg; FR 34-22,000 Hz \pm 2 dB; sens 87 dB SPL/W/m; crossover points 900 and 3,000 Hz; imp 6 ohms. Black-ash or oak finish. 11 x 24 x 11 in. \$600/pr
 SST-13. 13-in metal stand \$100/pr

ASUB-12 Powered Subwoofer

Dual-rear-ported design with 12-in driver; 90-W power amp. Line- and speaker-level inputs; EQ switch; low-pass filter adjustable from 50-130 Hz. Black-ash finish. 18 x 18 x 20 in. \$500

SD 200ti 2-Way Bookshelf Speaker

Bass-reflex design with 8-in carbon-polypropylene woofer and 3/4-in titanium-dome tweeter. Power handling 150 W cont avg; FR 40-21,000 Hz \pm 2 dB; sens 87 dB SPL/W/m; crossover point 1,800 Hz; imp 6 ohms. Black-ash or oak finish. 11 x 20 x 9 in. \$450/pr
 SST-21. 21-in metal stand \$120/pr

SD 100ti 2-Way Bookshelf Speaker

Bass-reflex design with 6 1/2-in carbon-polypropylene woofer and 3/4-in titanium-dome tweeter. Power handling 125 W cont avg; FR 45-21,000 Hz \pm 2 dB; sens 86 dB SPL/W/m; crossover point 1,900 Hz; imp 6 ohms. Black-ash or oak finish. 10 x 16 x 9 in. \$300/pr
 SST-25. 25-in metal stand \$130/pr

SD 50ti 2-Way Bookshelf Speaker

Bass-reflex design with 5 1/4-in carbon-polypropylene woofer and 3/4-in titanium-dome tweeter. Power handling 80 W cont avg; FR 55-20,000 Hz \pm 2 dB; sens 85 dB SPL/W/m; crossover point 2,000 Hz; imp 6 ohms. Black-ash or oak finish. 7 x 12 x 8 in. \$220/pr
 SST-25. 25-in metal stand \$130/pr

Home Theater Series

Cinesat-2 2-Way Satellite Speaker

Acoustic-suspension design with 4 1/2-in polypropylene woofer and 1/2-in titanium-polycarbonate tweeter. Power handling 125 W cont avg; FR 140-22,000 Hz \pm 3 dB; sens 86 dB SPL/W/m; crossover point 2,500

Hz; imp 6 ohms. 8 x 5 x 5 in; 5 lb \$249/pr
API SST-25. 25-in metal stand \$130/pr
API Wall Mount Bracket \$40/pr

Cinesub Subwoofer

Fourth-order vented band-pass design with 6 1/2-in driver. Power handling 125 W cont avg; FR 50-140 Hz \pm 3 dB; sens 86 dB SPL/W/m; crossover point 140 Hz; imp 4 ohms. Black-ash vinyl veneer. 7 x 13 x 17 in. \$199

Cinecenter Center-Channel Speaker

Dual-vented design with two 4 1/2-in woofers and 1/2-in polycarbonate flared-dome tweeter mounted in sloped baffle. Power handling 100 W cont avg; sens 86 dB SPL/W/m; crossover point 2,500 Hz; imp 8 ohms. Black-ash vinyl veneer \$149

SOUND INTERIORS

The Dense Fiber Board (DFB) finish is available in any color.

WSW-1001 Subwoofer

12-in dual-voice-coil woofer. Features gold-plated inputs. Power handling 200 W rms; FR 20-120 Hz; sens 89 dB SPL/W/m; imp 4 ohms; crossover point 120 Hz. Oak or finish. 14 1/2 x 14 1/2 x 14 1/2 in. \$600

WS-200 2-Way In-Wall Speaker

Two 5 1/4-in rubber-surround woofers and 1-in cloth-dome tweeter. Features port; 18-dB/oct crossover; gold-plated inputs. Power handling 100 W rms; FR 40-20,000 Hz; sens 90 dB SPL/W/m; imp 4 or 8 ohms; crossover point 2,500 Hz. 8 3/8 x 20 3/8 x 3 1/8 in. \$495
WS-100. As above, with one woofer. Power handling 70 W rms; FR 62-20,000 Hz; sens 89 dB SPL/W/m; crossover point 2,800 Hz at 12-dB/oct \$300

BS-200 2-Way Bookshelf Speaker

6 1/2-in rubber-surround woofer and aluminum-dome tweeter. Gold-plated inputs; 18-dB/oct crossover. Power handling 100 W cont; FR 35-20,000 Hz; sens 90 dB SPL/W/m; imp 4 or 8 ohms; crossover point 3,500 Hz. Oak or finish. 10 x 14 1/4 x 11 1/2 in. \$425
BS-100. As above, with 5 1/4 woofer and cloth-dome tweeter. Power handling 70 W cont; FR 52-20,000 Hz; sens 88 dB SPL/W/m; crossover point 2,800 Hz with 12-dB/oct slope. 8 1/2 x 12 x 10 in. \$275

W-50 2-Way In-Wall Speaker

6 1/2-in woofer and 1-in dome tweeter. FR 42-22,000 Hz; Power handling 75 W; imp 6 or 8 ohms; sens 88 dB SPL/W/m; crossover point 2,300 Hz \$175

SOUND-LAB

The following are available in oiled-walnut and oak with a black-knit or white-linen grille.

A-6 Electrostatic Speaker

Full-range electrostatic design with 72 x 40-in woofer element and 61 x 4-in tweeter. FR 22-22,000 Hz \pm 2 dB; sens 86 dB SPL/W/m; nom imp 8 ohms; crossover point 750 Hz. 44 x 81 x 5 in; 210 lb \$14,985/pr

A-1 Electrostatic Speaker

Full-range electrostatic design with single curved element. FR 30-22,000 Hz \pm 2 dB; sens 84 dB SPL/W/m; imp 8 ohms. 35 x 81 x 11 in; 185 lb. \$10,956/pr

A-5 Electrostatic Speaker

Full-range electrostatic design with single curved element. Features wave-delay panels. FR 34-22,000 Hz \pm 2 dB; sens 84 dB SPL/W/m; nom imp 8 ohms. 28 x 72 x 8 in; 152 lb \$7,990/pr

A-3 Electrostatic Speaker

Full-range electrostatic element with single curved element. Sens 84 dB SPL/W/m; nom imp 8 ohms. 35 x 73 x 11 in; 145 lb \$7,990/pr

B-1 Electrostatic Subwoofer

Dual-membrane electrostatic design with dual-mono configuration. FR 20-350 Hz \pm 2 dB; sens 86 dB SPL

W/m; nom imp 16 ohms; crossover point 350 Hz. 44 x 81 x 5 in; 220 lb \$6,725
B-3. As above, 44 x 73 x 5 in; 210 lb \$6,725

B-5 Electrostatic Subwoofer

Single-membrane electrostatic design with dual-mono configuration. FR 22-350 Hz \pm 2 dB; sens 84 dB SPL/W/m; nom imp 50 ohms; crossover point 350 Hz. 57 x 72 x 28 in; 185 lb \$5,880

A-4 Electrostatic Speaker

Full-range electrostatic design with 61 x 20-in woofer element and 61 x 4-in tweeter element. FR 32-22,000 Hz \pm 2 dB; sens 86 dB SPL/W/m; nom imp 8 ohms; crossover point 750 Hz \$4,975/pr

Pristine Electrostatic Speaker

Full-range electrostatic design. 100 W; FR 34-22,000 Hz \pm 2 dB; sens 88 dB SPL/W/m; nom imp 8 ohms; 60 x 28 x 27 in; 100 lb \$3,990

A-2X Electrostatic Speaker

Full-range electrostatic design with 48 x 20-in woofer element and 48 x 4-in tweeter element. FR 34-22,000 Hz \pm 2 dB; sens 86 dB SPL/W/m; imp 8 ohms; crossover point 750 Hz. 28 x 57 x 3 in; 88 lb \$3,840/pr

Dynastat Hybrid Electrostatic Speaker

Hybrid design with 10 1/2-in woofer element and 48 x 10-in tweeter element. FR 28-22,000 Hz \pm 2 dB; sens 88 dB SPL/W/m; nom imp 8 ohms; crossover point 150 Hz. 17 x 72 x 3 in; 75 lb \$2,735/pr

Accessories

A-1 Acoustic Delay Panels. Passive baffle designed to enhance bass response of A-1. 24 x 80 x 3/4 in; 115 lb. Walnut finish \$1,566/pr
 Oak finish \$1,242/pr

A-3 Acoustic Delay Panels. As above, for A-3. 24 x 73 x 3/4 in; 110 lb. Walnut finish \$1,350/pr
 Oak finish \$1,050/pr

SOUNDSMITH

Time Lord Model 1B 3-Way Speaker

Four 6-in midbasses, two 1-in metal-dome tweeters, and planar magnetic super tweeter. Features biwire/biamp terminals. Power handling 500 W cont; FR 38-59,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 3,000 and 8,600 Hz. Oak finish with black cloth and high-gloss lacquer accents. 12 x 75 x 14 in; 150 lb \$5,320/pr

Time Continuum Model 2.5B 3-Way Speaker

6-in woofer, passive radiator, 1-in tweeter, and planar magnetic driver. Features biamp/biwire terminals. Power handling 60 W cont; frequency response 45-46,000 Hz; sens 91 dB SPL/W/m; Impedance 8 ohms; crossover points 3,000 and 10,000 Hz. 12 x 55 x 11 1/2 in; 72 lb \$3,900/pr

S.W.T. 1 Subwoofer

Tower design with 15-in driver. Power handling 250 W cont; FR 24-125 Hz; sens 94 dB SPL/W/m; imp 8 ohms. 10 x 75 x 21 in; 185 lb \$3,799/pr

Galifrey Model .5B 2-Way Speaker

6 1/2-in woofer and 1-in tweeter. Biamp/biwire terminals. Power handling 500 W cont; sens 89 dB SPL/W/m; imp 4 ohms; crossover point 3,000 Hz. Oak finish with black acoustic cloth and high-gloss lacquer finish. 8 x 42 x 15 in; 75 lb \$3,550/pr

Brigadier Model 2.0B 2-Way Speaker

Two 5-in polycone woofers and 1-in metal-dome tweeter. Biamp/biwire terminals. Power handling 250 W cont; FR 41-26,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. 6 1/2 x 31 1/2 x 10 in; 45 lb \$2,910/pr

Unit Model .25B 2-Way Speaker

6 1/2-in woofer and 1-in tweeter. Biwireable. Power handling 200 W cont; FR 45-26,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,000

S P E A K E R S

Hz. 9 1/2 x 18 x 13 1/2 in; 28.5 lb \$2,140/pr

Tiegan Model 1.5B 2-Way Speaker

8-in poly woofer and 1-in soft-dome tweeter. Biamp/biwire terminals. Power handling 200 W cont; FR 32-22,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. 14 1/2 x 4 1/2 x 14 1/2 in; 58 lb \$1,990/pr

S.W.T. 2 Subwoofer

Tower design with 8-in driver. Power handling 250 W cont; FR 29-150 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 8 x 55 x 15 in; 110 lb \$1,535/pr

S.W.L. 2.0 Subwoofer \$890/pr

Matching Stands

S 2.25 Stand. Speaker stand for Model 2.0B and Model .25B. High-gloss black-lacquer finish. 10 x 23 x 14 in \$316

SOUNDSTREAM

Granite 15 In-Wall Subwoofer

Infinite-baffle design with 15-in driver. Features high-temperature copper voice coil with Kapton former; plastic-encapsulated steel basket; polymer-laminate paper cone. Power handling 300 W max; FR 20-500 Hz \pm 3 dB; sens 92 dB W/m; imp 4 ohms. \$250

Granite 12 In-Wall Subwoofer

Infinite-baffle design with 12-in driver. Features high-temperature voice coil with vented Kapton former. Power handling 250 W max; FR 33-500 Hz \pm 3 dB; sens 96 dB SPL/W/m; imp 4 ohms. 5 1/2-in mounting depth \$200

Granite 10 In-Wall Subwoofer

Features 10-in driver. Power handling 200 W max; FR 37-500 Hz \pm 3 dB; sens 93 dB SPL/W/m; imp 4 ohms. 4 1/2-in mounting depth \$155

SOUNDWAVE

The following feature a 5-year warranty.

Grand Soliloquy II 2-Way Speaker

Four 8-in woofers and two 1-in tweeters. Frequency response 29-21,000 Hz \pm 3 dB; sens 90 dB; impedance 7 ohms; crossover point 2,000 Hz. 14 x 45 1/2 x 19 in; 85 lb \$3,600/pr

Soliloquy II 2-Way Speaker

Two 8-in woofers and two 1-in tweeters. Frequency response 39-21,000 Hz \pm 3 dB; sens 90 dB; impedance 5 ohms; crossover point 2,000 Hz. 12 x 39 1/2 x 16 in; 60 lb \$2,500/pr

Sonata II. As above, FR 49-21,000 Hz \pm 3 dB. 12 x 37 x 16 in; 55 lb \$1,790/pr

VR-3. As above, FR 31-21,000 Hz \pm 3 dB. 10 x 42 x 11 in; 60 lb \$1,495/pr

Silhouette II. As above, FR 59-21,000 Hz \pm 3 dB. 12 x 21 x 16 in; 42 lb \$1,250/pr

VR-2 2-Way Speaker

Two 8-in woofers and one 1-in tweeter. FR 37-21,000 Hz \pm 3 dB; sens 89 dB; imp 5 ohms; crossover point 2,400 Hz. 10 x 39 x 11 in; 50 lb \$1,195/pr

Sonnet 2-Way Speaker

8-in woofer and 1-in tweeter. FR 45-21,000 Hz \pm 3 dB; sens 88 dB; imp 7 ohms; THD 1%; crossover point 2,400 Hz. 10 x 35 x 11 in; 42 lb \$895/pr

SPEAKERLAB

Auricle RD50 2-Way In-Wall Speaker

Infinite-baffle design with 12-in woofer and 3-in x 50-in ribbon tweeter. Power handling 275 W max; FR 21-20,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; crossover point 150 Hz; imp 8 ohms. White. Grille: 5 x 53 x 1 1/4 in (RD50); 17 3/4 x 17 3/4 in (W1258PI). 60 lb \$2,495

RD50 Ribbon Speaker. As above, without subwoofer. FR 150-20,000 Hz \pm 3 dB; imp 4 ohms. 4 1/2 x 50 1/2 in \$499

W1258PI In-Wall Subwoofer. As Auricle, without tweeter. FR 21-150 Hz \pm 3 dB \$600/pr

Aria 2-Way Ribbon Speaker

Vented design with 8-in woofer and 3-in x 50-in ribbon tweeter. FR 32-20,000 \pm 3 dB; sens 87 dB SPL/W/m; crossover point 225 Hz \$1,350/pr

DAS 7 4-Way Speaker

Bass-reflex design with 12- and 10-in woofers, 6 1/2-in cone midrange, and 1-in dome tweeter. FR 25-20,000 Hz; sens 93 dB SPL/W/m; crossover points 180, 350, and 4,000 Hz; imp 4 ohms \$1,028/pr

Kit \$799/pr

DAS 6 3-Way Speaker

Bass-reflex design with 10- and 8-in woofers, and 1-in dome tweeter. FR 30-20,000 Hz; sens 93 dB SPL/W/m; crossover points 180 and 2,500 Hz \$828/pr

Kit \$600/pr

RD75 Ribbon Speaker

3-in x 50-in ribbon tweeter. FR 150-20,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; crossover point 150 Hz; imp 5 ohms. Black. 4 1/2 x 75 1/2 in \$799

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S P E A K E R S

ST4 3-Way Speaker

Band-pass design with 8-in woofer, 5-in cone mid-range, and 3/4-in aluminum-dome tweeter. FR 25-20,000 Hz; sens 89 dB SPL/W/m; crossover points 150 and 3,000 Hz; imp 4 ohms. Oiled-oak finish. 10 x 37 x 12 in; 60 lb \$749/pr

DAS 5 3-Way Speaker

Bass-reflex design with 8- and 6 1/2-in woofers and 1-in dome tweeter. FR 34-20,000 Hz; sens 92 dB SPL/W/m; crossover points 180 and 2,500 Hz; imp 4 ohms. Oiled-oak finish. 11 x 31 x 13 in; 47 lb \$628/pr

ST3 3-Way Speaker

Band-pass design with 6 1/2-in woofer, 5-in cone mid-range, and 3/4-in aluminum-dome tweeter. FR 30-20,000 Hz; sens 86 dB SPL/W/m; crossover points 150 and 3,000 Hz; imp 4 ohms. Oiled-oak finish. 9 x 33 x 11 in; 50 lb \$599/pr

DAS 4 2-Way Speaker

Bass-reflex design with 8-in woofer and 3/4-in dome tweeter. FR 36-20,000 Hz; sens 90 dB SPL/W/m; crossover point 2,500 Hz; imp 8 ohms. Oiled-oak finish. 10 x 28 x 12 in; 39 lb \$428/pr
Kit \$349/pr

DAS 3 2-Way Speaker

Bass reflex design with 6 1/2-in woofer and 3/4-in dome tweeter. FR 42-20,000 Hz; sens 89 dB SPL/W/m; crossover point 2,500 Hz; imp 8 ohms. Oiled-oak finish. 8 x 21 x 10 in; 23 lb \$329/pr
Kit \$279/pr

DAS 2 2-Way Speaker

Bass-reflex design with 5-in woofer and 3/4-in dome tweeter. FR 50-20,000 Hz; sens 88 dB SPL/W/m; crossover point 2,500 Hz; imp 8 ohms. Oiled-oak finish. 7 x 13 x 9 in; 13 lb \$229/pr
Kit \$189/pr

Subwoofers

SL88 Subwoofer

Band-pass design with two 8-in drivers. FR 22-150 Hz; sens 91 dB SPL/W/m; imp 4 ohms. Oiled-oak finish. 16 x 14 x 23 in; 70 lb \$359

DAS/SW Subwoofer

Bass-reflex design with 10-in woofer. FR 25-180 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Oiled-oak finish. 18 x 18 x 18 in; 62 lb \$329
Kit \$240

SPECO

SP-602 2-Way Mini Speaker

6-in polypropylene woofer and 1-in Mylar tweeter. Power handling 50 W; FR 50-20,000 Hz; sens 90 dB SPL/W/m; crossover point 3,000 Hz. 8 5/8 x 12 x 3 1/4 in; 4 lb \$150

DMS-6 3-Way Mini Speaker

5-in woofer, 2-in cone tweeter, and 1-in dome tweeter. Power handling 60 W; FR 55-22,000 Hz. Black finish with plastic wire-mesh grille. 6 1/8 x 8 7/8 x 5 1/4 in; 5 lb \$140/pr

DMS-3P 4-Way Mini Speaker

4 1/8-in polypropylene woofer, 2-in midrange, 2-in tweeter, and 1-in dome tweeter. Power handling 100 W; FR 55-20,000 Hz. Black or white finish. 4 1/2 x 7 1/4 x 4 3/8 in \$120/pr
DMS-3TS. As above, with built-in line transformer \$90

DMS-3 3-Way Mini Speaker

4 1/8-in polypropylene woofer, 2-in cone midrange, and 1-in dome tweeter. Power handling 50 W; FR 55-20,000 Hz. Black or almond finish. 4 1/2 x 7 1/4 x 4 3/8 in \$108/pr

DMS-2 2-Way Mini Speaker

3 1/2-in polypropylene woofer, 2-in cone tweeter. Power handling 30 W; FR 60-20,000 Hz \$80/pr

SP502 2-Way Speaker

5 1/4-in polypropylene woofer, 3/4-in Mylar tweeter. Power handling 30 W; FR 40-20,000 Hz; sens 90 dB SPL/W/m; crossover point 2,500 Hz \$75

SPICA

Angelus 2-Way Speaker

Mirror-imaged system with 8-inch plastic-cone woofer and 1-inch soft-dome tweeter. Features computer-optimized crossover; adjustable carpet spikes. Power handling 200 W max; FR 35-17,500 Hz ± 3 dB; imp 8 ohms; crossover 3,400 Hz. Walnut or oak finish. 21 x 46 x 10 1/4 in; 57 lb \$1,275/pr

TC-50 2-Way Bookshelf Speaker

Acoustic-suspension design with 6 1/2-inch cone woofer and 1-inch dome tweeter. System said to be within 15° of absolute phase from 350-5,000 Hz due to triangular cabinet. Power handling 50 W cont avg; FR 58-16,500 Hz ± 3 dB; sens 83 dB SPL/W/m; imp 4 ohms; crossover point 2,500 Hz. Oak, walnut, or black finishes. 13 x 15 1/2 x 11 3/4 in; 21 lb \$550/pr

SC-30 2-Way Bookshelf Speaker

8-in woofer and 1 1/2-in polypropylene-cone tweeter in 1-cubic-foot sealed enclosure. Computer-optimized 3rd-order crossover-network; Straight Wire internal wiring. 5-way binding posts. Power handling 100 W max; FR 54-27,000 Hz ± 0, -3 dB. Walnut or black vinyl finish. 10 x 23 x 11 3/4 in; 28 lb \$399/pr

STAX

ELS-F83X Electrostatic Speaker

Doubly stacked full-range electrostatic driver. Features signal-delay device; overload protection. Power handling 180 W max; FR 35-25,000 Hz; sens 80 dB; imp 4 ohms. Oiled teak panel. 19 1/4 x 78 5/8 x 14 in; 82 lb \$16,995/pr

ELS-F81X Electrostatic Speaker

Full-range single element construction, electrically divided into 3 vertical sections. Features tiltable panel to modify vertical dispersion. Power handling 180 W max; FR 40-21,000 Hz; sens 76 dB; imp 3 ohms. Oiled teak baffle. 18 x 44 x 11 in; 51 lb \$9,995/pr

SUMIKO

Extrema 3-Way Speaker

7 7/8-in woofer with 3-in voice coil, 1 1/8-in soft dome tweeter, and passive radiator. Features 6-dB/oct crossover without capacitors. Power handling 2,000 W; sens 88 dB; imp 4 ohms. Black-satin lacquer finish or solid walnut cabinets. 10 5/8 x 21 3/8 x 17 7/8 in; 177 lb \$12,500

Electa Amator 2-Way Speaker

Low Q-reflex system design with 7 1/4-in woofer and 1 1/8-in dome tweeter. Power handling 200 W; FR 45-30,000 Hz ± 3 dB; imp 8 ohms; sens 88 dB. Brazilian- and Italian-walnut or gloss-black lacquer. 8 7/8 x 14 7/8 x 14 in; 33 lb \$4,500

Electa 2-Way Speaker

Bass-reflex design with 7 1/4-in woofer and 1 1/8-in magnetic-oil dome tweeter. Power handling 200 W; FR 50-20,000 Hz ± 3 dB; imp 8 ohms; sens 88 dB. Solid Italian walnut cabinet. 10 7/8 x 15 1/4 x 9 5/8 in; 27 lb \$2,500

Minima 2-Way Speaker

4 3/8-in driver with cellulose-acrylate cone and 1 1/8-in ferrofluid-cooled silk-dome tweeter. Features 6-dB/oct crossover; gold-plated connecting plugs. Power handling 100 W max; sens 84 dB; imp 8 ohms. Walnut cabinet. 8 x 12 5/8 x 9 5/8 in; 33 lb \$1,800

Minuetto 2-Way Speaker

6 3/4-in cellulose-acrylate cone woofer and 1-in ferrofluid-cooled silk-dome tweeter. Features 6-dB/oct crossover; gold-plated binding posts. Power handling 120 W max; sens 88 dB; imp 8 ohms. Walnut cabinet. 9 1/4 x 14 x 11 1/4 in; 44 lb \$1,500

S P E A K E R S

SUPERIOR AUDIO

SX-1 Powered Bookshelf Subwoofer

Compact, ported design with downward-firing 5 1/4-in woofer and 15-W power amp. Features variable 72-250 Hz crossover point; thermal protection; subsonic filter. For use with bookshelf systems or personal stereos; gold-plated line- and speaker-level inputs; crossover and level controls. Sub: FR 40-250 Hz \pm 3 dB; sens 88 dB SPL/W/m. Amp: SN 82 dB; dynamic headroom 1.25 dB. Black, molded-plastic with 1-in legs. 3-yr warranty. 8 x 8 x 8 in. \$249

SYMDX

Epsilon Signature 3-Way Speaker

Vented design with 10-inch Neoflex cone woofer, 7-inch dual-voice-coil Neoflex midrange, and ferrofluid-cooled 1-inch aluminum-dome tweeter. Features polypropylene capacitors. Power handling 250 W; frequency response 25-20,000 Hz; sensitivity 88 dB SPL/W/m; impedance 8 ohms; crossover points 100 and 2,300 Hz. Oak or black-lacquer formica. 13 x 4 1/2 x 13 in. \$3,450/pr

Gamma Signature 2-Way Speaker

Vented design with 7-inch dual-voice-coil Neoflex cone woofer and 1-inch ferrofluid-cooled aluminum-dome tweeter. Features cross bracing; polypropylene capacitors. Power handling 150 W; frequency response 45-20,000 Hz; sens 88 dB SPL/W/m; impedance 8 ohms; crossover point 2,300 Hz. Oak or black-lacquer formica. \$1,750/pr

SYNTHESIS

Reference Speaker System

Five-piece system with 2 subwoofer columns, each with two 10-in drivers, and 3 satellites, each with 7-in midrange/high-frequency unit, 1-in dome tweeter, and leaf supertweeter. Includes active crossover. Power handling 250 W cont avg; FR 22-32,000 Hz \pm 2 dB; sens 91 dB SPL/W/m; imp 8 ohms. Golden-oak finish. Sub columns: 14 x 69 x 14 in. Satellites: 10 x 44 x 10 in. \$7,350

LM 310 3-Way Speaker

10-in woofer, 7-in midrange, and 1-in dome tweeter. Power handling 200 W cont avg; frequency response 25-20,000 Hz \pm 2 dB; sens 91 dB SPL/W/m; impedance 8 ohms. Light or dark-oak cabinet. 13 3/4 x 4 1/2 x 14 1/2 in; 70 lb. \$3,250/pr

LM 260 2-Way Speaker

Ported design with 8-in polypropylene woofer and 1-in dome tweeter. Power handling 100 W cont avg; FR 41-20,000 Hz \pm 2 dB; sens 91 dB SPL/W/m; imp 8 ohms. Light or dark-oak cabinet. 12 x 39 1/2 x 11 in; 50 lb. \$1,695/pr

LM 210 2-Way Speaker

Ported design with 6 1/2-in polypropylene woofer and 1-in dome tweeter. Power handling 80 W cont; FR 46-20,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. Light or dark-oak cabinet. 10 1/2 x 33 1/2 x 10 1/2 in. \$1,195/pr

TADDEO

System Two Subwoofer/Satellite System

2 Monitor Ones, and 2 subwoofers, each with 10-in polymer drivers; active crossover. Power handling 150 W cont avg; FR 19-22,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 6-8 ohms; crossover points 70 and 2,500 Hz. Natural oak or black. Sub: 15 x 23 x 15 in; 56 lb. Monitor: 9 x 42 1/2 x 11 in; 74 lb. Crossover: 3 x 17 x 9 in; 9 lb. \$4,095

Monitor One 2-Way Speaker

6 1/2-in polymer woofer and 1-in ferrofluid-cooled soft-dome tweeter. Features 1st-order crossover; 5-way binding posts. Power handling 150 W rms; FR 44-22,000 \pm 3 dB; sens 92 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. Natural oak or black. 9 x 40 1/2 x 10 3/4 in; 58 lb. \$1,495/pr

TANNOY

Tannoy Sixes Series

The following feature a hard-wired crossover with biwire/biamp terminals, high-purity-copper connecting cables, and mineral-loaded copolymer end caps. Models 615, 613, 611, and 609 feature dual-concentric drivers in which tweeter element is in center of woofer, an injection-molded polyolefin copolymer woofer cone and a copper voice coil edge wound on a Kapton former. Models 607, 605, and 603 feature a discrete aluminum tweeter and magnetic-liquid damping and cooling. All models are available in a black ash or walnut finish; stands are optional.

Model 615 3-Way Speaker

8-In full-range driver, 8-in dual-concentric midrange/tweeter, and 8-in passive cone. Features 1st-order low-pass crossover; gold-plated terminals. Power handling 170 W cont avg; frequency response 45-30,000 Hz \pm 3 dB; sens 92 dB; impedance 6 ohms; crossover points 400 and 2,500 Hz. 12 3/8 x 38 x 8 7/8 in; 46 lb. \$1,600/pr

Model 613. As above, 6 1/2-in driver and passive cone. Power handling 150 W cont avg; FR 55-30,000 Hz \pm 3 dB; sens 90 dB. 35 1/8 x 10 7/8 x 7 3/8 in; 33 lb. \$1,200/pr

Model 611 3-Way Speaker

Sealed-box design with 8-in woofer and 8-in dual-concentric midrange/tweeter. Features 1st-order low-pass crossover; gold-plated terminals. Power handling 150 W cont avg; FR 45-30,000 Hz \pm 3 dB; sens 91 dB; imp 6 ohms; crossover points 400 and 2,500 Hz. 12 3/8 x 27 1/4 x 8 7/8 in; 33 lb. \$900/pr

Model 609 2-Way Bookshelf Speaker

Ported design with 8-in dual-concentric full-range driver. Features 1st-order low-pass crossover; gold-plated terminals. Power handling 120 W cont avg; FR 46-30,000 Hz \pm 3 dB; sens 89 dB; imp 8 ohms; crossover point 2,500 Hz. 12 3/8 x 19 1/2 x 8 7/8 in; 22 lb. \$700/pr

Model 607 2-Way Bookshelf Speaker

Ported design with 8-in woofer and 1-in dome tweeter. 1st-order high-pass crossover. Power handling 100 W cont avg; FR 50-30,000 Hz \pm 3 dB; sens 88 dB; imp 8 ohms; crossover point 3,000 Hz. 12 3/8 x 19 1/2 x 8 7/8 in; 20 lb. \$600/pr

Model 605. As above, 6 1/2-in woofer. Power handling 90 W cont avg; FR 55-30,000 Hz \pm 3 dB; sens 87 dB. 10 3/4 x 15 3/8 x 7 1/4 in; 15 lb. \$400/pr

Model 603. As above, 5-in woofer. Power handling 70 W cont avg; FR 60-30,000 Hz \pm 3 dB; sens 86 dB; imp 6 ohms; crossover point 3,500 Hz. 8 1/2 x 13 x 5 in; 9 lb. \$300/pr

TARA LABS

Time Passage 2-Way Speaker

Bass-reflex design with two 7-in woofers and one 1-in tweeter. Features separate enclosures and internal bracing; 2nd-order crossover; bottom cabinet for lead shot or sand; biwire/biamp terminals; internal wiring with Space & Time Quantum Cable; gold-plated binding posts. Power handling 250 W max; sens 92 dB SPL/W/m; crossover point 3,600 Hz. 10 x 14 x 40 in. \$1,195/pr

TC AUDIO

Subwoofer/Satellite 3 System

Subwoofer with 10-in dual-voice-coil driver in dual-chamber enclosure, and 2 satellites, each with 5 1/4-in polymer midbass and 1-in soft-dome tweeter. Power handling 150 W cont avg; FR 57-20,000 \pm 3 dB; sens 90 dB SPL/W/m; imp 6 ohms. Black finish. Includes wall/stand mount for satellites. Sat: 6 x 9 x 6 3/8 in. Sub: 19 1/4 x 8 x 14 in; 42 lb. \$500

Sat 1 Satellite Speaker

Two 5 1/4-in midbass and 1-in soft-dome tweeter. Power handling 200 W cont avg; FR 100-20,000 Hz

\pm 3 dB; sens 93 dB SPL/W/m; imp 4 ohms. Hardwood veneer or satin black-lacquer finish. Wall/stand mount included. 6 1/4 x 18 x 15 7/8 in; 14 lb. \$499/pr

Sub 10 Subwoofer

Ported design with 10-in copolymer dual-voice-coil driver. Power handling 200 W cont avg; FR 32-100 Hz \pm 3 dB; sens 93 dB SPL/W/m; imp 4 ohms. Hardwood-veneer finish. 15 7/8 x 18 x 15 7/8 in; 42 lb. \$399

Sat 2 Satellite Speaker

5 1/4-in midbass and 1-in soft-dome tweeter. Power handling 150 W cont; FR 100-20,000 Hz \pm 3 dB; sens 93 dB SPL/W/m; imp 4 ohms. Hardwood veneer or satin black-lacquer finish. Wall/stand mount included. 6 1/4 x 9 5/8 x 5 7/8 in; 9 lb. \$350/pr

TC Series

TC 28 2-Way Speaker

8-in copolymer woofer and 1-in soft-dome tweeter. Power handling 150 W cont avg; FR 53-20,000 Hz \pm 3 dB; sens 92 dB; imp 4 ohms. Hardwood veneer or satin black-lacquer finish. 9 1/2 x 18 3/8 x 10 3/8 in; 24 lb. \$400/pr

TC 310 3-Way Speaker

10-in copolymer woofer, 10-in rear-mounted passive radiator, 5 1/4-in midrange, and 1-in soft-dome tweeter. Power handling 200 W cont avg; FR 30-20,000 Hz \pm 3 dB; sens 91 dB; imp 4 ohms. Hardwood veneer or satin black-lacquer finish. 13 x 32 x 13 3/4 in; 50 lb. \$350

TC 25 2-Way Speaker

5 1/2-in polymer woofer and 1-in soft-dome tweeter. Power handling 75 W cont avg; FR 59-20,000 Hz \pm 3 dB; sens 92 dB; imp 4 ohms. Hardwood veneer or satin black-lacquer finish. Wall/stand mount included. 7 x 13 x 10 1/8 in; 34 lb. \$250/pr

Architectural Systems

WSub D10 Subwoofer

Dual chamber design with 10-in dual-voice-coil driver. Power handling 150 W cont avg; FR 57-100 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 4 ohms. For ceiling, floor, or wall application. Fire/weather resistant finish. 19 1/4 x 8 x 14 in; 15 lb. \$295

WS52-DX 2-Way In-Wall Speaker

5 1/4-in polymer woofer and 1-in soft-dome tweeter. Power handling 150 W cont avg; FR 45-20,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 4 ohms. Paintable metal grille. 6 1/2 x 10 1/4 x 3 3/8 in; 6 lb. \$240/pr

WS52 SX 2-Way In-Wall Speaker

5 1/4-in polymer woofer and 1/2-in fluid-cooled hard-dome tweeter. Power handling 100 W cont avg; FR 45-20,000 Hz \pm 3 dB; sens 92 dB; imp 4 ohms. Paintable metal grille. 6 1/2 x 10 1/4 x 3 3/8 in. \$180/pr

Accessories

SS27 Speaker Stand. 27-in stand for Sat 1, Sat 2, Sat 3, and TC 25. \$80/pr

SS13 Speaker Stand. 13-in stand for TC 28; adjustable top plate. \$60/pr

WCab 52 Wall/Ceiling Cabinet. For WS52 SX or DX. Features Medite construction; fire/weather resistant finish. 14 1/4 x 19 1/4 x 3 1/4 in; 15 lb. \$50/pr

TDL

Reference Standard 4-Way Speaker

Dual-transmission-line design with two 12 x 8 1/4-in biradial woofers, two 6-in doped-polymer cone midranges loaded in own transmission line, two 1-in magnesium-alloy metal-dome tweeters, and 3/4-in dome supertweeter. Two sets of input terminals for biamp/biwrting. FR 16-35,000 Hz; sens 87 dB SPL/W/m; crossover points 200, 3,500, and 13,000 Hz; imp 8 ohms. Walnut or black-oak veneer finish. 22 x 48 x 20 in; 154 lb. \$7,995/pr

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S P E A K E R S

Monitor 4-Way Speaker

Transmission-line design with 12 x 8 $\frac{1}{4}$ -in biradial woofer, 6-in doped polymer-cone midrange loaded in own transmission line, 1-in magnesium-alloy metal-dome tweeter, and $\frac{3}{4}$ -in dome supertweeter. Two sets of input terminals for biamp/biwire. FR 18-35,000 Hz; sens 87 dB SPL/W/m; crossover points 300, 3,500, and 13,000 Hz; impedance 8 ohms. Walnut or black-oak veneer finish. 12 x 45 x 19 in; 103 lb \$4,995/pr
ST-M Stand. For above, with spiked feet ... \$250/pr

Studio 4 3-Way Speaker

Transmission-line design with 12 x 8 $\frac{1}{4}$ -in biradial woofer, 6-in doped polymer-cone midrange loaded in own transmission line, 1-in magnesium-alloy metal-dome tweeter, and $\frac{3}{4}$ -in dome supertweeter. Two sets of input terminals for biamp/biwire. FR 19-20,000 Hz; sens 87 dB SPL/W/m; crossover points 300 and 3,500 Hz; imp 8 ohms. Walnut or black-oak veneer finish. 12 x 43 x 17 in; 66 lb \$3,495/pr
ST-S4 Stand. For above, with spiked feet ... \$225/pr

Studio 3 2-Way Speaker

Transmission-line design with two 8-in Cobex-cone woofers and 1-in magnesium-alloy-dome tweeter. Biwire/biamp terminals. FR 24-20,000 Hz; sens 87 dB SPL/W/m; crossover point 3,000 Hz; imp 8 ohms. Walnut or black-oak veneer finish. 12 x 37 x 16 in; 59 lb \$2,595/pr
ST-S3 Stand. For above, with spiked feet ... \$210/pr
Studio 2. As Studio 3, FR 24-20,000 Hz. 11 x 37 x 16 in; 48 lb \$1,995/pr
ST-S2 Stand. For Studio 2, with spiked feet \$200/pr
Studio 1. As Studio 2, 6 $\frac{1}{2}$ -inch Cobex woofer. FR 28-20,000 Hz; sens 86 dB SPL/W/m \$1,495/pr
ST-S1 Stand. For above, with spiked feet ... \$180/pr

Studio 0.5 2-Way Speaker

Transmission-line design with 5 $\frac{1}{2}$ -in Cobex-woofer and 1-in magnesium-alloy-dome tweeter. Kapton-voice-coil former and phase plug; biwire/biamp terminals. Power handling 100 W cont avg; FR 30-20,000 Hz; sens 85 dB; crossover point 3,000 Hz; imp 6 ohms. Black wood-grain finish. 8 x 24 x 12 in; 30 lb \$995/pr
ST-S 0.5 Stand. For above, spiked feet ... \$175/pr

TEAC

S-500 2-Way Bookshelf Speaker

5 $\frac{1}{8}$ -in woofer and 1-in soft-dome tweeter. Magnetic shielding. Power handling 100 W; FR 70-20,000 Hz; imp 6 ohms. 6 $\frac{1}{2}$ x 14 x 8 $\frac{3}{8}$ in; 14 lb \$450/pr

S-300 2-Way Mini Speaker

5 $\frac{1}{8}$ -in woofer and 1-in soft-dome tweeter. Magnetic shielding. Power handling 100 W; FR 80-20,000 Hz; imp 6 ohms. 6 $\frac{1}{2}$ x 9 $\frac{1}{2}$ x 6 $\frac{1}{8}$ in; 8 lb \$290/pr

SW-1 Subwoofer

5 $\frac{1}{8}$ -in woofer. Magnetic shielding. Power handling 100 W; FR 55-200 Hz; imp 6 ohms. 5 $\frac{1}{8}$ x 17 $\frac{1}{8}$ x 11 $\frac{1}{8}$ in; 9 lb \$240

LS-X20 Full-Range Mini Speaker

5 $\frac{1}{8}$ -in full-range driver. Power handling 150 W; FR 58-18,000 Hz; imp 8 ohms. 11 $\frac{1}{8}$ x 6 x 5 $\frac{1}{8}$ in; 10.2 lb \$200/pr

LS-X10 Full-Range Mini Speaker

5 $\frac{3}{4}$ -in full-range driver. Magnetic shielding. Power handling 70 W; FR 80-18,000 Hz; imp 8 ohms. 7 $\frac{3}{4}$ x 5 $\frac{1}{4}$ x 5 $\frac{1}{8}$ in; 8 lb \$140/pr

TECHNICS

SB-CX700 3-Way Speaker

12-In Mica-cone woofer, 13-inch passive radiator, 4-in midrange, and 1-in Mica dome tweeter. Rigid nondiffractive cabinet. Features tweeter attenuator; auto-reset tweeter protection. Power handling 200 W; FR 25-45,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms; crossover points 400 and 3,500 Hz. 14 $\frac{3}{8}$ x 35 $\frac{1}{2}$ x 12 $\frac{1}{4}$ in; 52 lb \$700/pr

SB-CX500 3-Way Speaker

10-in Mica-cone woofer, 11-In passive radiator, 4-In midrange, and 1-In Mica dome tweeter. Power handling 150 W; FR 28-45,000 Hz; sens 89 dB SPL/W/m; imp 6 ohms; crossover points 500 and 3,000 Hz. 12 $\frac{5}{8}$ x 32 $\frac{1}{4}$ x 12 $\frac{1}{4}$ in; 37 lb \$600/pr

SB-CL50 2-Way Speaker

Sealed design with 7 $\frac{1}{8}$ -in woofer and 1-in dome tweeter. Rounded-baffle cabinet. Power handling 160 W; FR 52-22,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. Wood-grain-style finish. 8 $\frac{1}{2}$ x 15 x 8 in; 12 lb \$260/pr

SB-CL90 3-Way Speaker

Bass-reflex design with 8-in woofer, 4-in midrange, and 1-in soft dome tweeter. Rounded-baffle cabinet. Power handling 200 W; FR 45-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms; crossover points 700 and 5,000 Hz. Wood-grain-style finish. 9 $\frac{1}{2}$ x 31 $\frac{1}{2}$ x 10 $\frac{5}{8}$ in; 28 lb \$240

SB-L80 3-Way Speaker

Bass-reflex design with 12-in cone woofer, 4-in cone midrange, and 2 $\frac{1}{8}$ -in cone tweeter. Aluminum bobbins. Power handling 150 W; FR 38-22,000 Hz; imp 8 ohms; crossover points 3,500 and 5,000 Hz. 14 x 27 x 12 $\frac{1}{2}$ in; 24 lb \$230/pr

SB-CX300 2-Way Speaker

Bass-reflex design with 8-in Mica woofer and 1-in Mica-dome tweeter. Rounded baffle. FR 38-45,000 Hz; imp 6 ohms; crossover point 1,500 Hz. 10 $\frac{5}{8}$ x 18 $\frac{1}{2}$ x 13 in; 17 lb \$200

SB-L60 3-Way Speaker

Bass-reflex speaker with 10-in cone woofer, 4-in cone midrange, and 2 $\frac{1}{8}$ -in cone tweeter. Aluminum bobbins. Power handling 120 W; FR 40-22,000 Hz; imp 8 ohms; crossover points 3,500 and 5,000 Hz. 12 $\frac{3}{4}$ x 25 $\frac{1}{2}$ x 10 $\frac{1}{2}$ in; 19 lb \$180/pr

SB-L40 2-Way Speaker

Bass-reflex design with 10-in cone woofer and 2 $\frac{1}{8}$ -in cone-type tweeter. Aluminum bobbins. Power handling 100 W; FR 42-22,000 Hz; imp 8 ohms; crossover point 4,500 Hz. 12 $\frac{3}{4}$ x 23 x 9 in; 16 lb \$130/pr

SB-S25 2-Way Speaker

4-in cone woofer and 2-in cone tweeter. Rounded-baffle design; simulated wood-grain cabinet. Power handling 40 W; FR 68-22,000 Hz. 6 $\frac{1}{2}$ x 9 x 5 $\frac{1}{2}$ in \$100/pr

TERPSICHORE

The Subwoofer

12-in paper-cone driver. Power handling 500 W; FR 15-200 Hz; sensitivity 92 dB SPL/W/m. 15 x 24 x 72 in \$1,800

QT-2 2-Way Speaker

7-in treated paper-cone woofer, 3 $\frac{1}{4}$ -in dome tweeter. Power handling 150 W; FR 30-25,000 Hz \pm 3 dB; sens 92 dB SPL/W/m. 10 x 46 x 15 in \$1,500/pr

QT-1 2-Way Speaker

5 $\frac{1}{2}$ -in dual-voice-coil woofer, 3 $\frac{1}{4}$ -in dome tweeter. Power handling 90 W; FR 35-25,000 Hz \pm 3 dB; sens 90 dB SPL/W/m. 8 x 40 $\frac{3}{4}$ x 10 in \$1,000/pr

Bifocal Subwoofer

Two 8-in dual-voice-coil woofers. Power handling 150 W; FR 20-1,200 Hz \pm 3 dB; sens 92 dB SPL/W/m. 20 x 41 x 10 $\frac{1}{4}$ in \$700

THIEL

CS 5 Coherent Source 5-Way Speaker

Three 8-In woofers, 5-in midrange, 2-in upper midrange, and tweeter. Features sloping baffle and electronic correction for time alignment; synthesized 1st-order acoustic-crossover system; 3-dimensional marble/polymer baffle; driver diaphragms made of aluminum Kevlar or Kevlar/foam sandwich. Power

S P E A K E R S

handling 400 W cont avg; FR 20-22,000 Hz \pm 1 dB; sens 87 dB SPL/W/m; imp 3 ohms. Amberwood or gloss-black finish. 13 x 64 x 17 in; 180 lb. \$9,200/pr

CS 3.6 Coherent Source 3-Way Speaker

Sloping-baffle design with 10-in woofer with copper rings, double-cone 4 1/2-in midrange with short-coil/long-gap magnet structure, and 1-in metal dome tweeter with short-coil/long-gap design. Features 1st-order crossover; internal bracing; 3-in baffle with rounded edges; polystyrene capacitors. FR 29-20,000 Hz \pm 1.5 dB; sens 86 dB; imp 4 ohms. 12 1/2 x 48 1/2 x 17 in; 107 lb. \$3,900

CS 2.2 Coherent Source 3-Way Speaker

Sloping-baffle design with woofer with copper rings and metal-dome tweeter with short-coil/long-gap design. FR 35-20,000 Hz \pm 2 dB; sens 86 dB; imp 4 ohms. Amberwood or gloss-black lacquer finish. 12 x 42 x 13 in; 70 lb. \$2,250/pr

CS 1.2 Coherent Source 2-Way Speaker

Sloping-baffle design with polypropylene woofer and metal-dome tweeter. Internal bracing. Power handling 150 W cont avg; FR 52-18,000 Hz \pm 2 dB; sens 87 dB SPL/W/m; imp 4 ohms. Amberwood or gloss-black finish with sculpted speaker grille. \$1,250/pr

SCS Coherent Source 2-Way Speaker

Woofer with coaxially mounted tweeter. Features internal bracing; crossover with polystyrene capacitors. FR 66-10,000 Hz \pm 2 dB; sens 87 dB; imp 4 ohms. Gloss-black-lacquer finish. \$1,090/pr

TRIAD

System Seven Powered Sub/Satellite System

Subwoofer with 10 1/4-in polypropylene driver and 150-W power amp; two satellites, each with 5-in polypropylene midrange and 1-in fabric-dome tweeter. Sub: FR 28-90 Hz \pm 3 dB. Satellite: power handling 100 W cont avg; FR 110-20,000 Hz \pm 2 dB; imp 8 ohms; crossover point 2,400 Hz; sens 90 dB SPL/W/m. Black, white, or galaxy textured-enamel finish. Sub: 13 x 13 x 13 in. Sat: 5 1/2 x 10 x 5 1/2 in. \$1,050

System Seven Satellite \$500/pr
System Seven Subwoofer \$550

Thunder Powered Subwoofer

Two 10-in long-throw treated-paper drivers, 250-W power amp. Horizontally-opposed driver configuration to cancel vibrations. 3 speaker- and 1 line-level inputs. Black-enamel finish with simulated-granite inlaid top. 19 1/4 x 17 3/4 x 17 1/2 in; 70 lb. \$900

Mini-Thunder. As above, two 8-in drivers. 17 1/2 x 16 x 16 in; 57 lb. \$750

System Six Powered Sub/Satellite System

Subwoofer with 18 3/8-in polypropylene woofer and 150-W power amp; two satellites, each with 3 1/2-in treated-paper midrange and 3/8-in Mylar-dome tweeter. Sub: FR 32-125 Hz \pm 3 dB. Satellite: Power handling 50 W cont avg; FR 160-20,000 Hz \pm 4 dB; imp 8 ohms; crossover point 3,200 Hz; sens 88 dB SPL/W/m. Black, white, or galaxy textured-enamel finish. Sub: 10 1/4 x 10 1/4 x 10 1/4 in. Sat: 4 x 7 x 4 in. \$800

System Six Satellite \$300/pr
System Six Subwoofer \$500

System 3 Subwoofer/Satellite System

Subwoofer with 8-in dual-voice-coil woofer; two satellites, each with 4-in treated-paper midrange and 3/8-in Mylar-dome tweeter. Sub: power handling 75 W; FR 43-105 Hz \pm 3 dB; imp 4 ohms; sens 87 dB SPL/W/m. Satellite: power handling 75 W; FR 125-20,000 Hz \pm 3 dB; imp 8 ohms; crossover point 3,900 Hz; sens 87 dB SPL/W/m. Black, white, or galaxy textured-enamel finish. Sub: 12 x 16 x 12 in. Satellite: 5 1/2 x 8 3/4 x 5 in. \$500

System 3 Satellite \$275/pr
System 3 Subwoofer \$225

System 5 2-Way Speaker

5-in woofer and 2 1/2-in Mylar-dome tweeter. Power handling 75 W; FR 75-16,000 Hz \pm 3 dB; sens 88 dB

SPL/W/m; imp 8 ohms; crossover point 2,800 Hz. Black, white, or galaxy textured-enamel finish. 6 7/8 x 12 x 5 7/8 in. \$350/pr

UNITY AUDIO

PARM Subwoofer/Satellite System

Two subwoofers, each with two 12-in drivers; two satellites, each with two 7-in midranges and one 1 1/4-in tweeter. Features in-phase woofer and midrange coupling; outboard active crossover. FR 23-25,000 Hz \pm 1 dB; sens 91 dB SPL/W/m; crossover points 130 and 2,200 Hz; imp 3/6 ohms. Fountainhead finish. Subwoofer: 14 x 14 x 14 in. Sat: 9 x 38 x 4 1/4 in. \$15,000

Pyramid Signature 3-Way Speaker

10 1/2-in cast-magnesium-frame woofer, 7-in cast-magnesium-frame midrange, and 1 1/4-in dome tweeter. Features bottom-loaded woofer coupled directly to spiked feet; phase-optimized Class A unity-gain crossover. Power handling 300 W; FR 30-25,000 Hz \pm 2 dB; sens 90 dB; crossover points 135 and 2,000 Hz; imp 6/8 ohms. Fountainhead finish. 11 x 11 in (base), 8 x 8 in (top), 45-in high; 80 lb. \$4,995/pr

Signature One 3-Way Speaker

10-in cast-frame woofer, 7-in cast-frame midrange, and silk-dome tweeter. Features solid-copper binding posts; silver wiring; balanced Class A crossover; 3/4-in Medite cabinet with bracing every 6 inches. Power handling 300 W max; FR 36-20,000 Hz \pm 2 dB; sens 90 dB; imp 8 ohms. Exotic wood finish. 9 x 44 x 9 in; 58 lb. \$2,995/pr

CLA 1 3-Way Speaker

10 1/8-in floor-firing woofer, 6 5/8-in polypropylene-cone midrange, and 1 1/4-in dome tweeter. Features aperiodically damped reflex-loaded woofer; balanced Class A crossover. Power handling 300 W max; FR 34-20,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; crossover points 145 Hz and 2,500 Hz. Oak, walnut, black, or rosewood finish. 9 x 44 x 9 1/2 in; 55 lb. \$1,995/pr

CLA 2 3-Way Speaker

8 1/4-in floor-firing woofer, 6 5/8-in polypropylene midrange, and 1 1/4-in dome tweeter. Features aperiodically-damped reflex-loaded woofer; balanced Class A crossover. Power handling 225 W max; FR 43-20,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; crossover points 145 and 2,500 Hz; imp 4/6 ohms. Oak, walnut, black, or rosewood finish. \$1,495/pr

CLA 3 2-Way Speaker

Two 6 5/8-in woofers and 1 1/4-in tweeter. In-phase woofer-coupling; balanced Class A crossover. FR 45-20,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; crossover point 2,700 Hz; imp 4/6 ohms. Oak, walnut, black, or rosewood finish. 9 x 38 x 5 in; 36 lb. \$995/pr

VANDERSTEEN

Model 3 3-Way Speaker

10-in acoustic coupler, 8-in polycone woofer, 4 1/2-in polycone midrange with ferrofluid cooling, and 1-in critically damped metal-alloy dome tweeter with ferrofluid cooling. Biwire terminals. Power handling 200 W; FR 26-30,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 4 ohms; crossover points 600 and 5,000 Hz. 16 x 48 x 10 1/4 in; 97 lb. \$2,395/pr

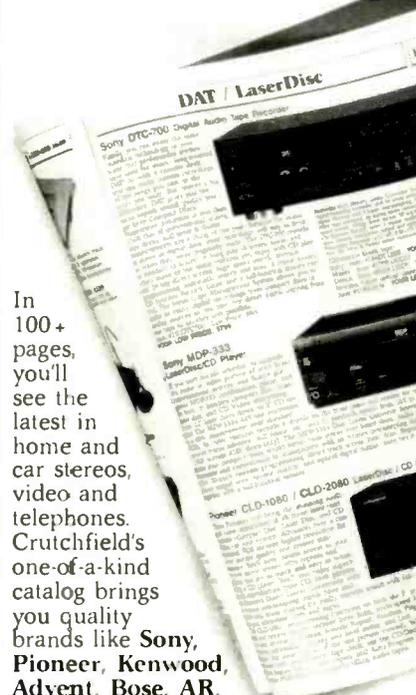
Model 2Ce 3-Way Speaker

10-in long-fiber acoustic coupler, 8-in polycone woofer, 4 1/2-in polycone midrange with ferrofluid cooling, and 1-in critically damped metal-alloy tweeter with ferrofluid cooling. Biwire terminals. Power handling 160 W; FR 28-29,125 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 7 ohms. Crossover points 600 and 5,000 Hz. 16 x 39 1/4 x 10 1/4 in; 63 lb. \$1,295/pr

Model 2W Powered Subwoofer

Slot-loaded design with three 8-in-long fiber-cone woofers with butyl-rubber surrounds; 300-W power amp with adjustable sens. Crossover at 80 Hz with 12-dB/oct slope. 18 x 18 1/2 x 17 in; 90 lb. \$1,250

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S P E A K E R S

Model 1B 2-Way Speaker

Rear slot-loaded design with 8-in polycone woofer and 1-in metal-alloy polymer-dome tweeter. 4th-order crossover. Power handling 100 W; frequency response 38-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; impedance 6.8 ohms; crossover point 2,800 Hz. 12 x 36 x 10 in; 50 lb \$650/pr

VECTEUR

Premier MkIII 2-Way Speaker

Ported design with 5/4-in Bextrene cone woofer and 3/4-in polymer-dome tweeter. FR 45-20,000 Hz \pm 3 dB; crossover point 3,200 Hz; sens 90 dB SPL/W/m; imp 4 ohms; power handling 100 W cont avg. Black-ash wood-veneer finish. 8 x 9 1/2 x 13 1/2 in. \$995/pr

VECTOR RESEARCH

The following feature antiresonant one-piece woofer baskets, soft-dome tweeters, bass-reflex design, 8-ohm impedance, and a light-oak finish.

VSP-230 Subwoofer/Satellite System

Subwoofer with 8-in driver; 2 satellites, each with 3 1/2-in shielded woofer and 2 1/2-in tweeter. Power handling 75 W max (sat), 125 W max (sub); FR 140-20,000 Hz (sat), 28-150 Hz (sub); imp 8 ohms (sat), 6 ohms (sub); sens 89 dB SPL/W/m (sat), 90 dB SPL/W/m (sub). Satellites: 4 3/8 x 8 1/4 x 4 1/2 in. Subwoofer: 5 3/8 x 20 3/8 x 12 3/4 in. 18 lb \$500

VSP-1230 3-Way Speaker

12-in woofer, 5-in midrange, and 1-in tweeter. Power handling 250 W; sens 92 dB SPL/W/m. 14 1/8 x 27 1/2 x 11 1/2 in; 37 lb \$400/pr

VSP-82 2-Way Speaker

8-in woofer and 2-in tweeter. Power handling 60 W; sensitivity 89 dB SPL/W/m. 10 3/8 x 18 3/4 x 8 3/8 in; 15 lb \$160/pr

VELODYNE

ULD-18 Series II Powered Subwoofer

18-in servo-controlled, downward-firing driver with 3/4-in peak-to-peak linear travel, 400-W Class B power amp. Open/short circuit, low-voltage, and overload protection. FR 18-85 Hz \pm 3 dB; input sens 300 mV; imp 20,000 ohms. Walnut, oak, or black finish. Cabinet: 23 1/2 x 21 1/2 x 31 in. Amp: 3 1/2 x 11 x 17 in. 120 lb \$2,750

ULD-15. As above, 15-in driver. Cabinet: 17 x 18 1/4 x 22 1/2 in. 72 lb \$1,895

F-1500 Powered Subwoofer

15-in servo-controlled driver; 250-W Class A/B power amp. FR 18-85 Hz \pm 3 dB; THD 0.7%; passive 85-Hz high-pass filter; adjustable 40-100 Hz low-pass filter. Black vinyl wood-grain, granite vinyl finish. 20 x 20 x 20 in; 79 lb \$1,495

ULD-12 Powered Subwoofer

12-in servo-controlled, downward-firing driver; 100-W Class B power amp. Thermal, open short circuit, low-voltage, and overload protection. FR 20-85 Hz \pm 3 dB; input sens 300 mV; imp 16,000 ohms. Walnut, oak, or black finish. Cabinet: 15 3/8 x 17 x 21 in. Amp: 8 x 6 x 1 1/2 in; 51 lb \$1,295

F-1200 Powered Subwoofer

12-in servo-controlled driver; 100-W Class A/B power amp. FR 20-85 Hz \pm 3 dB; THD 1%; passive 85-Hz high-pass filter; adjustable 40-100 Hz low-pass filter. Black vinyl wood-grain, granite vinyl finish. 16 3/8 x 16 3/8 x 16 3/8 in; 55 lb \$1,095

F-1000. As above, 10-in driver. 80-W x 1 rms cont. 14 1/4 x 14 1/4 x 14 1/4 in; 44 lb \$895

VA1012-II Powered Subwoofer

10-in driver and 12-in passive radiator; 60-W Class A/B power amp. Line- and speaker-level inputs and outputs. FR 28-85 Hz; 85-Hz high-pass filter; 6-dB/oct low-pass filter. Black finish. 17 1/4 x 18 3/8 x 18 1/4 in; 40 lb \$695

VA810 Powered Subwoofer

8-in driver and 10-in passive radiator; 50-W Class A/B power amp. Line- and speaker-level inputs and outputs. FR 35-85 Hz; 85-Hz high-pass filter; 6-dB/oct low-pass filter. Black finish \$595

VENTURI by BIC AMERICA

The following feature a vented cabinet with horizontal cross-bracing and an oak finish, 5-way gold-plated binding posts, and 5-year warranty.

V830 3-Way Speaker

8-inch carbon/polypropylene woofer, 6-in cast-frame polycarbonate midrange, and 1-in poly laminate soft-dome tweeter. Power handling 250 W; FR 38-22,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms; crossover points 1,000 and 5,000 Hz. 10 1/4 x 40 x 11 1/2 in; 45 lb \$799/pr

V630 3-Way Speaker

6-in woofer, 6-in polycarbonate midrange, and 1-in poly laminate soft-dome tweeter. Power handling 150 W; FR 45-22,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover points 800 and 3,000 Hz. 9 x 34 1/4 x 11 1/8 in; 37 lb \$599/pr

V820 2-Way Speaker

8-in woofer and 1-in poly laminate soft-dome tweeter. Power handling 150 W; FR 40-22,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms; crossover point 2,500 Hz. 10 1/4 x 26 3/4 x 11 1/2 in; 29 lb \$439/pr

V620 2-Way Speaker

6-in woofer and 3/4-in poly laminate soft-dome tweeter. Power handling 120 W; FR 49-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 3,000 Hz. 9 x 22 3/4 x 11 1/8 in; 24 lb \$329/pr

M6 2-Way In-Wall Speaker

6 1/2-in polycarbonate cone woofer and 1-in soft-dome tweeter. FR 50-20,000 Hz. 8 3/8 x 12 x 3 1/2 in. \$229/pr

V62 2-Way Bookshelf Speaker

6-in woofer and 3/4-in poly laminate tweeter. Power handling 100 W; FR 50-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 4,000 Hz. 8 7/8 x 14 1/4 x 9 1/8 in; 14 lb \$219/pr

M5 2-Way In-Wall Speaker

5 1/4-in polycarbonate cone woofer and 1/2-in soft dome tweeter. FR 50-20,000 Hz. 7 1/2 x 11 x 3 3/8 in \$169/pr

V52 2-Way Bookshelf Speaker

5 1/4-in woofer and 1/2-in polyimide-dome tweeter. Power handling 75 W; FR 60-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. 7 x 11 1/4 x 7 in \$149/pr

VIDEOLINK

S-66 2-Way In-Wall Speaker

6 1/2-in polypropylene woofer and 1-in ferrofluid-damped soft-dome tweeter. Features removable baffle panel system; 2-position tweeter control. Power handling 75 W cont avg; FR 55-18,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. 8 7/8 x 11 1/8 \$260/pr

S-64. As above, 3/4-in ferrofluid-damped hard-dome tweeter. Power handling 50 W cont avg; FR 55-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; crossover point 5,000 Hz \$160/pr

S-62. As S-66, 2-in cone tweeter. Power handling 35 W cont avg; FR 60-16,000 Hz \pm 4 dB; sens 87 dB SPL/W/m; crossover point 6,500 Hz \$100/pr

F-63 Bezel and Grille Kit. In-wall locking system for S-66 \$40/pr

R-61. Brackets with wings attached \$40/pr

VMPS

Super Tower III 4-Way Speaker

Passive-radiator design with two 15-in woofers, 12-in woofer, two 10-in woofers, four 5-in cone midranges,

four 1-in dome tweeters, and three 3/4-in ribbon supertweeters. Separate level controls for midrange, tweeter, and supertweeter. FR 17-50,000 Hz \pm 0, -3 dB; sens 98 dB SPL/W/m; crossover points 80, 500, 4,500, and 15,000 Hz; imp 8 ohms \$4,795/pr

Super Tower/R Special Edition 5-Way Speaker

Multiband bass design with two 15-in woofers, 10-in woofer, two 5-in cone midranges, 2-in ribbon tweeter, and two 1-in dome supertweeters. Separate level controls for midrange, tweeter, and supertweeter. FR 20-50,000 Hz \pm 0, -3 dB; sens 94 dB SPL/W/m; crossover points 80, 600, 5,000, and 15,000 Hz; imp 4 ohms. Oak finish. 18 x 52 x 18 in; 175 lb \$2,998/pr

Super Tower/R 5-Way Speaker

Multiband bass design with two 15-in woofers, 12-in woofer, two 5-in cone midranges, two 2-in ribbon tweeters, and two 1-in dome supertweeters. Separate level controls for midrange, tweeter, and supertweeter. FR 20-50,000 Hz \pm 3 dB; sens 96 dB SPL/W/m; crossover points 80, 400, 4,000, and 12,000 Hz; imp 4 ohms. Oiled walnut finish \$1,998/pr

Tower II Special Edition 4-Way Speaker

Multiband bass design with three 12-in woofers, 5-in cone midrange, 2-in ribbon tweeter, and one 1-in dome supertweeter. Separate level controls for midrange, tweeter, and supertweeter. FR 22-50,000 Hz \pm 0, -3 dB; sens 94 dB SPL/W/m; crossover points 80, 600, 5,000, and 15,000 Hz \$1,776/pr

Tower II 4-Way Speaker

Ported design with three 12-in woofers, 5-in cone midrange, 1-in dome tweeter, and piezo supertweeter. Separate level controls for midrange, tweeter, and supertweeter. FR 22-50,000 Hz \pm 3 dB; sens 95 dB SPL/W/m; crossover points 80, 400, 4,000, and 12,000 Hz; imp 4 ohms \$1,298/pr

QSO 808 3-Way Speaker

Ported design with 12-in woofer, 5-in cone midrange, and 1-in dome tweeter. Separate level controls for midrange and tweeter. FR 34-20,000 Hz \pm 3 dB; sens 94 dB SPL/W/m; crossover points 600 and 5,000 Hz; imp 8 ohms. Oiled-walnut finish. 15 x 26 x 12 in; 50 lb \$690/pr

VMPS Large Subwoofer

15-in woofer and 12-in passive radiator. FR 17-250 Hz \pm 3 dB; sens 95 dB SPL/W/m; imp 4 ohms. Oiled-walnut finish. 22 x 39 x 17 in; 140 lb \$599

Mini Tower IIa 4-Way Speaker

Passive-radiator design with two 10-in woofers, 5-in cone midrange, two 1-in dome tweeters, and one piezo supertweeter. Separate level controls for midrange, tweeter, and supertweeter. FR 28-30,000 Hz \pm 0, -3 dB; sens 92 dB SPL/W/m; crossover points 500, 4,500, and 15,000 Hz; imp 8 ohms \$479

VMPS Original Subwoofer

Passive-radiator design with 12-in woofer. FR 19-600 Hz; sens 94 dB SPL/W/m; imp 8 ohms. Oiled-walnut finish. 22 x 27 x 17 in; 95 lb \$429

VMPS Small Subwoofer

Passive-radiator design with 12-in woofer. FR 28-600 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 8 ohms. Oiled walnut finish. 15 x 26 x 16 in; 140 lb \$329

QSO 404 2-Way Speaker

Ported design with 8-in woofer and 1-in dome tweeter. Separate level control for tweeter. FR 48-17,000 Hz \pm 0, -3 dB; sens 90 dB SPL/W/m; crossover point 3,500 Hz; imp 8 ohms. Oiled walnut finish. \$229

VORTEX

The following feature a 5-year warranty.

KRS Subwoofer/Satellite System

Triple chamber, multivented transmission-line subwoofer with 8-in ribbon-voice-coil driver; 2 satellites, each with 4-in doped Kevlar midrange in MDF cham-

S P E A K E R S

ber and 1-in titanium-dome tweeter with butyl-rubber edge and double-magnet. Computer-designed crossover with Linkwitz-Riley topology; gold-plated biwire/biamp terminals; separate inputs for woofer and satellites; 6 brass foot spikes. Power handling 300 W; FR 27-25,000 Hz \pm 3 dB; sens 91 dB SPL/W/m. Sub: 35 x 18 x 11 in; 69 lb. Satellite: 14 x 18 x 11 in; 34 lb. \$3,550

Signature Screen Subwoofer/Satellite System

Triple chamber, multivented transmission-line subwoofer with 8-in mineral-filled plastic-cone woofer; 2 satellites, each with 5-in fiberglass midrange in mbr chamber and 1-in aluminum-dome tweeter with butyl rubber edge. Computer-designed crossover with Linkwitz-Riley topology. Gold-plated biwire/biamp terminals; separate inputs for woofer and satellites; 6 brass-alloy foot spikes. Power handling 300 W; FR 27-25,000 Hz \pm 3 dB; sens 89 dB SPL/W/m. Sub: 35 x 18 x 11 in; 69 lb. Sat: 14 x 18 x 11 in; 34 lb. \$1,950

Compact Screen 3-Way Speaker

Transmission-line design with two 6 1/2-in polycone woofers, 3-in treated-cone midrange, and 1-in soft-dome tweeter. Sens 90 dB SPL/W/m; imp 4 ohms. 15 x 43 x 8 in; 55 lb. \$990/pr

Forcefield Series

The following feature 1 1/2-in thick baffles, magnetic shielding, and gold-plated 5-way binding posts. They are available in natural-oak or black-ash hardwood with a black grille.

Model 800 2-Way Tower Speaker

Bipolar design with four 6 1/2-in polypropylene midranges and 1-in textile-dome tweeter in concentrical-

ly focused triple-chambered transmission-line enclosure. Features multivented tuning to 30 Hz; odd-order Bessel topology with optimized directivity and group delay; Mylar and polypropylene capacitors; 6 brass-alloy foot spikes. Power handling 250 W; FR 30-25,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 8 ohms; crossover point 1,800 Hz. 9 1/2 x 46 x 16 in; 60 lb. \$1,295/pr
Model 600. As above, two midranges. Sens 91 dB SPL/W/m; imp 4 ohms. \$995/pr

Mini-Monitor 2-Way Mini-Speaker

Critically-damped 2nd-order enclosure with 6 1/2-in polypropylene woofer and 1-in fabric-dome tweeter. Features non-parallel walls; time-aligned baffle; non-diffraction grill; patented tweeter lens; Bessel topology. Power handling 100 W; FR 60-25,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 8 ohms; crossover point 1,800 Hz. 9 1/2 x 12 1/2 x 10 1/4 in; 18 lb. \$495/pr

SUB-Module Subwoofer

Critically-damped 4th-order enclosure with two 6 1/2-in polypropylene drivers. Features two rear-firing vents tuned to 30 Hz; Linkwitz-Riley topology; brass foot spikes. Power handling 150 W; FR 30-150 Hz \pm 3 dB; sens 87 dB SPL/W/m; crossover point 70 Hz with 12-dB/oct slope. 22 x 11 x 18 in; 44 lb. \$495

WALL SOUND

SE-893 3-Way In-Wall Speaker

8-in coated-paper woofer with 25-oz magnet, 1-in soft-dome midrange, and 1/2-in polyimide tweeter. Power handling 100 W max; imp 8 ohms; sens 92 dB; crossover points 750 and 5,000 Hz; FR 30-30,000 Hz. 10 7/8 x 15 1/4 x 3 3/8 in. \$370/pr

SE-892 2-Way In-Wall Speaker

8-in coated paper woofer with 25 oz magnet and 1-in soft-dome tweeter. Power handling 100 W max; imp 8 ohms; sens 92 dB; crossover point 2,500 Hz; FR 30-25,000 Hz. 10 7/8 x 15 1/4 x 3 3/8 in. \$330

SE-790 2-Way In-Wall Speaker

6 1/2-in polycarbonate cone woofer with 10-oz magnet and 1/2-in soft dome tweeter. Power handling 60 W max; imp 8 ohms; sens 90 dB; crossover point 3,000 Hz; FR 50-22,000 Hz. 8 7/8 x 12 3/8 x 3 3/8 in. \$280/pr

SE-520 W 2-Way In-Wall Speaker

5-in coated-paper woofer and 1-in polyimide soft-dome tweeter. Power handling 100 W max; imp 8 ohms; sens 87 dB; crossover point 3,000 Hz; FR 65-20,000 Hz. 6 x 9 x 5 3/8 in. \$270

SE-520 MB. Mounting brackets for above. \$50/pr

SE-890 In-Wall Subwoofer

8-in coated-paper dual-voice-coil woofer with 25-oz magnet. Power handling 100 W max; imp 8 ohms x 2; sens 90 dB; crossover point 120 Hz; FR 30-500 Hz. 10 7/8 x 15 1/4 x 3 3/8 in. \$260/pr

SE-694 2-Way In-Wall Speaker

5 1/2-in polycarbonate woofer with 10-oz magnet and 1-in soft dome tweeter. Power handling 60 W max; imp 8 ohms; sens 90 dB; crossover point 3,500 Hz; FR 60-21,000 Hz. 6 7/8 x 9 5/8 x 3 in. \$230/pr

SE-691 2-Way In-Wall Speaker

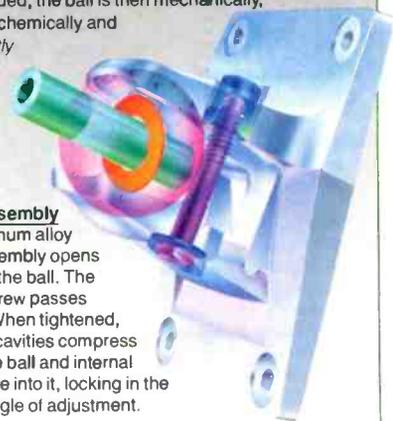
5 1/4-in polycarbonate woofer with 10-oz magnet and 1/2-in polyimide tweeter. Power handling 60 W max; imp 8 ohms; sens 90 dB; crossover point 5,000 Hz; FR 60-20,000 Hz. 6 7/8 x 9 5/8 x 3 in. \$170/pr

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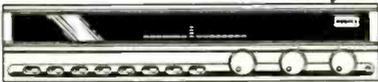
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ADS AX2 2-way electronic crossover Jensen JFX125 5-1/4" dual cone car speaker JVC RX705VTN 100Wch Por Logic receiver JVC TDV541TN 3-head cassette deck BBE 4012 New Sonic Maximizer for the car JVC HRD910U 4-head Hi-Fi VHS VCR JVC XLM405 Home 5-disc changer Minolta 8-418 8mm camcorder 8:1 zoom	\$97 \$399s \$289 CALL LOW \$349 \$189 \$699	Mission 762 Ported bookshelf speakers Niles SPS1 4-pair speaker selector Target BT1 Tilt & swivel speaker brackets Brand Name DAT Digital Audio Tape recorder Brand Name 150Wch car amplifier Sherwood RV6010RS Rated #1 receiver with remote Stereo Headphones AKG • JVC • Sangeit • Sony • Sennheizer Panasonic RXDT 680 3-piece portable stereo system	\$269 \$79 \$27 \$469 \$169 CALL LOW CALL LOW PRICE	Tek AF9925 Powered AM/FM indoor antenna Technics SL1200 DJ #1 Turntable Thorens TD180 3-speed w/78 RPM turntable Audio Source EQ10 10 band EQ/analyzer wire remote Technics SLXP5900 MASH 1-bit portable CD player Panasonic KXT9000 NEW 900MHz cordless phone Sony D802 Portable car CD player w/adapt. Sony D303 Full featured portable CD player.	IN STOCK CALL US FOR THE BEST PRICE
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S P E A K E R S

New-Construction Mounting Kits

RI-8. For SE-890, 892, and 893	\$80/pr
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RI-6914. For SE-691 and 694	\$50/pr

WATERWORKS ACOUSTICS

The following feature a pipe-like enclosure and a 3-year warranty. Custom finishes are available.

Soundpipe Two 2-Way Speaker

Two 5-in poly-cone woofers and 3/4-in tweeter. Power handling 120 W cont avg; FR 80-20,000 Hz \pm 3 dB; imp 4 ohms; sens 90 dB SPL/W/m. Black or white finish. 6 x 21 1/2 x 8 1/2 in; 22 lb \$699/pr

Soundpipe Sub Subwoofer

10-in dual-voice-coil poly-cone woofer. Power handling 120 W cont avg; FR 30-100 Hz \pm 3 dB; imp 3 ohms; sens 90 dB SPL/W/m. Black or white finish. 40 lb \$499

Soundpipe One 2-Way Speaker

5-in poly-cone woofer and 1/2-in tweeter. Power handling 60 W cont avg; FR 80-20,000 Hz \pm 3 dB; imp 8 ohms; sens 88 dB SPL/W/m. Black or white finish. 6 x 13 x 8 1/2 in; 12 lb \$399/pr

Accessories

Speaker stands	\$199/pr
4 x 48-in mounting pipe	\$119/pr
2 x 48-in mounting pipe	\$99/pr
4 x 36-in mounting pipe	\$89/pr
2 x 36-in mounting pipe	\$69/pr
4 x 24-in mounting pipe	\$59/pr
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Mounting pipe adaptor	\$49/pr
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Banana plugs	\$9.95/pr

WAVEFRONT ACOUSTICS

Peak Two Gold 2-Way Speaker

D'Appolito configuration with two 8 3/4-in woofers and one 1 1/8-in textile-dome tweeter. Imp linearization circuitry. Power handling 300 W cont avg; FR 35-25,000 Hz \pm 3 dB; imp 3.2 ohms from 30-20,000 Hz; sens 90 dB. Multilayer lacquer with black accents. 12 1/4 x 23 1/2 x 14 in; 200 lb \$10,000/pr

Peak Two. As above, with less refined crossover. Multilayer lacquer with black accents. 12 1/4 x 23 1/2 x 14 in; 110 lb \$6,000/pr

Peak One Gold 2-Way Speaker

Sealed-box design with 8 3/4-in woofer and 1 1/8-in textile-dome tweeter. Imp linearization circuitry. Power handling 150 W cont avg; FR 35-25,000 Hz \pm 3 dB; imp 5.5 ohms from 30-20,000 Hz; sens 88 dB. High luster hand-rubbed oiled walnut. 10 1/4 x 23 1/2 x 14 in; 100 lb \$7,000/pr

Peak One. As above, with less refined crossover. 10 1/4 x 23 1/2 x 14 in \$4,000/pr

WESTLAKE AUDIO

SM-1F Five Amp Powered 5-Way Speaker

Ported design with two 18-in woofers, 12-in midbass driver, 2-in horn-loaded compression midrange, 1-in horn-loaded compression tweeter, and 1/2-in compression tweeter. Includes SM-1X and MRX-2 active crossovers and 2 pedestals. Frequency response 20-20,000 Hz; crossover points 200, 800, 3,200, and 10,000 Hz \$56,000/pr

SM-1F Quad Amp. As above, without MRX-2. 49 x 39 x 32 in; 450 lb \$49,500/pr

SM-1F Bi Amp. As above, with MRX-2 and two HLX-SM1 passive crossovers for biamp applications \$45,000/pr

HR-1VF Quad Amp Powered 4-Way Speaker

Ported design with two 15-in woofers, 10-in midbass driver, 2-in horn-loaded compression midrange, and

1-in horn-loaded compression tweeter. Includes HR-1X active crossover. FR 34-16,000 Hz \pm 3 dB. 34 x 48 x 21 in; 410 lb \$28,000/pr

HR-1VF Bi Amp. Horizontal configuration of above without HR-1X crossover. Includes two HLX-1K and MRX-2 crossovers. 44 x 31 x 21 in; 400 lb \$24,500/pr

HR-1F Quad Amp. As HR-1VF Quad Amp, horizontal configuration. 400 lb \$25,950/pr

HR-1FP. Walnut pedestals \$1,950/pr

TM-3VF Bi Amp Powered 3-Way Speaker

Ported design with two 15-in woofers, 2-in horn-loaded compression midrange, and 1-in horn-loaded tweeter. Includes active crossover. FR 34-16,000 Hz \pm 3 dB. 34 x 44 x 21 in; 395 lb \$20,690/pr

TM-3VF Single Amp. As above, with pair of HLX-800 passive crossovers installed. 34 x 44 x 21 in; 420 lb \$18,975/pr

BBSM-15F 3-Way Speaker

Ported design with two 15-in woofers, 10-in midrange driver in integral nonresonant enclosure, and 2-in horn-loaded compression tweeter. Power handling 300 W max; FR 50-15,000 Hz \pm 3 dB; imp 4 ohms; crossover points 350 and 1,600 Hz. 41 x 27 1/4 x 25 in; 400 lb \$12,000/pr

BBSM-15FP. Walnut pedestals \$1,950

BBSM-12VF 3-Way Speaker

Ported design with two 12-in woofers, 6 1/2-in midrange in integral nonresonant enclosure, and 1 1/4-in dome tweeter. Power handling 180 W max; FR 40-16,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 4 ohms; crossover points 500 and 4,000 Hz. 30 1/2 x 48 1/2 x 18 3/4 in; 240 lb \$5,800/pr

BBSM-12F Bi-Wire. As above, power handling 180 W max; FR 50-16,000 Hz \pm 3 dB. 34 x 19 x 23 in; 185 lb \$5,250/pr

BBSM-10VF 3-Way Speaker

Ported design with two 10-in woofers, 6 1/2-in midrange in integral nonresonant enclosure, and 1 1/4-in dome tweeter. Power handling 120 W max; FR 45-16,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 4 ohms; crossover points 600 and 4,000 Hz. 27 x 44 1/2 x 17 in; 175 lb \$4,850/pr

BBSM-10F Bi-Wire. As above. 30 x 16 x 21 1/2 in; 136 lb \$4,400/pr

BBSM-8VF 3-Way Speaker

Ported design with two 8-in woofers, 3 1/2-in midrange driver, and 1-in dome tweeter. Power handling 100 W max; FR 58-16,000 Hz \pm 3 dB; imp 4 ohms; sens 93 dB SPL/W/m; crossover points 600 and 5,000 Hz. Oiled walnut finish. 19 1/4 x 42 1/4 x 12 3/4 in; 165 lb \$4,050/pr

BBSM-8F. As above. FR 65-18,000 Hz \pm 3 dB. 26 x 13 x 16 1/2 in; 90 lb \$3,600/pr

BBSM-6VF 3-Way Speaker

Ported design with dual 6-in woofers, 3 1/2-in midrange driver, and 1-in dome tweeter. Power handling 80 W max; FR 55-16,000 Hz \pm 3 dB; imp 4 ohms; sens 91 dB SPL/W/m; crossover points 600 and 6,000 Hz. Oiled walnut finish. 15 1/4 x 41 3/4 x 10 7/8 in; 95 lb \$3,375/pr

BBSM-6F. As above, power handling 60 W max; frequency response 60-20,000 Hz \pm 3 dB. 10 1/2 x 22 x 13 in; 55 lb \$2,800/pr

BBSM-4F 2-Way Speaker

Ported design with two 4-in woofers and 3 1/4-in dome tweeter. Power handling 50 W max; FR 65-20,000 Hz \pm 3 dB; imp 4 ohms; crossover point 1,500 Hz. 15 x 8 x 10 in; 26 lb \$1,800/pr

WHARFEDALE

Harewood 2-Way Speaker

Infinite-baffle design with 8-in mineral-filled polypropylene woofer and 1-in titanium-dome tweeter in alloy housing. Features cast-aluminum chassis; sandwich-mounted bass units; downward-firing flared-reflex port. Gold-plated biwire biamp terminals. Power handling 30 W cont avg; FR 39-25,000

Hz; sens 89 dB SPL/W/m; imp 8 ohms. Black-ash finish. 10 x 12 x 10 in; 36 lb \$2,375/pr

Model 519 3-Way Speaker

Infinite-baffle design with 8-in woofer, 5-in midrange, and 1-in ceramic-dome tweeter. Biwire biamp terminals. Power handling 100 W cont avg; FR 37-20,000; sens 87 dB SPL/W/m. Black-ash or mahogany veneer finish. 10 1/2 x 28 x 13 in \$1,500/pr

Model 517. As above, without 5-in midrange. FR 39-20,000 Hz. 10 1/2 x 21 x 12 1/2 in \$1,000/pr

Model 515. As above, FR 42-20,000 Hz. Black-ash finish. 10 1/2 x 15 1/2 x 12 in \$700/pr

Model 440/45 2-Way Speaker

Infinite-baffle design with two 8-in mineral-filled polypropylene woofers and 1-in metal-dome tweeter. Power handling 150 W max; FR 35-25,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms; crossover point 5,000 Hz. Black-ash finish. 10 x 31 1/2 x 11; 27 lb \$950/pr

Model 430/35. As above, power handling 125 W max; FR 38-20,000 Hz. 10 x 25 1/2 x 11 in \$750/pr

Model 2130 Subwoofer/Satellite System

Subwoofer with two 8-in drivers in push-pull configuration; two satellites, each with 4-in midrange and two 3/4-in metal-dome tweeters. Power handling 40 W cont avg; FR 35-22,000 Hz; sens 89 dB; imp 8 ohms. Black-vinyl finish. Sub: 12 1/2 x 8 x 19 3/4 in; 28. Satellite: 5 1/4 x 8 3/4 x 4 1/4 in; 13 lb \$600

Model 425 2-Way Speaker

Infinite-baffle design with 8-in mineral-filled polypropylene woofer and 1-in aluminum-dome tweeter. Power handling 100 W cont avg; frequency response 40-25,000 Hz; sens 88 dB SPL/W/m; crossover point 5,000 Hz. Black-ash or mahogany finish. 10 1/2 x 16 x 10 in \$475/pr

Model 415 2-Way Speaker

Infinite-baffle design with 6 3/4-in mineral-filled polypropylene woofer and 1-in aluminum-dome tweeter.



Wavefront Acoustics Peak Two Gold

S P E A K E R S

Power handling 100 W cont avg; frequency response 45-25,000 Hz; sensitivity 87 dB SPL/W/m; crossover point 3,500 Hz. Black-ash or mahogany finish. 9½ x 14 x 8 in \$375/pr

Diamond IV 2-Way Speaker

Ported design with 4¾-in mineral-filled polypropylene woofer and ¾-in metal-dome tweeter. Power handling 20 W cont avg; FR 50-25,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms; crossover point 3,500 Hz. 7¼ x 10½ x 7¼ in; 9 lb \$300/pr
Diamond III. As above, with 4½-in woofer and ¾-in dome tweeter. 7 x 9 x 8 in; 8 lb \$225/pr

WILSON AUDIO

WAMM Series VII 4-Way Speaker System

4-piece system with 16 drivers varying from 1 to 180-in. Features subwoofer, EO, and active crossover. Must be biamplified. Power handling 50 W min; FR 17-30,000 Hz ± 3 dB; sens 99 dB; imp 4 ohms; crossover points 55, 400, and 3,000 Hz. 1,850 lb \$125,000

Pow Whow II Powered Subwoofer

18-in driver; 400-W power amp. Active crossover included. FR 17-55 Hz ± 3 dB; crossover point 55 Hz. 5-yr warranty. 17 x 40 x 29 in; 260 lb \$12,720
WHOW II U. As above, must be biamplified. 210 lb \$9,390

WATT III 2-Way Speaker

Ported QB3 enclosure made of mineral and ceramic-filled polymer with 6½-in woofer and 1-in tweeter. FR 55-20,000 Hz ± 3 dB; sens 91 dBA SPL/W/m; imp 4 ohms. Diamond-black, El Dorado, Asian pearl, or Sierra granite finish. Wood side panels also come in variety of standard finishes. 5-yr warranty. 12 x 14 x 16½ in; 60 lb \$7,450

Puppy II Subwoofer

Two 8½-in low-mass polymer cone woofers with 2-in voice-coils. FR 28-125 Hz; sens 91 dBA SPL/W/m; imp 4 ohms. 5-yr warranty. 11¾ x 24 x 16 in; 77 lb/pr \$5,450

WOLCOTT

MDH-2B Omnisphere 2-Way Speaker

Bass-reflex design with four 6½-in polypropylene-cone, butyl-surround woofers, and 1½-in soft-dome tweeter. Features vertically aligned tweeter; closely spaced 6-in-radius sphere and hemisphere to form radial horn; auto electronic tweeter protection. Power

handling 250 W rms; FR 30-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms. Unit on casters with floor-loaded ports. High-gloss black-lacquer finish. 21 x 49 x 21 in; 110 lb \$5,995/pr
MDH-2C. As above. black base \$4,850/pr

YAMAHA

Tri-Sound A1 Subwoofer/Satellite System

Two NS-A325 satellites and YST-SW100 powered subwoofer \$599
Tri-Sound A2. As above, with YST-SW50 powered subwoofer \$499

YST-SW100 Powered Subwoofer

Active-servo-technology design with two 7-in cone woofers and 1¼-in air woofer. 70-W power amp into 5 ohms; magnetically-shielded cabinet. Line- and speaker-level inputs. Continuously variable high-pass filter with 24-dB/oct slope; volume control. FR 21-180 Hz. Black finish \$449

YST-SW50 Powered Subwoofer

Active-servo-technology design with 7-in driver. 50-W power amp into 6 ohms; magnetically shielded cabinet. Features variable high-pass filter (50-200 Hz) with 18-dB/oct slope. FR 25-200 Hz. Black finish. 8¼ x 18¾ x 13¼ in \$329

WSX-10 2-Way In-Wall Speaker

6¾-in woofer and 1-in tweeter. Power handling 80 W nom; FR 50-25,000 Hz; sens 89 dB SPL/W/m; imp 5 ohms. White paintable finish and grille. 8¾ x 12½ x 3¾ in \$200

SBX-10. New-construction bracket \$40/pr

NS-10M 2-Way Bookshelf Speaker

Acoustic-suspension design with 7-in white-cone woofer and 1¾-in soft-dome tweeter. Power handling 50 W nom; sens 90 dB SPL/W/m; imp 8 ohms. 8½ x 15 x 7¾ in \$199

NS-A102 Full-Range Speaker

Bass-reflex design with 4-in full-range driver. Designed for surround applications. Wall mountable. Includes stand. Power handling 30 W max. Gray finish. 8½ x 11½ x 3½ in \$89

NS-A325 2-Way Mini Speaker

Acoustic-suspension design with 3½-in coated hi-polymer woofer and ¾-in Mylar dome tweeter. Magnetically shielded cabinet. Power handling 120 W max; FR 150-22,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 6 ohms. Black finish. 7¾ x 4¾ x 4 in \$85

SB-325. Wall-mount speaker brackets for NS-A325; 2 swivel points \$60/pr

NS-A95 2-Way Speaker

Acoustic-suspension design with 4½-in woofer and 2-in cone tweeter. Designed for surround applications. Includes mounting bracket and speaker wire. Power handling 30 W; sens 91 dB SPL/W/m; imp 4 ohms. Black finish. 9 x 9 x 3½ in; 4.4 lb \$79/pr
NS-A90A. As above, white \$79/pr

R/2 Series Loudspeakers

NS-A1030 3-Way Speaker

10-in polycarbonate woofer, 5-in polycarbonate mid-range, and 1-in microcell dome tweeter. Power handling 180 W rms; FR 40-22,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 6 ohms. Solid-oak veneer finish \$700/pr
NS-A1035. As above, gloss-black finish \$700/pr

NS-A930 3-Way Bookshelf Speaker

8-in polycarbonate woofer, 5-in polycarbonate mid-range, and 1-in microcell dome tweeter. Power handling 160 W rms; FR 45-22,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 6 ohms. Solid-oak veneer finish \$500/pr
NS-A935. As above, black solid-oak top and vinyl sides \$500/pr

NS-A820A 2-Way Bookshelf Speaker

8-in polycarbonate woofer and 1-in microcell dome tweeter. Power handling 140 W rms; FR 50-22,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms. Oak-veneer finish \$360/pr
NS-A825A. As above, black-oak veneer \$360/pr

NS-A620A 2-Way Bookshelf Speaker

6½-in polycarbonate woofer and ¾-in microcell dome tweeter. Power handling 120 W rms; FR 60-22,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 6 ohms. Oak-veneer finish \$240/pr
NS-A625A. As above, black-oak veneer \$240/pr
NS-A615. As above, black-oak vinyl \$199/pr

Center-Channel Speakers

NS-C110 2-Way Center-Channel Speaker

Shielded cabinet with two 4¾-in cone woofers and 1-in soft-dome tweeter. Power handling 120 W max; FR 60-20,000 Hz; sens 92 dB SPL/W/m; imp 6 ohms. Black finish. 18¾ x 6 x 7¾ in \$199

NS-C90 Center-Channel Speaker

Shielded cabinet with two 4½-in full-range drivers. Power handling 100 W max; FR 60-20,000 Hz; sens 89 dB SPL/W/m; imp 6 ohms. Black finish. 17½ x 5¾ x 7¼ in \$149

NS-C70 Center-Channel Speaker

Shielded cabinet with two 4-in full-range drivers. Power handling 40 W nom; FR 70-20,000 Hz; imp 6 ohms. Black finish. 17½ x 5¾ x 6¼ in \$129

NS-APC10 Powered Center-Channel Speaker

Shielded cabinet with 4-in full-range driver. 25-W power amp. Black vinyl. 14 x 5¼ x 6¼ in \$129

NS-AC1 Center-Channel Speaker

Shielded cabinet with 4-in full-range driver. Black vinyl finish. 14 x 5¼ x 6¼ in \$75

YANKEE

FPR-78 PM Ribbon Speaker

Planar ribbon design using foil ribbons. Features full-range single diaphragm; crossoverless configuration; gold plated 5-way binding posts; proprietary Litz internal wiring. FR 22-20,000 Hz ± 2 dB; imp 4 ohms. Satine solid-hardwood finish. 35 x 78 x 3½ in; 225 lb \$11,900

FPR-72 Mk III. As above, 62% smaller drivers. FR 29-20,000 Hz ± 2 dB; imp 3 ohms. 29½ x 72 x 3½ in; 135 lb \$7,700

FPR-72 SL. Slim-line version of above \$7,000



Yamaha NS-A625A, NS-A1035, NS-A935, NS-A825A

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H E A D P H O N E S

AIWA

HP-X1000 Headphones

9 $\frac{7}{8}$ -ft coiled cord with gold-plated phone plug. Two 2 $\frac{1}{8}$ -in dome amorphous-diamond laminated diaphragms; glass-fiber-reinforced plastic baffles; copper-clad aluminum-wire voice coils. Includes adaptor. Power handling 1.5 W; FR 5-30,000 Hz; sens 103 SPL/W/m; imp 45 ohms. 8.8 oz \$125

HP-X500. As above, sapphire-laminated diaphragm. FR 5-27,000 Hz. 8.5 oz \$75

HP-X80 Headphones

Coiled cord with 24-karat gold-plated plug. Samarium-cobalt drivers; 1 $\frac{1}{4}$ -in carbon-disc flat diaphragms. 180°-turn ear pads. Includes plug adaptor \$95

HP-X50. As above, double-dome 1 $\frac{3}{8}$ -in driver units. Straight cord \$70

HP-X30. As above, fixed ear pad \$50

HP-V88 Earphones

24-karat gold-plated mini plug. Ear buds with samarium-cobalt drivers, double-dome diaphragms, 2 $\frac{3}{8}$ -in bass resonator ducts. Includes $\frac{1}{4}$ -in phone-plug adaptor and cord-winding carrying case \$80

HP-V57. As above, 1 $\frac{1}{4}$ -in resonator ducts, no $\frac{1}{4}$ -in adaptor. Features in-line volume control \$35

HP-V53. As above, no volume control \$28

HP-V25. As above, $\frac{5}{8}$ -in drivers. Includes 3 pairs of earpads \$22

HP-V12. As above, without case \$12

HP-X35 Headphones

26-ft OFC cord and 24-karat gold-plated mini plug. 1 $\frac{5}{8}$ -in-diameter drivers. Features in-line volume control and stereo/mono switch. Includes phone-plug adaptor. FR 5-23,000 Hz; sens 102 dB; imp 40 ohms. 4.9 oz \$60

HP-J7 Earphones

3.9-ft OFC cord and 24-karat gold-plated mini plug. Features $\frac{5}{8}$ -in, U-shaped bass resonator ducts. Includes cord-winding carrying case. FR 8-25,000 Hz; sens 105 dB; imp 16 ohms. 0.2 oz \$50

HP-A550 Open-Air Headphones

24-karat gold-plated mini plug. 1 $\frac{5}{8}$ -in-diameter double-dome driver units; $\frac{3}{4}$ -in bass-resonator ducts; copper-clad aluminum-wire voice coils. Includes phone-plug adaptor; double earpads \$33

HP-A350. As above, no double earpads \$27

HP-A300 Open-Air Headphones

4 $\frac{7}{8}$ -ft OFC cord and mini plug. 1 $\frac{1}{2}$ -in-diameter drivers; copper-clad aluminum-wire voice coils. Includes phone-plug adaptor. FR 10-20,000 Hz; sens 97 dB; imp 32 ohms. 1.7 oz \$20

AKG ACOUSTICS

K1000 Headphones

15-ft OFC cable with gold-plated XLR connector. Dynamic MC transducer magnet system; soft-leather earpads. FR 20-20,000 Hz; sens 74 dB; imp 120 ohms; power handling 1 W; THD 0.05%. 10 oz \$895

K340 Headphones

10-ft, 4-conductor cable with 3-conductor phone plug. 2-way design with fixed-charge electrostatic, MC transducer, and passive diaphragms in each earcup. FR 16-25,000 Hz; sens 88 dB; imp 400 ohms; power handling 200 mW; 13.3 oz without cable \$229

K500 Headphones

10-ft cord and mini plug. MC transducer in each earcup; soft-leather earpads. Includes adaptor. FR 15-27,000 Hz; sens 94 dB; imp 120 ohms; power handling 200 mW. 8.1 oz \$229

K270S Headphones

10-ft cord and phone plug. MC transducer in each earcup; auto on/off switch; vinyl-covered earpads. FR 20-20,000 Hz; sens 92 dB; imp 75 ohms; power handling 200 mW. 9.5 oz \$209



K270. As K270S, without auto on/off switch ... \$199

K280. As above, sens 94 dB. 8.8 oz \$199

K400 Headphones

10-ft cord and mini plug. MC transducer in each earcup; fabric-covered earpads. FR 20-26,000 Hz; sens 96 dB; imp 120 ohms; max power 200 mW. 9.5 oz \$189

K240 DF Headphones

10-ft cord and phone plug. Design based on European requirements for reference monitor headphones. FR 15-20,000 Hz \pm 2 dB; imp 600 ohms; sens 88 dB SPL/W/m. 8.4 oz \$169

K240M Headphones

10-ft cord and phone plug. MC transducer and 6 passive radiators in each circumaural cup. FR 15-20,000 Hz; imp 600 ohms; sens 88 dB SPL/W/m. 8.4 oz \$139

K-141/2 Headphones. 10-ft cord and phone plug. Imp 600 ohms. 8 oz \$119

K44 Headphones

6 $\frac{1}{2}$ -ft cord and phone plug. MC transducer in each earcup; foam/plastic earpads; adaptor. FR 20-24,000 Hz; max power 100 mW; sens 100 dB SPL/W/m; imp 50 ohms. 2.8 oz \$59

K33 Headphones

6 $\frac{1}{2}$ -ft cord and mini plug. MC transducer in each earcup; foam/plastic earpads; adaptor. FR 20-20,000 Hz; max power 100 mW; sens 100 dB SPL/W/m; imp 50 ohms. 2.8 oz \$49

AUDIO-TECHNICA

ATH-M3X Headphones

Mini plug with $\frac{1}{4}$ -in adaptor. Midsize closed-back design with leatherette earpads. FR 20-21,000 Hz; Imp 4-16 ohms; sens 100 dB SPL/W/m; 5 oz ... \$40

ATH-M2X Headphones

Mini plug with $\frac{1}{4}$ -in adaptor. Midsize open-back design with leatherette earpads. FR 20-20,000 Hz; imp 4-16 ohms; sens 100 dB SPL/W/m; 4 oz \$30

AZDEN

DM-100 Headphones

Gold-plated mini plug. 2-in drivers; neodymium magnets; copper-clad aluminum voice coils. Includes gold-plated adaptor plug. Max input 1 W; FR 3-28,000 Hz; sens 106 dB \$130

DM-90 Headphones

Gold-plated mini plug. 1 $\frac{5}{8}$ -in drivers; samarium-cobalt magnets; copper-clad aluminum voice coils. Includes gold-plated adaptor plug. Max input 800 mW; FR 4-26,000 Hz; sens 105 dB \$100

DM-70. As above, max input 500 mW; FR 6-24,000 Hz; sens 105 dB \$80

DM-40. As above, max input 200 mW; FR 15-22,000 Hz; sens 102 dB \$70

DSR-88 Earphones. Gold-plated mini plug. In-ear design with samarium-cobalt magnets. Includes adaptor. Max input 100 mW; FR 18-20,000 Hz; sens 102 dB \$50

BANG & OLUFSEN

Form 1 Headphones

9-ft cord with mini and phone plugs. Features semi-open design; lightweight self-adjusting earpads with tension-relief pads. Power handling 100 mW rms; sens 94 dB; imp 35 ohms. 5.5 oz \$130

Form 2 Headphones

9-ft 10-in cord with mini and phone plugs. Semi-open design; self-adjusting earpads. Power handling 100 mW rms; sens 94 dB; imp 30 ohms. 2.4 oz \$75

BEYERDYNAMIC

Unless otherwise noted, all models have a standard phone plug.

IRS 690 Wireless Headphones

DT 690 headphones, IS 690 infrared transmitter, LG 690 power supply. Built-in rechargeable 9 V battery; mono/stereo switch; volume control \$399

DT 48 Headphones. 10-ft coiled cord. FR 16-20,000 Hz \pm 2 dB; imp 200 ohms; sens 105 dB SPL/W/m; max power 96.8 mW. 14 oz without cord \$380

DT 911 Headphones

10-ft coiled cord with gold-plated plug. Features circumaural open design; neodymium rare-earth magnets. FR 5-35,000 Hz; imp 250 ohms; sens 115 dB SPL/W/m; 0.2% THD \$350

DT 48A Headphones. Audiometric-calibrated, reference design for acoustical measurements. FR 16-20,000 Hz; max power 200 mW; imp 5 ohms \$349

DT 901 Headphones

10-ft coiled cord with gold-plated plug. Features circumaural closed design; neodymium magnets; bass-reflex system. FR 5-30,000 Hz; imp 250 ohms; sens 115 dB SPL/W/m; THD 0.2% \$300

DT 990 PRO Headphones

Circumaural design with large, low-mass diaphragm. FR equalized to diffuse sound field. FR 5-35,000 Hz \pm 3 dB; imp 600 ohms; max power 100 mW; sens 96 dB at 1 mV/ch at 1,000 Hz. 8 oz \$275

DT 109 Headphones with Microphone

Detachable straight and coiled 10-ft cords. Dynamic boom mic attached. Available in numerous mic and headphone impedances. FR 30-20,000 Hz \pm 3 dB; imp 400 ohms; sens 94 dB SPL/W/m; max power 1 W; 14 $\frac{1}{2}$ oz with cord \$270

DT 880 Headphones. 10-ft cord. Semi-open circumaural design. FR 5-35,000 Hz \pm 3 dB; imp 600 ohms; sens 94 dB SPL/W/m; max power 100 mW \$250

DT 770 PRO Headphones

Circumaural design with large, low-mass diaphragms; bass-reflex system. FR equalized to diffuse sound-field. FR 15-30,000 Hz \pm 3 dB; imp 600 ohms; max power 100 mW; sens 96 dB at 1 mV/ch at 1,000 Hz. Includes $\frac{1}{2}$ -in connector. 9 oz \$250

DT 811 Headphones

10-ft coiled-cord with gold-plated plug. Features circumaural open design; neodymium magnets. FR 5-35,000 Hz; Imp 250 ohms; sens 114 dB SPL/W/m; 0.2% THD \$250

DT 108 Headphones with Microphone

Detachable 10-ft coiled and straight cords. Single-muff design with dynamic boom mic. Numerous mic

HEADPHONES

and headphone imps. Designed for extended wear-
ing. FR 30-20,000 Hz \pm 3 dB; imp 400 ohms stan-
dard; sens 94 dB SPL/W/m; max power 1 W... \$220

DT 100 Headphones

Detachable straight and coiled 10-ft cords. Numer-
ous imps. FR 30-20,000 Hz \pm 3 dB; sens 94 dB SPL/
W/m; max power 1 W. 12.5 oz with cord... \$200

DT 801 Headphones

10-ft coiled cord with gold-plated plug. Features cir-
cumaural closed design; neodymium rare-earth mag-
nets. FR 5-30,000 Hz; imp 250 ohms; sens 114 dB
SPL/W/m; 0.2% THD... \$200

DT 511 Open-Air Headphones.

10-ft coiled cord. Features circumaural open design; neodymium mag-
nets. FR 10-22,000 Hz; imp 250 ohms; sens 114 dB
SPL/W/m; THD 0.2%... \$160

DT 102 Disco Headphones

Designed for broadcast, recording, and disco cueing.
Detachable straight and coiled 10-ft cords. Numer-
ous imps. FR 30-20,000 Hz \pm 3 dB; sens 94 dB SPL/
W/m; max power 1 W... \$150

DT 411 Headphones

10-ft straight cord with mini plug. Includes phone-plug
adaptor. FR 15-20,000 Hz; imp 250 ohms; sens
102 dB SPL/W/m; THD 0.2%... \$120

DT 330 Mk II Headphones.

22-ft cord. Semi-open circumaural design. LR volume control; FR 15-18,000
Hz \pm 3 dB; imp 40 ohms; sens 85 dB SPL/W/m; max
power 100 mW... \$110

DT 311 Headphones.

10-ft straight cord with mini plug. Includes phone plug adaptor. FR 20-20,000 Hz;
imp 40 ohms; 0.3% THD... \$80

DT 211 Headphones.

10-ft cord with mini plug. Includes phone-plug adaptor. FR 30-18,000 Hz; imp
40 ohms; 0.3% THD... \$50

DT 211TV. As above, 20-ft straight cord. Independ-
ent LR volume controls; mono/stereo switch... \$60

CALRAD

Model 15-115 Headphones. 6-ft cord with phone
plug. Lightweight design. Imp 32 ohms. 6 oz... \$99

Model 15-148 Headphones. 6-ft cord with gold-
plated phone plug. Samarium-cobalt magnets. FR 18-
22,000 Hz; sens 105 dB SPL/W/m; imp 600 ohms;
max input power 300 mW. 6.5 oz... \$64

Model 15-120 Headphones. 7-ft cord with phone
plug. FR 20-22,000 Hz; sens 105 dB SPL/W/m; imp 40
ohms; max power 100 mW. 6 oz... \$35

Model 15-116 Headphones. 7-ft cord with phone
plug. FR 25-20,000 Hz; sens 95 dB SPL/W/m; imp 32
ohms; max power input 100 mW. 6 oz... \$26

COBY

CV-600 Headphones. Gold-plated mini and phone
adaptor plugs. 2 $\frac{1}{4}$ -in speakers with neodymium
magnets. FR 15-20,000 Hz; sens 103 dB SPL/W/m;
imp 32 ohms. 5.5 oz... \$70

CV-400 Headphones. Gold-plated mini and phone
adaptor plugs. 1 $\frac{1}{2}$ -in speakers with samarium-cobalt
magnets. FR 15-22,000 Hz; sens 103 dB SPL/W/m;
imp 32 ohms. 5.6 oz... \$50

CV-300 Headphones. Gold-plated mini and phone
adaptor plugs. 1 $\frac{1}{8}$ -in speakers with magnets. FR 18-
23,000 Hz; sens 103 dB SPL/W/m; imp 32 ohms. 5.3
oz... \$40

CVH-80 Headphones. Gold-plated mini and phone
adaptor plugs. 1 $\frac{1}{8}$ -in speakers with rare earth mag-
nets. FR 18-23,000 Hz; sens 102 dB SPL/W/m; imp 24
ohms. 2.3 oz... \$19.95

CV-E08 Earphones. Samarium-cobalt magnets. FR
18-22,000 Hz; sens 102 dB SPL/W/m; imp 32 ohms.
0.8 oz... \$14.95

DATAWAVE

WH-200 Wireless Headphones

150-ft range. Dual-channel battery operation. Vol-
ume controls; selectable transmitting channels. In-
cludes T-200 transmitter, dc power supply, stereo
patch cord, stereo RCA-to-RCA patch cord, and
mini-to-phone plug adaptor. FR 80-10,000 Hz; sens 5
dB; S/N 50 dB. 5 oz... \$100

DENON

AH-D950 Headphones

10-ft flat cord with gold-plated mini plug. Features 50-
mm vaporized-diamond drivers; neodymium mag-
nets; OFC copper-wire voice coils. Simulated-leather
earpads. Includes phone-plug adaptor. FR 2-31,000
Hz; sens 106 dB/mW; max input 1.5 W; imp 30 ohms.
9 oz... \$150

AH-D750. As above, 50-mm vaporized-titanium driv-
ers, 10-ft crystal OFC cord. FR 2-30,000 Hz... \$125

AH-D650 Headphones

10-ft flat cord with gold-plated mini plug. Features 50-
mm high-polymer film drivers; neodymium magnets;
OFC copper-wire voice coils. Simulated-leather ear-
pads. Includes phone-plug adaptor. FR 3-29,000 Hz;
sens 106 dB/mW; max input 1.2 W; imp 35 ohms. 7
oz... \$100

AH-D550. As above, copper-clad aluminum-wire
voice coils. FR 3-28,000 Hz... \$75

AH-D350. As AH-D550. FR 3-26,000 Hz; sens 104
dB/mW; max input 0.8 W; imp 32 ohms. 7.5 oz... \$60

AH-D210 Headphones

10-ft high-purity OFC copper-wire flat cord with gold-
plated mini plug. Features 40-mm high-polymer film
drivers; copper-clad aluminum-wire voice coils. Sim-
ulated-leather earpads. Includes phone-plug adap-
tor. FR 5-26,000 Hz; sens 104 dB/mW; max input 0.8
W; imp 32 ohms. 5.6 oz... \$50

DISCWASHER

Headphones

PRO 80. Lifetime warranty... \$50
HP 70. As above... \$45
HP 60. As above... \$40
HP 50. As above... \$30
HP 40. As above... \$24

Earphones

DR-70. Lifetime warranty... \$28
DR-60. Limited warranty... \$17.99
Micro 50. As above... \$9.99
Micro 40. As above... \$7.99
Micro 30. As above... \$4.49

Open-Air Headphones

PRO 610. Lifetime warranty... \$25
PRO 510. As above... \$17.99
HP 310. Limited warranty... \$11.99
PRO 410. As HP 310... \$9.99
HP 110. As HP 310... \$3.99

GRADO

SR300 Headphones

7-ft round coil with phone plug. Adjustable headband;
foam-covered ear cups. FR 20-25,000 Hz; sens 94 dB
1 mV/ch; imp 40 ohms. 8 oz... \$275
SR200. As above, FR 10-25,000 Hz... \$200
SR100. As above, FR 10-30,000 Hz... \$150

JASCO

Digital Series

HE + 476 Headphones

10-ft cord with gold-plated mini plug and phone-plug
adaptor. Features full-size ear cushions; 1 $\frac{1}{8}$ -in sa-

marium-cobalt magnets. FR 20-20,000 Hz; sens 104
dB; imp 32 ohms... \$28

HE+ Headphones. OFC Litz cord with phone-plug
adaptor. Soft leatherette earpads... \$28

HE+ 486 Headphones. 9-ft cord with gold-plated
mini plug and phone-plug adaptor. Features single-
entry OFC Litz wire cord. FR 20-20,000 Hz; sens 103
dB; imp 32 ohms... \$27

HE+ 474 Headphones. 6-ft cord with gold-plated
connectors and phone-plug adaptor. FR 20-20,000
Hz; sens 100 dB; imp 32 ohms... \$15.49

HE+ 441 Earphones. Short and long cords with
gold-plated mini plug and phone-plug adaptor. In-
cludes carrying case. FR 18-22,000 Hz; sens 104 dB;
imp 32 ohms... \$12.49

Lite-Line Series

HE+ 456 Open-Air Headphones. 4-ft cord with
gold plated mini plug and phone-plug adaptor. Fea-
tures detachable earphones. FR 20-20,000 Hz; imp
32 ohms; sens 100 dB... \$9.29

HE+ Open-Air Headphones. 4-ft cord. Features
two $\frac{1}{4}$ -in speakers. FR 20-18,000 Hz; imp 32 ohms;
sens 90 dB. FR 150-20,000; imp 8 ohms; sens 90
dB... \$8.99

HE+ 436 Earphones. 4-ft cord with gold-plated mini
plug. Includes storage case. FR 20-20,000 Hz; imp 32
ohms; sens 100 dB... \$6.99

HE+ 435 Earphones. 4-ft cord. Includes winding
case; set of foam earpads. FR 20-18,000 Hz; imp 32
ohms; sens 96 dB... \$3.99

HE+ 472 Open-Air Headphones. 4-ft cord. Fea-
tures foam ear pads. FR 20-20,000 Hz; imp 32 ohms;
sens 98 dB... \$3.99

HE+ 463 Open-Air Headphones. 4-ft cord. Fea-
tures foam ear pads. FR 20-18,000 Hz; imp 32 ohms;
sens 90 dB... \$2.59

JECKLIN

JJ Float Electrostat Headphones. 14 $\frac{3}{4}$ -ft cord with
3 $\frac{3}{8}$ x 3 $\frac{3}{8}$ -in membranes. Features thin membranes
suspended between 2 electrodes. FR 20-20,000 Hz;
imp 4/16 ohms. 21 oz... \$650
PS-2. Power supply for above, adaptable to any amp.
Accommodates 2 sets of headphones... \$330

JJ Float II Headphones. 9-ft cord with 2 dynamic-
drive units with thin-membrane diaphragms. FR 30-
20,000 Hz; imp 200 ohms. 13 oz... \$200

JJ Float I Headphones. 9-ft cord with 2 dynamic-
drive units with thin-membrane diaphragms. FR 35-
20,000 Hz; imp 200 ohms. 13 oz... \$159

JOSEPH GRADO SIGNATURE

HP-1 Headphones

7-ft cord with phone plug. Features foam-covered ear
cups, hand-stitched leather headband. Frequency
response 18-24,000 Hz; sensitivity 96 dB SPL/W/m;
imp 40 ohms. 14 oz... \$595
HP-2. As HP-1, with non-leather matching head-
band... \$495
HP-3. As HP-1, with non-leather headband... \$395

JVC

All models, except for HA-D990, have plug adap-
tors.

HA-W7C Wireless Headphones. 24-karat gold-plat-
ed plug with 7-m operating range. Features 30-mm
mc drivers; auto power off; LR separate volume con-
trol. FR 16-28,000 Hz. 9.9 oz with batteries... \$250

H E A D P H O N E S

HA-D990 Headphones

3-m cord with 24-karat gold-plated plug. Features 1 $\frac{1}{8}$ -in diaphragms; MC design; samarium-cobalt magnets. FR 5-27,000 Hz; nom imp 65 ohms; sens 106 dB/mW at 1,000 Hz. 10.3 oz with cord . . . \$120
HA-D700. As above, FR 5-28,000 Hz; nom imp 32 ohms. 8.8 oz with cord . . . \$90

HA-D690 Headphones

3-m OFC cord with 24-karat gold-plated plug. Features MC design; 1.2-in titanium-evaporated diaphragms; 1 $\frac{1}{4}$ -in drivers; neodymium magnets. FR 10-26,000 Hz. nom imp 32 ohms. 9.3 oz with cord . . . \$70

HA-D590 Headphones

3-m OFC cord with 24-karat gold-plated plug. Features MC design; 1.2-in polymer-film diaphragms; 1 $\frac{1}{4}$ -in drivers; neodymium magnets. FR 10-26,000 Hz. nom imp 32 ohms. 9.3 oz with cord . . . \$60

HA-D490 Headphones

3-m OFC cord with 24-karat gold-plated plug. Features MC design; 1.2-in polymer-film diaphragms; 1 $\frac{1}{4}$ -in drivers. FR 20-20,000 Hz; nom imp 32 ohms; sens 98 dB/mW at 1,000 Hz. 8.3 oz with cord . . . \$45

HA-D500 Headphones

3-m cord with 24-karat gold-plated plug. Features MC design; 1.2-in polymer-film diaphragms; 1 $\frac{1}{4}$ -in drivers. FR 10-23,000 Hz; nom imp 40 ohms; sens 102 dB/mW at 1,000 Hz. 5.3 oz with cord . . . \$40

HA-D400 Headphones

2-m cord with 24-karat gold-plated plug. Features MC design; 1.2-in polymer-film diaphragms; 1 $\frac{1}{4}$ -in drivers. FR 20-20,000 Hz; nom imp 32 ohms; sens 97 dB/mW at 1,000 Hz. 4.2 oz with cord . . . \$35

HA-CD77 Open-Air Headphones

2-m cord with 24-karat gold-plated plug. Features MC design; 1.2-in polymer-film diaphragms; 1 $\frac{1}{4}$ -in drivers; square-shaped earcups. FR 15-22,000 Hz; nom imp 32 ohms; sens 102 dB/mW at 1,000 Hz. 2.7 oz with cord . . . \$35

KENWOOD

KH-959 Headphones. 4 $\frac{1}{2}$ -ft OFC cord. FR 15-25,000 Hz; sens 110 dB/mW. With soft carrying case . . . \$45

KH-535B Headphones. 4-ft cord. FR 18-22,000 Hz; sens 105 dB/mW. Black . . . \$30

KH-535W. As above. white . . . \$30

KOSS

ESP/950 Electrostatic Headphones

Circumaural open-air design. Features minimal acoustic damping; low-mass electrostatic element. Includes energizer/amplifier, battery pack, adaptor cords, and leather carrying case . . . \$2,000

JCK 300 Kordless Headphones. Battery-powered wireless system with infrared transmitter and modulator. FR 20-20,000 Hz; left carrier frequency 95 kHz, right 250 kHz . . . \$275

JCK/200-S Kordless Headphones. Circumaural wireless system with transmitter and AC adaptor. FR 20-20,000 Hz \pm 3 dB . . . \$160

Pro/4XL Headphones. Features titanium-coated diaphragm; copper-clad aluminum voice coils. FR 10-25,000 Hz . . . \$130

Pro/4XTC Headphones. Dynamic element with semi-open earcups. FR 10-24,000 Hz; imp 93 ohms; sens 100 dB SPL/W/m . . . \$100

Pro/4AA Headphones. Features 1-in voice coils. FR 10-22,000 Hz . . . \$99

TNT/88 Headphones. Gold-plated plug and adaptor. Circumaural design with titanium-nitride diaphragms. FR 15-30,000 Hz; sens 94.5 dB; imp 60 ohms . . . \$90

HV/Pro Headphones. 8-ft cord with phone-plug adaptor. Features dual-suspension design; volume/balance control . . . \$75

TNT/77 Open-Air Headphones. Gold-plated plug and adaptor. Titanium-nitride diaphragms; adjustable temporal pad design. FR 15-20,000 Hz; sens 91.5 dB; imp 60 ohms . . . \$70

PortaPro Headphones. 5-ft cord with mini plug and phone plug. Folding design with pivoting earcups. 2.5 oz with cord . . . \$50

TNT/66 Headphones. Gold-plated plug and adaptor. Circumaural design with titanium-nitride diaphragms. FR 20-20,000 Hz; sens 93.5 dB; imp 60 ohms . . . \$50

HV/1A Plus Headphones

10-ft cord. Low-mass Decilite drivers. Sponge ear cushions; headband with self-adjusting pivoting yokes. FR 15-30,000 Hz \pm 3 dB; THD 0.5% at 100 dB SPL; sens 0.9 V rms for 100 dB SPL. 10.1 oz . . . \$50

MAC/7 Headphones

8-ft cord. Lightweight design featuring closed-vinyl ear cushions and oversized, soft-vinyl adjustable headband. FR 20-20,000 Hz; sens 95 dB; imp 60 ohms. 5.5 oz . . . \$50

CD/4 Headphones. 8-ft cord. Lightweight design with titanium-nitride-coated diaphragms. Features foam ear cushions; pivoting earcups. FR 20-20,000 Hz; sens 90 dB; imp 60 ohms. 3.3 oz . . . \$45

Porta/Pro Jr. Headphones . . . \$40

TNT/55 Headphones. phone-plug adaptor. Features titanium-coated diaphragms; self-supporting voice coils. FR 15-25,000 Hz . . . \$40

TD/70 Headphones. 10-ft cord. Features closed, leatherette ear cushions; volume control on cord. FR 20-20,000 Hz; sens 94 dB; imp 100 ohms. 9.3 oz \$40

CD/3 Headphones. 8-ft cord, electrodynamic element. Features soft-vinyl supra-aural cushion; pivoting earcups. FR 15-20,000 Hz; sens 90 dB; imp 60 ohms. 3.6 oz . . . \$35

MAC/5 Headphones. 4-ft cord with mini and phone plugs. Lightweight design. FR 20-20,000 Hz; sens 95 dB; imp 60 ohms. 3.4 oz . . . \$30

TD/50 Headphones. 8-ft cord. Features self-adjusting slide bars; washable cushions; mini-mono adaptor. Includes spare cushions. FR 18-20,000 Hz; imp 100 ohms . . . \$25

TD/60 Headphones. Lightweight circumaural design. Features pivoting earcups; adjustable headband. FR 18-20,000 Hz . . . \$20

KX/4 Open-Air Headphones. FR 20-20,000 Hz; imp 32 ohms; sens 91 dB . . . \$20

LS/9 Earphones. Earbud design with collapsible headband. FR 20-20,000 Hz; imp 32 ohms; sens 84 dB . . . \$20

KX/3 Open-Air Headphones. FR 25-20,000 Hz; imp 32 ohms; sens 91 dB . . . \$16

LS/7 Earphones. Earbud design with removable headband. FR 20-20,000 Hz; imp 32 ohms; sens 98 dB . . . \$15

KX/2 Open-Air Headphones. FR 30-20,000 Hz; imp 16 ohms; sens 84 dB . . . \$10

LS/6 Earphones. Earbud design with carrying case. Frequency response 20-20,000 Hz; impedance 32 ohms; sensitivity 98 dB . . . \$10

Light Switch Headphones. Mini L-plug. Made of ethylene-vinyl acetate; changes from pink to deep

purple when exposed to sun. FR 20-20,000 Hz; THD 1.5%. 1.5 oz . . . \$9.99

MAXELL

HP-2000 Headphones. OFC cord with gold-plated phone-plug adaptor . . . \$25

HP-1000 Headphones. Gold-plated phone-plug adaptor. Full-size with soft-ear cushions . . . \$19.99

HP-600 Earphones. Gold-plated phone-plug adaptor. Lightweight with replacement foam pads. \$14.99

HP-500 Open-Air Headphones. Gold-plated phone-plug adaptor. Lightweight with adjustable headband . . . \$14.99

HP-400 Earphones. Contoured to fit in ear for listening. Includes replacement earpads, travel pouch . . . \$9.99

HP-300 Open-Air Headphones. Adjustable earpads. Includes replacement ear cushions, phone-plug adaptor . . . \$9.99

HP-200 Open-Air Headphones. Lightweight with adjustable headband . . . \$5.99

HP-100 Earphones. Lightweight design. Includes storage case, replacement earpads . . . \$4.99

MEMOREX

EDM-770 Headphones. Circumaural design with flat cord and mini plug. Includes phone-plug adaptor. FR 5-30,000 Hz; sens 107 dB SPL/W/m; imp 70 ohms. 7 oz . . . \$120

PSS-100 Headphones. 25-ft cord with 2 gold-plated phone plugs. 4 speaker elements . . . \$100

EDM-550 Open-Air Headphones. Coiled cord and mini plug. Includes adaptor. FR 5-25,000 Hz; sens 102 dB SPL/W/m; imp 60 ohms . . . \$85

EDM-330 Headphones. Coiled cord and mini plug. Includes adaptor. FR 15-22,000 Hz; sens 102 dB SPL/W/m; imp 40 ohms . . . \$60

EDM-110 Open-Air Headphones. Flat cord and mini plug. Includes adaptor. FR 5-25,000 Hz; sens 100 dB SPL/W/m; imp 25 ohms . . . \$50

SLS-9 Headphones. Circumaural design with flat cord and mini plug. Includes adaptor. Available in white, champagne, or metallic charcoal. FR 20-20,000 Hz; sens 96 dB SPL/W/m; imp 32 ohms . . . \$30

DL-100 Headphones. FR 18-22,000 Hz; sens 102 dB SPL/W/m; imp 32 ohms . . . \$20

Sonic-Lite Series

SL-88 Earphones
 In-ear design with samarium-cobalt magnets. Features contoured shape; gold-plated connectors; mini plug and mini-to-phone-plug adaptor. Frequency response 20-20,000 Hz \pm 3 dB; impedance 16 ohms; power handling 30 mW; sensitivity 106 dB at 1 mV/ch at 1,000 Hz. 2 oz . . . \$15

SL-90 Headphones
 Samarium-cobalt magnets. Features gold-plated connectors; mini plug and mini-to-phone-plug adaptor. FR 20-20,000 Hz \pm 3 dB; imp 32 ohms; max power 100 mW; sens 100 dB at 1 mV/ch at 1,000 Hz. 0.5 oz . . . \$15

SL-60 Headphones
 45-in cord with mini plug. Features lightweight design; adjustable headband; soft-ear cushions. Includes mini-to-phone-plug adaptor. FR 50-18,000 Hz \pm 3; imp 32 ohms; max power 100 mW; sens 92 dB at 1 mV/ch at 1,000 Hz. 1.75 oz . . . \$10

H E A D P H O N E S

NADY

WH-95 Audiophile Wireless Headphones

Compact bodypack designed receiver with transmitter. Transmitter accepts 3 sources and has 150-ft range. Includes AC adaptor, RCA plug patch cords, earphones \$250

WH-90 Wireless Headphones

Crystal-controlled battery powered 49-MHz radio transmitter/receiver. On/off switch; volume control. Includes compact base unit with folding telescopic antenna. Ch sep 45 dB max; THD 0.2%. \$125
Additional headphones \$70

NAKAMICHI

SP-7 Headphones

10-ft cable with phone plug. Lightweight design utilizing 25-micron-thick polyester film with 40.5-mm diameter and 18.3-mm voice coils. Power handling 100 mW max; FR 20-20,000 Hz; imp 45 ohms \$100

NIKKO

NH 500 IR Wireless Headphones

Infrared transmitter, gold-plated mini and phone plugs. Samarium cobalt magnets; gold-plated diaphragms; auto-mute circuit; closed-back design. Volume control; adjustable headband; 33-ft range; vinyl earcup coverings. Includes 2 AA batteries. FR 20-23,000 Hz \pm 3 dB; imp 32 ohms; THD 0.6% at 95 dB SPL. 10 oz \$159

NH 200 DD Headphones

10-ft ribbon cord with gold-plated mini and phone plugs. 2-in woofer and 1/4-in tweeter; copper clad aluminum wire voice coils; closed-back design. Adjustable headband; detachable washable earpads; vinyl earcup coverings. FR 3-30,000 Hz; imp 32 ohms; sens 101 dB SPL for 1 mW input; max input 300 mW; THD 0.35% at 95 dB SPL. 9.5 oz \$79

NH 100 Open-Air Headphones

9-ft ribbon cord with gold-plated mini and phone plugs. 2-in driver; open-back design. Adjustable headband; detachable washable earpads; vinyl earcup coverings. FR 15-20,000 Hz; imp 32 ohms; sens 103 dB SPL for 1 mW input; max input 100 mW; THD 0.4% at 95 dB SPL. 6.25 oz \$49

NH 50 Headphones

7-ft cord with gold-plated mini and phone plugs. Samarium cobalt magnets; 1/8-in diaphragms; closed-back design. Adjustable headband; detachable washable earpads; vinyl earcup coverings. FR 20-20,000 Hz; imp 32 ohms; sens 105 dB SPL for 1 mW input; max input 100 mW; THD 0.2% at 95 dB SPL. 3.5 oz \$29

ONKYO

DP-600 Headphones. Soft earpads; 1 3/4-in drivers; closed housing with open back \$110

DP-400 Headphones. 1 7/8-in polymer-film diaphragms; closed housing with open back; neodymium magnets \$70

DP-200 Open-Air Headphones. Lightweight design; 1 3/8-in high-polymer film diaphragms; ferrite magnets \$40

PANASONIC

EAH-X250 Headphones

10-ft cord with phone plug. Features closed-back, 2-way design with 1 3/4-in dome woofers and 1/4-in dome tweeters. Includes mini adaptor. FR 2-30,000 Hz; sens 106 dB; imp 55 ohms at 1,000 Hz. 10.6 oz \$180

EAH-X150 Headphones

10-ft cord with phone plug. Features closed-back design with 1 1/2-in dome drivers. Includes mini-plug

adaptor. FR 5-35,000 Hz; sens 107 dB; imp 63 ohms at 1,000 Hz. 4.8 oz \$130

EAH-X120 Headphones

10-ft cord with mini plug. Features closed-back headphones with 1 1/2-in dome drivers. Includes phone-plug adaptor. FR 8-33,000 Hz; sens 107 dB; imp 45 ohms at 1,000 Hz. 4.6 oz \$95

EAH-X80 Headphones. 10-ft cord; mini adaptor. Closed-back headphones with 1 1/2-in dome drivers. FR 8-30,000 Hz; sens 105 dB; imp 45 ohms at 1,000 Hz. 4.4 oz \$55

EAH-S24 Open-Air Headphones. 4-ft cord with mini plug. Features adjustable headband. Includes phone-plug adaptor. Sens 100 dB; imp 32 ohms at 1,000 Hz. 1.5 oz \$20

EAH-Z9 Earphones. 3 1/2-ft cord with mini plug. Features folding headband and removable speakers. FR 30-20,000 Hz; sens 102 dB; imp 16 ohms at 1,000 Hz. 0.7 oz \$18

PFANTONE

MHP-77CD Headphones

4 1/2-ft cord with gold-plated mini plug. Features samarium cobalt magnets; Mylar cone drivers. Includes gold-plated phone-plug adaptor. Designed for CD and DAT system use \$45

MHP-44 Headphones. 46-in cord. Features 1-in Mylar cone drivers; ferrite magnets. Includes phone-plug adaptor; replacement ear cushions. FR 20-15,000 Hz; imp 32 ohms. 1.4 oz \$10.95

MHP-88 Headphones. 5-ft cord. Features 1-in Mylar cone drivers; samarium cobalt magnets; folding design. FR 20-20,000 Hz; imp 32 ohms. 1.3 oz \$9.95

MHP-55 Earphones. 46-in cord. Features 1/2-in Mylar cone drivers; ferrite magnets. Includes storage case. FR 20-15,000 Hz; imp 32 ohms. 0.2 oz \$8.95

MHP-33 Headphones. 46-in cord. Features 1-in Mylar cone drivers; ferrite magnets. FR 20-15,000 Hz; imp 32 ohms. 1.4 oz \$7.95

PICKERING

CD-5 Headphones

7 1/2-ft cord with gold-plated phone plug and mini-plug adaptor. Features high-velocity elements with polyester-film diaphragms and samarium-cobalt magnets. FR 20-20,000 Hz; sens 110 dB SPL/W/m \$79

CD-4 Headphones

7 1/2-ft cord with gold-plated plug. FR 20-20,000 Hz; sens 110 dB SPL/W/m \$66

CD-2 Headphones. 7 1/2-ft Y-type 4-conductor cord with phone plug. Features samarium-cobalt drivers. FR 20-20,000 Hz \$50

CD-1 Headphones. 7-ft Y-type cord with gold-plated mini plug and phone-plug adaptor. Elliptical-shaped headphones. FR 20-20,000 Hz; sens 105 dB \$35

OA-99P Earphones. 5-ft cord with mini plug and phone-plug adaptor. FR 20-20,000 Hz; sens 105 dB SPL/W/m \$30

Featherphone 102 Earphones. FR 20-20,000 Hz; sens 92 dB \$25

OA-88 Earphones

4-ft cord with mini plug. Samarium-cobalt drivers; detachable headband; replaceable foam cushions. Sens 98 dB SPL/mW at 1,000 Hz; distortion 0.5% at 100 dB; imp 32 ohms at 1,000 Hz \$25

OA-66P Earphones

Mini plug and phone-plug adaptor. Features strontium-ferrite magnets; replaceable foam-ear cush-

ions. FR 20-20,000 Hz; sens 92 dB SPL/mW at 1,000 Hz; distortion 0.5%; imp 32 ohms \$15

PIONEER

All weights do not include the connection cord.

SE-M70 Headphones

16-ft, 5-in OFC cord with gold-plated mini plug. Features 1 1/2-in ceramic-titanium diaphragms; supra-aural earpad design. Includes phone-plug adaptor. FR 3-50,000 Hz; power handling 1 W/ch; imp 32 ohms. 9 oz \$105

SE-M50 Headphones

16-ft, 5-in cord with gold-plated mini plug. Features 1 1/2-in ceramic-titanium diaphragms; circumaural earpad design. Includes phone-plug adaptor. FR 3-50,000 Hz; power handling 1 W/ch; imp 32 ohms. 8.1 oz \$75

SE-500D Headphones. 9-ft, 10-in OFC Litz cord. Imp 35 ohms; power handling 1 W/ch; FR 5-28,000 Hz. 6.3 oz \$75

SE-400D Headphones. 9-ft, 10-in OFC Litz cord. Imp 35 ohms; power handling 0.5 W/ch; FR 5-26,000 Hz. 6.2 oz \$65

SE-205 Headphones. 8-ft, 2-in cord cord. Features adjustable headband. FR 20-20,000 Hz; power handling 0.5 W/ch; imp 10 ohms. 1 lb \$48

SE-52 Open-Air Headphones. 8-ft, 2-in OFC Litz cord. Features 1 1/4-in polyethylene diaphragms. Imp 40 ohms; power handling 0.15 W/ch; FR 10-25,000 Hz. 3.7 oz \$47

REALISTIC by RADIO SHACK

Pro 80 Headphones

8-ft OFC cord with gold-plated phone plug. Features 1 7/8-in samarium-cobalt drivers; 16-micron titanium diaphragms. In-line volume control; adjustable locking headband. FR 15-25,000 Hz \$70

Pro 60 Headphones. 10-ft coiled cord with phone plug. Features variable-density ear cushions. THD 0.5%. 8 oz \$50

Pro 25 Headphones. OFC cable. In-line volume control; cushioned cups. FR 15-25,000 Hz \$40

LV/20 Headphones

8-ft cord. Features 2-in drivers; anisotropic ferrite magnets. In-line volume control. FR 20-20,000 Hz; THD 0.5% at 95 dB SPL, 1,000 Hz \$40

Nova 66 Headphones. 10-ft coiled cord with phone plug. Features in-line volume/balance control; foam earcups; adjustable headband \$35

Nova 55 Headphones. Mini plug. Features samarium-cobalt magnets. FR 20-20,000 Hz \pm 3 dB; imp 3.2-600 ohms. 3 oz \$30

RECOTON

HTS Series

HTS-90 Headphones

8-ft cord with gold-plated phone plug. 1 5/8-in samarium-cobalt magnets; titanium diaphragms; aluminum voice coils; OFC wiring. FR 5-30,000 Hz; sens 98 dB; imp 40 ohms \$150

HTS-80 Headphones

8-ft cord with gold-plated phone plug. 1 5/8-in samarium-cobalt magnets; titanium/Mylar diaphragms; aluminum voice coils; OFC wiring. FR 10-30,000 Hz; sens 102 dB; imp 40 ohms \$100

HTS-60 Headphones

8-ft cord with gold-plated phone plug. 1 5/8-in samarium-cobalt magnets; titanium diaphragms; aluminum

H E A D P H O N E S

voice coils; OFC wiring. FR 10-30,000 Hz; sens 102 dB; imp 40 ohms \$80

HTS-50 Earphones. 3.3-ft cord with gold-plated mini plug. OFC wiring. Includes extra ear cushions and storage case. FR 18-22,000 Hz; sens 104 dB; imp 16 ohms \$40

Pro Series

Pro-75 Headphones. 9-ft cord with gold-plated phone plug. 1 $\frac{1}{2}$ -in samarium-cobalt magnets; Mylar diaphragms; OFC wiring. FR 18-22,000 Hz; sens 104 dB; imp 32 ohms \$40

Pro-65 Headphones. 9-ft cord with gold-plated phone plug. 1 $\frac{1}{4}$ -in ferrite magnets; Mylar diaphragms; OFC wiring. FR 20-22,000 Hz; sens 102 dB; imp 32 ohms \$35

Pro-45 Open-Air Headphones. 8-ft cord with gold-plated phone plug. 1 $\frac{1}{4}$ -in samarium-cobalt magnets; Mylar diaphragms; OFC wiring. FR 18-22,000 Hz; sens 98 dB; imp 32 ohms \$25

SENNHEISER

HE/HEV 90 Powered Electrostatic Headphones
Circumaural design. Features glass diaphragms with gold-vapor-deposit coating; wood/epoxy-laminate earcups; 400-W tube amp with built-in D/A converters \$12,900

HDC 450 Noise-Cancellation Headphones
Uses active feed-forward servo mechanism to attenuate frequencies from 100-800 Hz by 10 dB. Belt-clip battery power supply accepts mini plug \$990

HD 540 Gold Open-Air Headphones
10-ft stranded-steel cable with 24-karat gold-plated phone plug. Limited-edition black-matte design. FR 16-25,000 Hz; sens 94 dB SPL/W/m; THD 0.4%; 8.7 oz \$359

PLS 100 Audiolink Wireless Headphones. Mono \$280
PLS 200. Stereo version of above \$395

HD 560 II Open-Air Headphones
Stranded-steel cable. Features neodymium-ferrous magnets; aluminum driver coils; dome damped silk diaphragms. Imp 300 ohms; sens 84 dB SPL/W/m; THD 0.2%. 8.8 oz \$279

HD 250 II Headphones. Closed-cushion design with resonance-free transmission. FR 16-25,000 Hz; sens 94 dB SPL/W/m; THD 0.2%; imp 300 ohms. 8.7 oz \$239

HD 25 Open-Air Headphones. 10-ft cord. FR 16-30,000 Hz; sens 105 dB SPL/W/m; THD 0.5%; imp 70 ohms. 5 oz \$229

HD 540 II Open-Air Headphones. Features integral acoustical silk damping diaphragms; FR 16-25,000 Hz; sens 94 dB SPL/W/m; THD 0.4%; imp 300 ohms. 8.7 oz \$199

HD 530 II Open-Air Headphones. 10-ft cord. FR 20-25,000 Hz; sens 94 dB SPL/W/m; THD 0.3%; imp 300 ohms. 8.3 oz \$189

HD 520 II Open-Air Headphones. Neodymium-ferrous magnets. FR 18-22,000 Hz; sens 94 dB SPL/W/m; THD 0.3%; imp 300 ohms. 7.5 oz \$169

HD 490 Headphones. 10-ft cord. FR 18-22,000 Hz; sens 94 dB SPL/W/m; THD 0.1%; imp 70 ohms. 4.8 oz \$129

HD 480 Open-Air Headphones. 10-ft steel-stranded cable with phone-plug adaptor. Features neodymium iron magnets; cushioned headband. frequency response 18-22,000 Hz; sensitivity 94 dB SPL/W/m; total harmonic distortion 1%; impedance 70 ohms. All components replaceable. 4.6 oz \$119

HD 450 Studio Headphones. 10-ft cord. FR 20-20,000 Hz; sens 94 dB SPL/W/m; THD 1%; imp 600 ohms. 4.8 oz \$109

HD 450 II Headphones. 10-ft stranded-steel cable with phone adaptor. Features neodymium iron magnets. FR 20-20,000 Hz; sens 94 dB SPL/W/m; THD 1%; imp 60 ohms. Components replaceable. 4.6 oz \$99

HD 55 Open-Air Headphones. 3-ft cord with mini plug. Compact design with neodymium-ferrous magnets. FR 18-20,000 Hz; sens 105 dB SPL/W/m; THD 0.1%; imp 32 ohms \$69

SENTRY

Model 880 Headphones. Litz cord. Features 1 $\frac{1}{2}$ -in samarium cobalt speakers; leather earpads. FR 20-20,000 Hz; imp 32 ohms; sens 105 dB; FR 50-10,000 Hz \$50

HO268 Headphones. 4-ft shielded cord with mini plug. Features 1-in cone drivers. Includes phone-plug adaptor. FR 20-20,000 Hz; imp 32 ohms; sens 92 dB \$10.95

HO168 Headphones. 4-ft shielded cord with mini plug. Features adjustable headband. Includes phone-plug adaptor. FR 20-20,000 Hz \$8.95

H3003 Headphones. 4-ft cord. Includes mono plug; phone-plug adaptor; replacement earpads; adjustable headband. FR 20-20,000 Hz; imp 32 ohms; sens 98 dB \$6.95

SONY

Models with the UniMatch plug feature a mini plug with a screw-on phone-plug adaptor.

MDR-IF710K Wireless Headphones
UniMatch plug. Features circumaural design; 23-ft range; neodymium magnets; copper-clad aluminum-wire voice coils; Dolby C NR. Line- or headphone-level input. L/R volume controls. Additional transmitters, emitters, and headsets may be added. Operates on 2 AA batteries. FR 18-22,000 Hz \$280

MDR-IF510K Wireless Headphones
UniMatch plug. Features 23-ft range. Line- or headphone-level input. L/R volume controls. Additional transmitters, emitters, and headsets may be added. Operates on 2 AA batteries. FR 18-22,000 Hz \$200

MDR-IF310K Wireless Open-Air Headphones
Gold-plated UniMatch plug. Features 23-ft range; 30-mm drivers. Operates for 120 hrs on 2 AA batteries. FR 18-22,000 Hz. 6 oz (headphones) \$150

Digital Reference Series
The following feature a gold-plated self-cleaning UniMatch plug.

MDR-CD3000 Headphones
6N OFC Litz cord. Features 2-in drivers; biocellulose diaphragms; neodymium magnets; floating-support earcup system; organic-fiber-composite earcups; collagen-composite earpads. Self-adjusting headband. Includes carrying case \$600

MDR-CD1000 Headphones
Class 1 LC-OFC cord Litz cord. Features 2-in drivers; biocellulose diaphragms; neodymium magnets; ceramic-composite earcups; collagen-composite earpads. Self-adjusting headband \$300

MDR-CD950 Headphones
Single-sided LC-OFC Litz cord. Features 2-in drivers; diamond-evaporated diaphragms; neodymium magnets; ceramic-composite earcups. Self-adjusting headband \$250

MDR-CD850 Headphones
Single-sided LC-OFC Litz cord. Features 2-in drivers; neodymium magnets; copper-clad aluminum-wire

voice coils; ceramic-composite earcups. Self-adjusting headband \$200

STANTON

SRS-275 Headphones. 10-ft 4-lead coil conductor with phone plug. Semi-open design. Max power input 0.5%; FR 5-22,000 Hz; sens 101 dB at 1 mW; imp 100 ohms. 8.6 oz \$192

SRS-265 Headphones. Phone plug. FR 5-22,000 Hz; sens 96 dB at 1 mW; imp 100 ohms; max input 100 mW; distortion 0.5% at 1,000 Hz. 8.6 oz \$162

Model 45M/MC Headphones with Microphone
12-ft straight cord with two phone plugs. Designed for DJ and studio use; single-sided closed-ear design; unidirectional microphone mounted from headphone. FR 20-18,000 Hz; sens 96 dB \$150

ST-10 Headphones. 7-ft Y-type flat-ribbon cord with gold-plated mini plug; gold-plated phone-plug adaptor. FR 10-20,000 Hz; sens 98 dB min at 1 mW; imp 50 ohms \$132

SRS-225 Headphones
10-ft cord with phone plug. Semi-enclosed with moving-coil driver. Features adjustable ratchet-type headband with spring suspension. FR 10-22,000 Hz; sens 94 dB at 1 mW; imp 100 ohms; max input 100 mW; distortion 0.5% at 1,000 Hz. 8.6 oz \$96

ST-Surround Headphones. Stereo/surround switch. FR 20-20,000 Hz; sens 103 dB at 1 mW; surround imp 50 ohms; stereo imp 32 ohms \$84

Model 35M/HB Open-Air Headphones
Phone plug. Samarium-cobalt magnet. Single-cup design for disco use. Max input 0.25 W; FR 20-20,000 Hz \pm 3 dB; sens 110 dB at 1 mW at 1,000 Hz; imp 100 ohms. 3.8 oz \$79

Model 30M/SR Disco Headphones
Samarium-cobalt magnets. Features shoulder-rest single-cup headphone for DJ use; soft foam-filled, leather-like ear cushions. Max input 0.25 W; FR 20-20,000 Hz; imp 100 ohms. 3.8 oz \$69

STAX

SR-Lambda Signature T1
8 $\frac{1}{4}$ -ft cord. Electrostatic headphone design using high-polymer film diaphragms forming an oblong shape. Includes replaceable brown earpads. Frequency response 8-80,000 Hz; impedance 143 kilohms. 12 oz \$1,999

SR-Lambda Pro #3. As above, artificial leather earpads. FR 8-50,000 Hz \$1,199

SR-Lambda Pro #1. As above, FR 8-35,000 Hz; imp 122 kilohms \$799

SR-Gamma Normal Electrostatic Headphones
8 $\frac{1}{4}$ -ft cord. High-polymer film diaphragms; cage-grid frame design. Replaceable artificial leather earpads. Frequency response 15-30,000 Hz; Impedance 120 kilohms. Weight: 6.6 oz \$399

SR-84 Pro Headphones. 8 $\frac{1}{4}$ -ft cord. Polarized electret diaphragm design. FR 25-25,000 Hz; imp 150 kilohms. 5.4 oz \$299

SR-34 Pro. As above, 5.9 oz \$199

UHER OF AMERICA

W 766A Headphones. 8-ft coiled cord. Adjustable headband. FR 20-20,000 Hz; imp 200 ohms at 1,000 Hz. 2.2 oz \$106

YAMAHA

YHD-2 Headphones. Foldable headphones. Features mini plug and phone plug. Power handling 1 W max; FR 20-20,000 Hz \pm 3 dB; sens 100 dB SPL/W/m at 1 W; imp 125 ohms \$60

YHD-3. As above, sens 97 dB SPL/W/m \$40

MULTIROOM COMPONENTS

MULTIROOM SYSTEMS direct music and/or video programs from one or more sources—CD player, cassette deck, TV and/or VCR, for example—to secondary listening spaces, or "zones." The flexibility (and complexity) of the system determines the degree of control the user has over the source or sources; simple systems provide remote volume control, while more sophisticated controller components also allow the user to switch TV channels, select CD tracks, etc. from afar. Many multiroom systems/components require professional installation; consult the manufacturer for details (see "Directory of Manufacturers," which begins on page 209).

AMC

S84 A/V Controller

4 zones. 8 audio inputs, 4 composite-video inputs. 4 infrared-code inputs. Features volume, source selection, audio mute, and power-off for each zone. SN 95 dBA; THD 0.01% \$700

RSS14+T Remote Speaker Selector. Switches 4 pairs of speakers. Features infrared sensor; 4-ohm imp switch for each channel \$350

IRR03 Infrared Sensor. Features LED command-receipt confirmation \$60

AUDIOACCESS

MRX Audio Controller

6 zones. 4 inputs; 6 line-level outputs; tape output for main zone. Features tuner with 6 AM/FM presets; 6 discrete 40 W x 2 power amps; bass and treble controls; programmable infrared interface for controlling various brand source components. Keypads connect to MRX via 4-wire bus using standard telephone wire. 17 x 5³/₈ x 15 in; 35 lb \$4,300

KPS. Wall-mount keypad. Features source-selection and volume controls; built-in Infrared sensor; Fits 1-gang box \$250

PX-6 Audio Controller

1 zone; 5 audio inputs, 4 outputs; infrared input/output. One PX-6 required per zone. Features expandable design; local-source compatibility; volume control; rack-mountable chassis \$1,000

KP1. Wall-mount keypad for above. Features source-selection and volume controls. Fits 1-gang box \$200

AUDIO COMMAND SYSTEMS

CT-8300 Audio Controller

1 zone; 4 inputs/outputs. Central switching unit and signal processor for 8300 Series control panels; one CT-8300 required per zone. Options: master-control faceplate; speaker- or line-level volume control for remote speakers; wireless remote control; spare buttons for custom requirements; rack-mount chassis. Black anodized-aluminum finish. 17¹/₈ x 3¹/₂ x 11¹/₂ in. Base package \$1,695

For each additional zone (including basic control panel), add \$1,000

8300 Series In-Wall Control Panels

Standard faceplate finishes include brushed solid brass, black or clear anodized aluminum, and white lacquer; other finishes are available for an extra charge. 1-gang panels measure 2³/₄ x 4¹/₂ x 3 inches, 2-gang panels 4¹/₂ x 4¹/₂ x 3 inches, and 3-gang panels 6³/₈ x 4¹/₂ x 3 inches. Custom control panels can be designed to specification.

Model 8300-EV Full-Function Panel

Features master-power and remote-speaker on/off; source and tuner-preset selectors; CD changer and cassette deck controls; 2 electronic volume controls. 2 gang \$795

Model 8300-DV. As above, with 2 standard volume controls. 3 gang \$595

Model 8300-6SP. As 8300-EV, with 6 spare buttons for custom controls. 3 gang. Price depends on configuration \$495-\$995



Model 8300-3SP. As above, set of 3 additional buttons \$495-\$795

Model 8300. As 8300-EV, 1 standard volume control. 2 gang \$495

Model 8300A-DV. Speaker on/off with status indicator; 2 standard volume controls. 2 gang \$295

Model 8300A. As above, 1 volume control. 1 gang \$195

AUDIO DESIGN ASSOCIATES

System 8000 A/V Controller

8 zones. Features 6-zone integrated amplifier; expandable design; simultaneous playback of 8 sources; central and remote control of source selection. Includes 6 control panels, each with on/off switch, LED status indicators, and source-function, volume, bass, and treble controls \$21,158

System Omega. 6-zone version of above \$14,514

System 100 Audio Controller

8 zones. Features amplifier; preamplifier; master/local-room on/off switching; 8-source selector; tone controls. Includes 6 control panels, each with 3-source selector (2 fixed, 1 variable), on/off switch, LED status indicators, source-function and volume controls \$5,990

System 699 Audio Controller

4 zones. Features expandable design; master on/off switch. Includes 4 control panels, each with on/off switch, LED status indicators, source-function and volume controls \$975

Accessories

CIC-3000 Computer Interface Controller

RS-232 interface with software for System 8000 and System Omega. Capable of controlling 16 zones per unit via PC or ADA bus system \$1,658

MD-4 Wireless Call System. 4 channels. Enables central reception of 4 distinct codes from anywhere in the home \$995

AS-1000 Auto Scanlizer. 10-band/ch audio display for peak hold, input level, and max level \$650

Opto-Link Infrared Repeater. For System 8000 and System Omega \$575

ISO-2 Line-Level Isolation Amplifier

Differential, unity-gain design with ground isolation between RCA inputs and outputs. Designed to drive long line-level wire runs and eliminate hum caused by ground loops. 2 x 3 x 4 in \$299

CCS-4 Triggering Device

Triggers AC outlet with adjustable current sensing and low-voltage AC/DC triggering devices \$299

ISO-V Composite-Video Isolation Amplifier. To minimize noise in long video-line runs \$299

CCS-2 Speaker/AC Outlet Switcher

Adjustable AC-current-sensing device that enables 1 pair of speakers to be switched between 2 amplifiers \$299

LLSM-6 Line-Level Audio Switcher

6 line-level inputs and outputs. Features normally open/closed operation; adjustable delay to avoid speaker thump. 12-V DC triggers relay \$269

ACC-3 AC Controller

2 inputs. Enables 2 systems to share common component; component turns on when either system powers up. Features 2 grounded switched outlets; switched AC for local sources via low-voltage control run. 3-24 AC or DC triggers switched outlets \$269

CSM-6 Consecutive Power Module

Enables multiple amplifiers to be used on one circuit without overload. Supplies low voltage to up to six ACC-3 controllers. Features push-on plugs \$269

SLS-1 Low-Voltage Speaker Switcher

Enables 1 pair of speakers to be used with 2 amplifiers. 24-V AC DC triggers switching device \$150

CARVER

ZAP Zone Addition Pack

Remote control extender for C-5 and CT-17 preamps; provides independent volume control and source selection for secondary zones. Features 4 infrared-receiver inputs; tabletop/in-wall infrared receiver \$300

SL-D Display Module. Remote LED display showing system functions and selections; fits standard switch box \$200

SL-K In-Wall Keypad. Features 9 keys; 16 functions. Compatible with SL-D display module; fits standard switch box \$171

Remote System Link Components

MSI-1. Multisource interface \$2,175

RAC-6a. Remote 40-W amplifier/controller \$600

RSI-1. Remote system interface \$300

CBL. 300-ft SystemLink cable \$200

IR-T4. Infrared transmitter for in-cabinet mounting \$120

IR-R2. Infrared receiver \$100

IR-T1. Infrared repeater/transmitter \$90

RH-1. Basic-function remote control \$80

DENON

RC-615S Multiroom Control Kit

Enables infrared-compatible AV equipment to be controlled from remote zones. Includes RC-616 retransmitter/power supply, RC-617S sensor, RC-618 emitter, and 100-ft cable. RC-616 sends power to/receives transmissions from up to 4 RC-617 sensors and retransmits in signal to components and/or powers up to 4 RC-618 emitters; 5 RC-616's can be looped together \$200

RC-617S. Standalone infrared sensor \$45

RC-617W. Wall-mount infrared sensor \$40

RC-618. Supplemental emitter \$20

HARMAN KARDON

HE-1000 Infrared Repeater System

Permits control of Harman Kardon components from secondary zones; enables hidden components to be controlled by infrared remote control. Includes AC adaptor, infrared sender, and 10-ft cable \$60

KENWOOD

RC-EX10 Infrared Repeater System

Permits control of Kenwood components from secondary zones. Features infrared sending and receiving modules; AC power adaptor; card-type wireless remote control with power, source-selection, tuner-preset, volume, and disc-selection controls. Includes 20-m connecting cable \$120

MULTIROOM COMPONENTS

LUXMAN

RC-506 In-Wall Keypad

Controls TP-117 preamp and connected Luxman 100 Series components. Features 8-source selection; system on/off, CD, tuner, tape-deck, and volume controls; built-in infrared sensor; LED command-receipt indicator; Decora-style coverplate; compatibility with other brand components. Connection via standard 4-conductor telephone wire and RJ-11 connector \$200

RC-505 In-Wall Keypad

Controls Luxman System Bus receivers and connected 100 Series components. Features 9-source selection with lighting to confirm component selection; system on/off, CD, tuner, tape-deck, and volume controls; built-in infrared sensor; LED command-receipt indicator; Decora-style coverplate; compatibility with other brand components. Connection via standard 4-conductor telephone wire and RJ-11 connector; fits 2-gang box \$200

MCINTOSH

CR-10 A V Controller

4 zones. 1 video and 5 audio inputs; 6 serial-data output ports; two 25-pin D connectors for cascading controllers. Features electromagnetic switching. Source and volume presets for each zone; LED indicators for source/zone and volume/zone status. FR 20-20,000 Hz +0, -0.5 dB; SN 86 dB; input 8 V max; output 2.5 V, 8 V max \$1,995

MVS-3. Adds A/V switching capability to above. Features S-video inputs \$499

MHC-1. Enables CR-10 to control 6 additional electronic devices \$499

PC-1. Provides AC power control over 4 remote power amps and 5 audio- and 2 video-source accessories. Features 3 unswitched AC outlets. Connects to CR-10 via DIN connector \$399

ACM-1. Plug-in module for CR-10; provides independent input selection and volume control for 1 zone. CR-10 accepts up to 4 modules \$299

Accessories

R-657. Infrared repeater \$270

R-612. Power relay \$200

WK 1. In-wall keypad \$199

R-606. Multiple-sensor adaptor \$120

R-649. Switch-box-mount remote sensor \$100

R-668. Infrared flood emitter \$70

R-615A. Video-signal/dc-control adaptor \$60

HR-10. Hand-held remote for CR-10 \$49

HR-667. Low-power infrared emitter \$40

MERIDIAN

Model 202 Preamp/Controller

2 zones. 6 inputs. Features full tape control; 64-step electronic volume; input, copy, mute, system 1+2, mode, and standby controls; status display. THD 0.02%. 6 $\frac{3}{8}$ x 4 x 12 $\frac{3}{8}$ in; 10.6 lb \$1,390

Model 222 Control Box. Extends control capabilities of above to 3 additional zones. Features non-volatile memory. Local amplification required for each zone. 6 $\frac{3}{8}$ x 2 $\frac{1}{4}$ x 12 $\frac{3}{8}$ in \$600

Model 223 Power Box. Provides AC power to components in up to 10 zones. 6 $\frac{3}{8}$ x 2 $\frac{7}{8}$ x 12 $\frac{3}{8}$ in \$600

Model 221 Wall Control/Display Panel

Displays status of 3 zones. Built-in infrared sensor; source-selection, CD, tape, tuner, and volume controls. Die-cast case with glass window \$390

Model 213 Infrared Receiver

Wall-mount design. Features 8-digit status display; molded case with glass front. 6 $\frac{3}{8}$ x 1 $\frac{1}{2}$ x 1 $\frac{1}{8}$ in \$220

Model 212. As above, without display \$170

Model 220 Wall Control Panel

Features controls for volume and source, CD-track, and radio-station selection; plastic molded case. Fits 1-gang box. 3 $\frac{1}{4}$ x $\frac{5}{8}$ x 3 $\frac{1}{4}$ in \$200

Model 209 Remote Control. Hand-held wireless remote with preset and track-selection controls; 31 keys. 6 $\frac{3}{8}$ x 1 $\frac{1}{4}$ x 6 $\frac{3}{8}$ in \$148

NILES

Component Commander Series

The following components provide switching and control capability for a multiroom audio system.

SR-6 Audio Controller. 6 zones; 6 inputs. Main chassis \$995

TL-1. Infrared learner for above. Converts keypad commands into brand-specific infrared commands \$795

RC-1. Zone/preamp card for SR-6 \$395

PWR-6. Power supply for SR-6 \$299

AC-6. Zone-switched AC outlet strip. Provides AC power for selected zone amp(s) \$299

KP-1 Wall Keypad. Features power, volume, source/speaker-selection, and transport controls. 1 required for each zone \$295

APC-2. Current sensing, switched AC outlet \$214

SP-2 Wall Amp/Speaker Selector. For use with KP-1 \$195

AS-2. Input card for SR-6. 2 inputs \$120

HC-6. Wireless remote control for SR-6 \$99

Infrared Components and Accessories

The following devices are used primarily to transmit and receive infrared control signals in multiroom audio systems.

RVS-6 Infrared Repeater/Controller. Combination infrared repeater, speaker selector, and volume control for up to 6 zones \$700

RVC-1. Speaker on/off and volume control module for above \$124

HC-2. Infrared remote for RVS-6 \$90

RSS-1. Speaker on/off selector for RVS-6 \$26

IRD-8 Infrared Signal Routing System. Enables identical infrared-controlled devices to be controlled without interference \$456

HC-1. Remote for above \$90

IRP-6A Infrared Repeater. 6-zone main system; infrared receivers and flashers not included \$118

XRP-6A. Adds 6 zones to above \$70

TIR-1. Tabletop infrared receiver \$80

CMS-3. Ceiling-mount infrared receiver \$72

IRR-3. Wall-mount infrared receiver, available with Decora-style faceplate \$64

IRW-2. Wall-mount infrared flasher with Decora-style faceplate \$31

IRW-1. Wall-mount infrared flasher \$26

IRC-1. Velcro-mount infrared flasher \$20

IRC-2. Panel-mount infrared flasher \$12

Remote Speaker Selectors

AB-8. 8-channel device that enables switching between multispeaker complements in 2 zones. For surround systems \$390

RP-8. Decora-style wall-mount panel for above \$33

TVA-20. Music-sensing A/B switcher with built-in 20-W stereo amp \$325

SAS-1. Auto A/B switcher activated by audio or video signal \$200

ASB-1. Auto A/B switcher activated by audio signal \$84

RFS-1. Voltage-controlled RF A/B switcher \$67

ONKYO

HKT-50AC Multiroom Kit. Includes infrared sensor, 2 emitters, and two 30-meter cables \$245

HE-50AC. Infrared emitter system \$120

HR-10W. Infrared sensor \$65

RC-MR1H. Remote control for secondary zones \$35

HE-10. Emitter unit \$30

HW-50. 50-meter connecting cable \$30

PIONEER

MR-100 Remote Sensor Kit. Permits control of Pioneer components from secondary zones via

hand-held remote control. Includes AC adaptor and 65-ft cable \$85

MR-101 Remote Emitter. For use with above; to control non-Pioneer components \$65

CU-MR100 Remote Control. For use with MR-100; 24 keys \$28

RUSSOUND/FMP

Wall-Mount Volume Controls

The following fit in standard junction boxes and are compatible with 4- and 8-ohm speakers. Mono and stereo versions are available in several colors.

HLT. Power handling 50 W rms; attenuation 30 dB. 2 gang. 2 $\frac{5}{8}$ x 1 $\frac{3}{4}$ x 2 $\frac{5}{8}$ in \$64

ALT. Power handling 25 W rms; attenuation 20 dB. 1 gang. 1 $\frac{3}{8}$ x 2 $\frac{7}{8}$ x 2 $\frac{1}{8}$ in \$32

LPT. Power handling 10 W rms; attenuation 20 dB. 1 gang. 1 $\frac{3}{8}$ x 2 $\frac{7}{8}$ x 1 $\frac{3}{8}$ in \$28

SONANCE

AC1 Sequential Power Switcher

4 line-level outputs. Sequentially activates up to 4 components in 2.5-sec intervals. Features full 3-stage AC surge protection; EMI/RFI filtering; 15-ampere circuit breaker. Auto turn-on via line-level signal sensing; front-panel LR output-level controls; LED status indicators; trigger terminal for external devices. 4 switched, 2 unswitched AC outlets. Power handling 1,800 W; THD + noise 0.01% from 20-20,000 Hz; 6-dB gain. 16 $\frac{3}{4}$ x 3 $\frac{1}{2}$ x 12 $\frac{1}{2}$ in \$349

With rack mount \$362

AF8 Speaker-Impedance Matching System

1 speaker-level input, 8 outputs. Distributes input signal to 8 speaker outputs; for 50-250-W/ch rms amplifiers. Features printed circuit board with $\frac{3}{8}$ -in traces; independent LR ground paths. Adjustable output taps for setting impedance; 12-gauge screw-type output terminals. FR 30-20,000 Hz \pm 1 dB; input/output terminals rated at 15 amperes/300 V. 16 $\frac{3}{4}$ x 3 $\frac{1}{2}$ x 4 $\frac{3}{4}$ in \$289

With rack mount kit \$330

Speaker Switching Systems

The following systems distribute speaker-level signals from an amplifier or receiver to remote volume controls and 4 or more speaker pairs; a \$41 rack-mount kit is available for all SDS models.

SDS-4VC

2 speaker-level inputs, 4 outputs. Enables 4 speaker pairs to be independently switched to either source. Features silver-plated, self-cleaning switching contacts; printed circuit board with $\frac{3}{8}$ -in traces; independent LR ground paths. Active 50-W/ch volume control and on/off button for each speaker pair; circuit-protection button; 14-gauge screw-type output terminals. Power handling 80 W/ch rms \$489

SDS-4x2. As above, without active volume controls. Power handling 200 W/ch rms \$329

SDS-4AB. As SDS-4x2, speaker pairs can be switched to only 1 source. Features auto circuit protection \$300

SDS-4. As SDS-4AB, 1 speaker-level input \$262

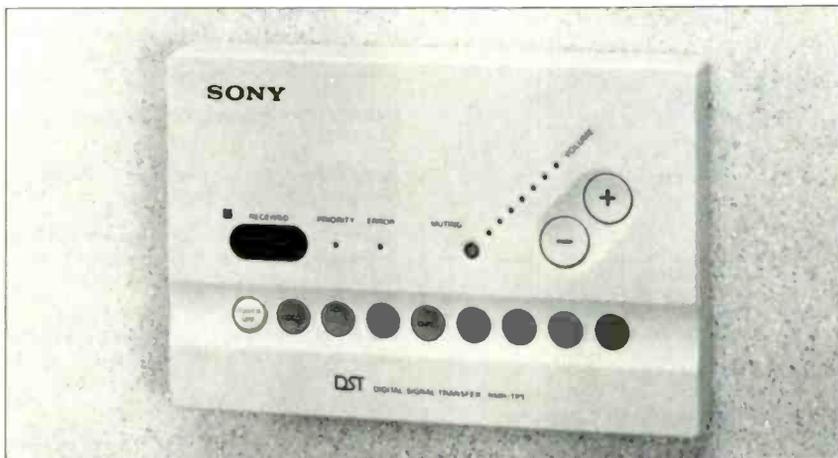
SDS-4MP. As SDS-4, manual circuit protection. Power handling 100 W/ch rms \$229

SDS-6 + VC

2 speaker-level inputs, 6 outputs. Enables 6 speaker pairs to be independently switched to either source. Features silver-plated, self-cleaning switching contacts; printed circuit board with $\frac{3}{8}$ -in traces; independent LR ground paths. Active 100-W/ch volume control with bypass and A/B source switch for local speaker pair; on/off button for each speaker pair; auto circuit protection; 14-gauge screw-type output terminals. Power handling 100 W/ch rms. 16 $\frac{3}{4}$ x 1 $\frac{1}{2}$ x 11 $\frac{1}{2}$ in \$483

SDS-6. As 6 + VC, 1 speaker-level input; parallel source output for additional switcher. Power handling 200 W/ch rms \$425

SDS-6MP. As SDS-6, no parallel source output; manual circuit protection \$386



Sony RMR-TP1

VC504P In-Wall Switcher/Volume Control

2 speaker-level inputs, 4 outputs. Enables 4 speaker pairs to be independently switched to either source. Features common ground paths; protection circuitry; silver-plated, self-cleaning switching contacts. A/B source switch, on/off button, and 50 W/ch volume control for each speaker pair; 14-gauge screw-type output terminals. Power handling 50 W/ch. Includes white or ivory 5-gang wallplate. 8 3/4 x 4 1/8 x 2 1/2 in. \$360
VC504. As above, without protection circuitry. \$320

DB6

1 speaker-level input, 6 outputs. Features on/off switches 6 speaker pairs; circuit-protection button; parallel source output for additional switcher. Power handling with without protection engaged 25/100 W/ch rms. 10 7/8 x 1 3/4 x 4 in. \$175
DB4. As DB6, 4 outputs. 8 3/4 x 1 3/4 x 4 in. \$109

AS-1 Automatic Switcher

2 speaker-level inputs. Provides auto switching from main amplified source to remote amplified source, for amps up to 100 W/ch rms. Features adjustable input sens and switching time between sources; active-source LED indicator; screw-type connectors; control output for additional switcher; low-voltage power supply. 2 7/8 x 4 x 1 1/2 in. \$150
AL-1. As above, for line-level sources. Features gold-plated RCA connectors. \$150
AS-1/S. Slave unit for AS-1; no power supply. \$105
AL-1/S. Slave unit for AL-1; no power supply. \$105

Accessories

LS-1 Balanced-Line Converter

Unbalanced to balanced line-level converter. Features gold-plated RCA input; 5-position screw-type output terminals. 2 7/8 x 4 x 1 1/2 in. \$170
LR-1. Balanced receiver for above. \$150

SCF-1 Cutoff Filter

Active 6th-order high-pass filter with 40-Hz cutoff. Designed to lower distortion in systems using auto-former/transformer-type devices. Features gold-plated RCA inputs/outputs. 2 7/8 x 4 x 1 1/2 in. \$160

MLP-1 Bridging Adaptor/Subwoofer Filter

Converts 2-channel amp into mono subwoofer amp. Features active low-pass crossover with selectable 50/75/100-Hz point; active bass EQ centered at 40 Hz; screwdriver-adjustable ± 6 -dB gain; gold-plated RCA inputs/outputs. \$140

SBA-1 Dual-Amp Bridging Adaptor

Converts two 2-channel amps into 2 mono amps, each with 3.5 times the power output of single stereo channel. Features screwdriver-adjustable ± 6 -dB gain; gold-plated RCA inputs/outputs. 2 7/8 x 4 x 1 1/2 in. \$125

SM-1. As above, converts one 2-channel amp to mono. \$120

LL-1 Line-Level Attenuator

2 channels. Features 2 recessed-screwdriver trim pots; gold-plated RCA inputs/outputs. \$65

ABW1HPO In-Wall A/B Switch/Headphone Jack

A/B source and speaker on/off buttons; headphone jack. Features silver-plated switch contacts; screw-type connectors. Power handling 200 W/ch peak. Fits 1-gang box; mounting depth 2 1/8 in. \$51

ABB1 Tabletop A/B Switch

For switching between two speaker-level sources or two speaker pairs. Features self-cleaning, silver-plated switching contacts; Independent LR ground paths; screw-type connectors. Power handling 200 W/ch. 5 x 2 1/4 x 5 in. \$80
 Bracket kit. \$44
ABW1A. In-wall version of ABB1. Fits 1-gang box; mounting depth 2 1/8 in. \$31

OP3 Output Pad

Attenuates speaker-level signal to line level; for 100-200-W/ch amps. Features pigtailed for speaker input; 2 gold-plated RCA outputs. -30-dB attenuation \$23
OP2. As above, for amps up to 100 W/ch. -20-dB attenuation. \$21

HP1 High-Pass Filter

For subwoofer/satellite systems; connects in series between positive terminals of amp and speaker. Features pigtailed for speaker hookup. Power handling 300 W; 6-dB/oct slope: -3 dB at 100 Hz into 8 ohms, -3 dB at 150 Hz into 6 ohms, -3 dB at 200 Hz into 4 ohms. 1 5/8 x 1 3/8 x 1 3/8 in. \$21

Infrared Repeater System Components

The following components transmit and receive infrared control signals; they extend remote control to components in secondary zones and enable hidden components to be operated via remote control.

- Cabinet Receiver.** For placement on cabinetry or shelves. Phone jacks. 1 3/8 x 1 1/8 x 3 in. \$86
- In-Wall Receiver.** Auto-gain circuitry. Phone jacks; fits 1-gang box. 1 1/2 x 4 x 1 in. \$84
- In-Cabinet Emitter.** Phone jacks. 1 1/2 x 1 x 1 1/8 in. \$58
- Component Emitter Driver.** Box for 4 component-type emitters; includes 1 emitter. 1 3/8 x 1 1/8 x 3 in. \$56
- In-Wall Emitter.** Phone jacks. 1 1/2 x 4 x 1 in. \$55
- Repeater System Power Supply.** 2-screw terminals. 2 x 1 1/2 x 1 1/2 in. \$16.50
- Component Emitter.** Rebroadcasts signal to individual component. 3-m cable with mini plug. \$10

Volume Controls

VC100A In-Wall Control
 Autoformer design with knob; attenuates/balances volume of 1 speaker pair in 10 steps. Features non-

shorting wafers; screw-type connectors. Power handling 100 W/ch rms; FR 20-20,000 Hz ± 1.2 dB; total attenuation -31.5 dB. Fits 1-gang box; mounting depth 3 1/4 in. \$73
VC501. Designer version of above. Power handling 50 W/ch rms. Fits Ticino box; mounting depth 2 in. \$86
VC50A. As VC100A, 50 W/ch rms, FR 20-20,000 Hz ± 2 dB. Mounting depth 2 1/2 in. \$62
VC45. As VC50A, 45 W/ch rms. Mounting depth 2 1/4 in. \$51
VC25. As VC45, 25 W/ch rms. Mounting depth 2 in. \$47

SONY

RM-S2070K Dual Room Kit. Permits control of Sony components from secondary zones. Includes wall-mountable infrared receiver and infrared flasher, credit-card-size remote control, and 50-ft connecting cable. \$190

Digital Signal Transfer System

Two basic packages are offered: the DLS-M1 main-system package includes the TA-DM1000ES master controller, the RM-P1 remote control, the MX-RF1 signal combiner/splitter (not listed), audio and video cables for Sony SIRCS components, and three 75-ohm RF plugs; the DLS-L1 zone package includes the TA-DL100 amplifier, the RMR-TP1 in-wall control panel, and a 75-ohm RF plug. Pricing for the DLS-M1 and DLS-L1 is \$1,200 and \$500, respectively. Except for the RM-P1, the following components are not sold separately.

TA-DM1000ES Digital Controller

6 audio and 3 video inputs; digital input; line-level, video-monitor, and RF outputs; 6 audio and 2 video control outputs for Sony SIRCS components; 7 emitter outputs for any A/V component; 1 control input for Sony SIRCS TV remote control. Features 1-bit A/D conversion; simultaneous transmission of 3 digital audio signals, 1 video signal (in RF TV format), and 2-way control signals for all zones through single 75-ohm coaxial cable. Room-in-use and recording-status indicators; ability to learn infrared codes of other brand components; -20-dB mute; 6 switched AC outlets. Sampling frequency 44,100 Hz; FR 10-20,000 Hz ± 0.1 dB; SN 95 dB; THD 0.007%. 17 x 4 7/8 x 14 in; 16.1 lb

TA-DL100 Digital Link 40-W/ch Amplifier

One required per zone in DLS system. Features 16-bit D/A converter with 8x oversampling and 44,100-Hz sampling rate. Local aux and TV-antenna inputs; line-level output. Room-ID switch for up to 16 zones; bass and treble controls. 40 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.08% THD. 17 x 4 3/8 x 10 1/2 in; 11.5 lb

RMR-TP1 Digital Link Touch Panel

Connects to TA-DL100 zone amplifier. Features infrared sensor; 8 backlit source-selection buttons, including 2 video; volume, mute, and power on/off controls; main/remote-room system power on/off; system-status indicators; volume-level memory. Includes 2 F connectors and 75-ohm coaxial cable with F connectors. Fits 3-gang box. 6 3/4 x 4 3/4 x 4 in; 14 oz

RM-P1 Programmable Remote Control

Features 8 source-selection keys, including two video; mute, volume, and system-power on/off buttons; concealed function keys for VCR, videodisc player, CD player, DAT deck, and cassette deck; concealed TV keypad; backlit LCD. 2 3/4 x 1 1/4 x 8 3/4 in; 8 oz (with batteries). \$130

SOUNDSTREAM

Simulsource Multiroom Components

- SN-1 MkII Controller.** 4 zones; 8 audio, 3 video outputs. \$1,195
- SNX-1.** 5-zone expansion module for SN-1. Can be daisy-chained with other SNX-1's. \$795
- T-1 EPROM.** Enables SN-1 to support second T-1

MULTIROOM COMPONENTS

tuner in installations where multiple FM sources desired \$100

RA-100 MkII 50-W/ch Zone Amplifier

One required per zone. Features 1-ohm stability; separate amp/preamp stages; low-profile chassis for concealed installation. 50 W x 2 into 4 ohms or 100 x 2 into 2 ohms; 180 x 1 into 4 ohms \$695
BD-100M. Remote infrared sensor for above \$120

C-1 Infrared Repeater

Creates 2 separate audio/video zones (each covering up to 4 rooms) when used with RA-100 MkII amp, BD-100 remote sensor, and RSS-2 speaker selector. Includes 2-zone C-1 EPROM, 8-component repeater with balanced-line adaptor, two remote mini-emitters \$250

KP-100 In-Wall Keypad

Features controls for zone volume, T-1 tuner, and CD player; power on/off for room, zone, and master system. Fits 1-gang box. Includes Decora wall-plate \$150

KP-100 CD EPROM. Enables KP-100 to operate specific CD changers; replaces standard software in SN-1 \$100

VIDEO LINK

Model 440V Remote Speaker Selector

2 inputs, 4 outputs. Connects 2 amps to 4 speaker pairs. Features on/off button; A/B-source selector; and 10-position volume control for each speaker pair; 4/8 16-ohm compatibility. Power handling 100 W. 17 x 2 x 6 in \$400

Model 730 Programmable In-Wall Keypad

Features microprocessor capable of learning 64 infrared commands; 20 keys; 10-command sequencing via single key; 64K ROM memory. 3-wire hookup. Fits 2-gang box \$300

Model 590 Programmable Controller

Features microprocessor capable of learning 64 infrared commands; requires external switches to initiate commands. 16 isolated circuits; 64K ROM memory; infrared output, 16 screw-type switch-connector pairs \$250

Model 795 Controller

4 zones. Controls 2 components per zone and 10 common-source components. Features 18 infrared-emitter ports; 14 test LED's. 1 x 13³/₈ x 1⁷/₈ in \$170

Model 796 Zone Expander. Adds 5-zone capability to above \$170

Accessories

AV-420R Remote A/V Switcher

4 video and 4 audio inputs; 2 video and 2 audio parallel outputs. Permits remote selection of 4 A/V sources. Features infrared-receiver input; digital status display; hand-held remote control with 4 source-selection buttons \$125

AV-426 A/V Distribution Amplifier

1 line-level audio and 1 video input; 6 line-level audio and 6 composite-video RCA outputs. Splits audio or video signals from 1 source six ways. 6¹/₂ x 1¹/₂ x 3¹/₂ in \$95

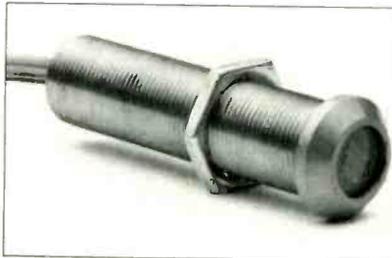
URC-1 Programmable A/V Remote Control

Switchable TV, audio, video, and aux modes; 32 keys; two 10-command sequence buttons; 64-kilo-byte static random-access memory. White or black. 2¹/₂ x 6 x 1 in \$70

Model 750-10 In-Wall Volume Control

10-position autoformer design. Features proprietary Tri-Fi winding with 3 insulated wires in compact transformer. 25 W/ch rms; FR 20-20,000 Hz ± 1 dB. White or ivory. Fits 1-gang box; 2-in depth \$50

Model 194-10 Frox Interface Cable. For connecting Xtra Link receivers to Frox system \$19.95



Video Link Model 490 Micro Link

Model 634 Ground Breaker. Reduces hum when audio component connected to cable tv \$7.99

Infrared Components

Model 170-94 Xtra Link Infrared Converter

Converts infrared signal into dc signal for transmission over coaxial cable along with TV signal. Features infrared splitter and 2 emitters; command-receipt LED module; dc power supply \$100

Model 480 Dinky Link Infrared Receiver

Compact, surface-mount design for placement between grille and baffle of in-wall speaker. Features test LED; 20-ft range; 3-wire hookup. 2-wire with external power supply; high sensitivity allowing one Model 781 power supply to drive 12 units. Black or white. 1/2 x 3/8 x 2 1/8 in \$100

Model 490 Micro Link Infrared Receiver

Housed in small brass cylinder for recessed mounting. Features test LED; 3-wire hookup. 2-wire with external power supply; high sensitivity allowing one Model 781 power supply to drive 12 units. 1/2-in diameter x 2 in \$100

Model 780 Infrared Receiver

Mounts in 1-gang box. Features test LED; 3-wire hookup. 2-wire with external power supply; high sensitivity allowing one Model 781 power supply to drive 12 units; dark lens wallplate \$80

Model 794 Universal Remote-Control Interface

Makes Video Link infrared receivers compatible with remote-control inputs on A/V components. Features DIP switches for specific brand/model components. Includes connecting cable with choice of connectors \$80

Model 797. As above, brand-specific modules \$80

Model 298 Hidden Link + Infrared Receiver

Shelf-top design with mounting flange. Features test LED; 3-wire hookup. 2-wire with external power supply; high sensitivity allowing one Model 781 power supply to drive 12 units. Black anodized-aluminum case. Includes mini mounting brackets \$80

Model 792-10 Power Module/Booster. DC phantom-power supply for infrared receivers; can boost 0.1-ampere signal to 1 ampere \$60

Model 390-10 Powered Infrared Receiver

Shelf-top design. Features amp to boost 0.1-ampere infrared signal to 1 ampere. 3 LED's; emitter output. 3³/₄ x 1 x 2 in \$50

Model 290-10. Non-amplified version of above. 1 LED \$50

Model 380 Powered Infrared Emitter

Mounts in 1-gang box. Features built-in amp to boost 0.1-ampere infrared signal to 1 ampere. 3 LED's; red lens wallplate \$50

Model 791C Powered Connecting Block. Connects 10 emitters in parallel. Features test LED \$60

Model 790. Non-amplified version of above. Requires power module \$40

Model 789. Connects 3 emitters and power supply to 780-type receivers or connects 4 emitters in series \$25

Model 178 Bypass Kit. Routes infrared signals around RF amps and non-DC-passive RF splitters. Includes 2 Model 176 infrared/RF splitter-injectors and jumper cable with mini plug \$19.95

Model 781 Power Supply. Provides phantom power for 6-12 receivers \$9.95

Model 282 Mini Emitter. Mounts on A/V component's infrared eye. Includes isolation cover \$9.95

Model 176 Infrared/RF Splitter-Injector. Injects/extracts infrared signals into/from coaxial TV cable. Includes 2 different F connectors and 3 mini plugs \$8.99

Model 784 Emitter Extension Cable. 4-gauge, 2-conductor cable with mini plug. 50 ft \$7.99

YAMAHA

The following components provide switching and control capability for a multiroom audio system as well as the means for transmitting and receiving infrared control signals.

MCX-10 Controller

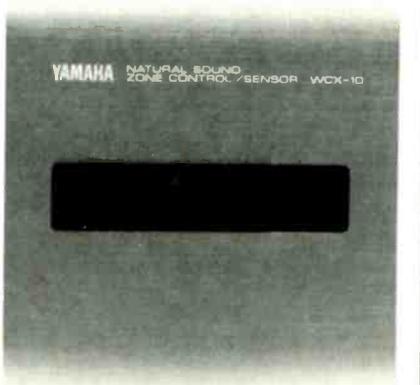
5 zones. Facilitates speaker selection, source selection, and volume in each zone. Features zone-status indicators; zone-defeat switches; compatibility with most infrared-controllable A/V components; 3 infrared-emitter outputs; independent, selected, and all \$400

RCX-10 Programmable Remote Control

Preprogrammed for Yamaha RS components; each key programmable for 2 non-Yamaha components; memory backup; speaker on/off button \$100

WCX-10 Infrared Sensor

Converts infrared control signals from RCX-10 into electrical signals for MCX-10 controller. Features zone-speaker on/off switch; LED standby and command-receipt confirmation. Fits 2-gang box. Paintable titanium-finish face plate \$100



Yamaha WCX-10

IRX-20 Powered Infrared Emitter

Designed to flood area with infrared signal for multiple component control. Features 3 LED's; screw-type connectors; shelf/wall mounting bracket. Black anodized-aluminum housing \$90

CSX-10 Control-Signal Splitter

Permits serial connection of six IRX-10 emitters to any MCX-10 zone output. Includes 10-ft connection cable \$40

IRX-10 Mini Infrared Emitter

Attaches over component's infrared eye for individual control. Features 2 covers, one to prevent activation of other components. Includes 5¹/₂-ft connecting cord \$12

C A B L E S & C O N N E C T O R S

ACROTEC

Model 6N-A2030 Interconnect Cable

Balanced line cable. Features pure-copper conductor with gold-plated connectors; PVC and polypropylene inner sheath coating. Capacitance 50 pF/m; resistivity 35 mohm/m \$200/m pr

Model 6N 1040 Speaker Cable

10 gauge. Pure-copper conductor in PVC coating. Capacitance 137 pF/m; resistance 3.4 ohm/m \$30/ft

Model 6N-1010 Speaker Cable

14 gauge. 2 pure-copper conductors in PVC liner and outer jackets. Imp 9.2 ohms; capacitance 101 pF/m \$15/ft

Model 6N S1030 Speaker Cable

Solid-core pure-copper conductor in PVC-coated fiber jacket. Capacitance 15 pF/m; resistivity 3.4 ohm/m \$6/ft

AMERICAN HYBRID TECHNOLOGY

AHT B-Squared Line XLR Connectors. Balanced; gold-plated. 1.5-10 m \$390-\$990
1 m \$350

AHT Ultra Resolution Interconnect Cable

24-karat gold plating on OFC; locking ground connector; WBT plugs. 1.5-30 m \$370-\$670
1 m \$350

AHT Ultra Resolution Speaker Cable

Four-piece design. Heavy spade or banana connectors. 10 ft \$300

APATURE

Interconnect Cable

Accusound. Silver Teflon dielectric; magnetically shielded. Black. 2 m \$140
1 m \$100
1/2 m \$85

Accusound. Silver-Teflon \$5/ft

BL-2 Balanced-Line Poly. Magnetically shielded. 2 m \$70

1 m \$60

1/2 m \$50

BL-2 Balanced-Line Poly \$2.50/ft

AV-Plus. Pure copper dielectric. Red, blue, or brown. 2 m \$50

1 m \$40

AV-Plus Twin. Red, blue, or brown \$4/ft

AV-Plus Single. Red, blue, or brown \$2/ft

A/V Poly. Gold end. 2 m \$35

1 m \$30

1/2 m \$25

AV-Poly Foam Twin. Clear or neon pink \$2/ft

RCA Connectors

90° RCA Adaptor. Right-angle gold-plated female-to-male adaptor. 2-pk \$12

Accu-RCA-Teflon-Split Center Pin \$10

Black Beauty. 5-micron gold and Teflon \$5

Pro Phone Plug. 1/4-in. \$5

Solderless RCA. Gold \$3

Large RCA. Gold. 5 or 6 mm \$2.50

Speaker Cable

Accusound Twin. Silver; 8 solid-core silver-plated conductors; capacitance 18 pF/ft \$12/ft

Accusound. Silver with Teflon coating \$5/ft

Signatryne 500. 518 strands; 12 gauge; polyethylene and polypropylene insulation \$3/ft

B1-Wire Ribbon. 16 gauge \$1.25/ft

CL-2-16 Custom Installation Wire. For multiroom installations; 16 gauge. 4 conductors \$1.25/ft

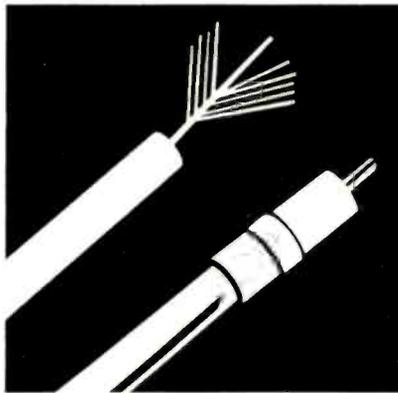
2 conductors \$0.60/ft

SP-518. 7-wire rope-lay design; 12 gauge; Accu-Flow. Capacitance 21 pF/ft \$1/ft

CL-2.4 Conductor. With foil \$1.50/ft

CL-2. 16 gauge; with foil \$0.75/ft

SP-134. 16 gauge; low-capacitance, rope-lay design. Clear or neon pink \$0.60/ft



SP-82. 18 gauge; 82 strands; low-capacitance design. Clear or neon lime \$0.30/ft

Gold-Plated Connectors

Features copper-brass base with nickel-coating and gold-plating.

Dual Solderless Banana. Gold \$10

Solderless Spade. Gold \$4

4-pk \$15

Solderless Banana. Gold \$4

4-pk \$15

Solderless Pin. Gold \$2.50

Flexi-Pin. With insulator \$2.50

Single Body Banana. With insulator. Gold \$2

Spade. With insulator. Gold \$1

Pin. With insulator. Gold \$1

AUDIENCE

Konductor. 1-m RCA interconnect \$199/pr

AUDIO NOTE

Pure-Silver Interconnects

AN-VX. Quasi-balanced configuration. 2-m pr \$1,800

1 1/2-m pr \$1,400

1-m pr \$950

3/4-m pr \$750

1/2-m pr \$550

AN-V. Quasi-balanced configuration. 2-m pr \$600

1 1/2-m pr \$515

1-m pr \$375

3/4-m pr \$300

1/2-m pr \$200

Pure-Copper Interconnects

AN-C. Quasi-balanced. 2-m pr \$175

1 1/2-m pr \$150

1-m pr \$125

1/2-m pr \$100

AN-A. Quasi-balanced. 2-m pr \$80

1-m pr \$60

1/2-m pr \$50

Pure-Silver Speaker Cable

AN-SPX. 20 strands; polyurethane coat \$175/ft

AN-SP. 15 strands; polyurethane coat \$60/ft

Pure-Silver Tonearm Cable

AN-A1. Polyurethane-coated Litz \$12.50/ft

Pure-Copper Speaker Cable

AN-B. 2 conductor \$8/ft

AN-D. As above, self-damping \$4/ft

AUDIOQUEST

AQ AC-12. 12 gauge. AC power cable with Hyperlitz configuration and ferrite RF filter. 2 m \$165

Interconnect Cable

Diamond Hyperlitz. Solid-silver strands separated by Teflon rods and wrapped around Teflon core.

Gold-plated RCA or XLR plugs. 1-m pr \$600

Other lengths, add or subtract per m-pr \$450

Lapis Hyperlitz. Teflon-insulated solid-silver strands. Gold-plated RCA or XLR plugs. 1-m pr \$400

Other lengths, add or subtract per m-pr \$250

Emerald Hyperlitz. Teflon-insulated copper strands. Gold-plated RCA or XLR plugs. 1-m pr \$250

Other lengths, add or subtract per m-pr \$100

Quartz Hyperlitz. Four polypropylene-insulated copper 6N conductors. Gold-plated RCA or XLR plugs. 1-m pr \$150

Other lengths, add or subtract per m-pr \$60

Ruby Hyperlitz. Four polypropylene-insulated copper conductors. Gold-plated RCA or XLR plugs. 1-m pr \$90

Other lengths, add or subtract per m-pr \$24

Topaz Hyperlitz. As above, solid-OFHC conductors. Gold-plated RCA plugs. 1-m pr \$50

Other lengths, add or subtract per m-pr \$10

Turquoise Hyperlitz. Four insulated solid-OFHC conductors. Gold-plated RCA plugs. 1-m pr \$30

Other lengths, add or subtract per m-pr \$6

Fiber-Optic Cable

Optilink Z. Toslink connector. Blue \$190/m

Optilink Pro. AT&T ST standard connector \$160/m

Optilink X. Toslink connector. Burgundy \$80/m

Speaker Cable

Dragon Hyperlitz. Solid-silver conductors spiraled in Hyperlitz configuration (\$95/pr prep) \$150/ft

Sterling 2 Hyperlitz. Solid-silver and solid-copper conductors spiraled in Hyperlitz configuration (\$95/pr prep) \$85/ft

Clear Hyperlitz. 24 solid-copper conductors spiraled in Hyperlitz configuration (\$95/pr prep) \$50/ft

Jade Hyperlitz. Solid-copper conductors spiraled in Hyperlitz configuration (\$65/pr prep) \$30/ft

Cobalt Hyperlitz. 6 solid-copper conductors spiraled in Hyperlitz configuration (\$65/pr prep) \$17.50/ft

Midnight Hyperlitz. 4 long-grain solid-copper conductors spiraled in Hyperlitz configuration (\$50/pr prep) \$9/ft

Crystal Hyperlitz. Long-grain and OFC solid-copper conductors spiraled in Hyperlitz configuration (\$45/pr prep) \$5/ft

Indigo Hyperlitz. Ten polyethylene-insulated solid-OFHC conductors in spiraled configuration (\$40/pr prep) \$3/ft

F-88. Eight long-grain, solid-copper conductors in flat cable. Black or white \$4.50/ft

Type 4. Four polyethylene-insulated solid-OFHC conductors in spiraled configuration \$2/ft

F-18. Eight solid-OFHC conductors in flat cable. Brown or white \$1.50/ft

Type 2. Two 3-strand OFHC conductors in spiraled configuration \$1/ft

F-14. Four solid-OFHC conductors in flat cable. Blue or white \$0.75/ft

Digital Cable

Choice of RCA or BNC plugs.

Digital Pro. Symmetrical solids; FPS silver \$140/m

Digital Z. Symmetrical solids; FPC-6 copper \$70/m

Digital X. Symmetrical solids; OFHC copper \$35/m

AUDIOSTREAM

FMS-Black Speaker Cable

6 tubular, helical spiral, OFHC conductors.

12-ft bl-wire set \$249

20-ft pr \$229

12-ft pr \$139

Timeline Speaker Cable

Helical spiral, OFHC conductors.

TL-6. 6 conductors \$2.40/ft

TL-4. 4 conductors \$1.20/ft

TL-2. 2 conductors \$0.60/ft

MC Series In-Wall Cable

Helical spiral, OFHC, CM rated.

MC-10. 10 conductors \$2/ft

MC-4. 4 conductors \$1/ft

MC-2. 2 conductors \$0.50/ft

C A B L E S & C O N N E C T O R S

Ultraline Speaker Cable

Parallel, OFHC conductors.

AC-50. Webbed	\$1/ft
AC-10. Webbed	\$0.70/ft
AC-7	\$0.30/ft

FMS-Gold Interconnect Cable

Four tubular, helical spiral, OFHC conductors.

5-ft pr	\$129
3-ft pr	\$99

Twinax Interconnect Cable

Two tubular, helical spiral, OFHC conductors.

5-ft pr	\$69
3-ft pr	\$49

Microline Interconnect Cable

Coaxial, double shielded, OFHC.

20 ft	\$59
3 ft	\$39

Connectors

AS-400G Gold RCA Plug	\$5
AS-500G Gold Banana Plug	\$3.50

BEAR LABS

Silver Lightning Interconnect Cable

Teflon/gold RCA connectors.

1 1/2-m pr	\$425
1-m pr	\$285

Balanced, silver plated XLR connectors.

pair	\$100/ft
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BOULDER

Speaker Cable

For use with Boulder power amps only. Also available with gold spade connectors on one or both ends. In lengths from 6-25 ft, stacking banana both ends, coaxial \$219-\$569/pr

Balanced Cable

Gold-plated 3-pin male to 3-pin female in lengths from 6-75 ft \$149-\$439/pr

Interconnect Cable

Gold-plated RCA plugs. 8-72 in \$109-\$139/pr

BRYSTON

Interconnect Cable.

Available in RCA-to-RCA, RCA-to-XLR, and XLR-to-XLR balanced versions. Gold-plated connectors.

2-m pr	\$129
1-m pr	\$99
1/2-m pr	\$89
Each additional meter	\$30

CALRAD

Interconnect Cable

55-1015G. Gold plated, RCA plugs on each end. Polarized and dual shielded. 25-ft pr	\$4.60
55-1013G. As above, 15-ft pr	\$3.60
55-1011G. As above, 6-ft pr	\$2.70
55-1010G. As above, 3-ft pr	\$2.45
55-1004. Gold-plated RCA plugs. 15-ft pr	\$4.35
55-1003. As above, 6-ft pr	\$3.45
55-1002. Dual shielded RCA plugs on each end. Polarized. 25-ft pr	\$4.35
55-1001. As above, 20-ft pr	\$3.25
55-1000. As above, 10-ft pr	\$2.25
55-999. As above, 6-ft pr	\$1.90
55-998. As above, 4-ft pr	\$1.75
55-923. As above, 3-ft pr	\$1.65
55-924. As above, 1-ft pr	\$1.53

CANTON

Cantolink Speaker Cable

10 gauge	\$2.74/ft
12 gauge	\$1.52/ft
14 gauge	\$1.07/ft
16 gauge	\$0.88/ft

CARDAS

All Cardas cables feature a constant "Q" copper Litz conductor core and a lifetime warranty.

Speaker Cable

All cables have a Teflon/air dielectric insulation. Prices listed are for spade connectors; other connectors are available at extra cost.

Hexlink Golden. 0.0008 ohms/ft resistance. 8-ft pr	\$1,230
Each additional foot-pair	\$86
Hexlink. 0.0018 ohms/ft resistance. 8-ft pr	\$812
Each additional foot-pair	\$56
Quadlink. 0.0023 ohms/ft resistance. 8-ft pr	\$360
Each additional foot-pair	\$34

Interconnect Cable

All connectors are fully shielded. Prices listed are for RCA or XLR connectors; other connectors are available at extra cost.

Hexlink Golden. Teflon/air dielectric; 0.012 ohms/m. 1-m pr	\$650
Each additional meter-pair	\$220
Hexlink. Teflon/air dielectric; 0.013 ohms/m. 1-m pr	\$560
Each additional meter-pair	\$168
Quadlink. Teflon dielectric; 0.021 ohms/m. 1-m pr	\$210
Each additional meter-pair	\$100
Model 300-B Micro. Teflon/cotton dielectric; 0.031 ohms/m. 1-m pr	\$116
Each additional meter-pair	\$60

Digital Coaxial Cable

Versa Lab DC-1. Foam dielectric; shielded. 1 m	\$78
Each additional meter	\$40

CHORD

The following cables, except X42PG, are 6-ft long. X42PG is 4-ft long.

PP4G. 4 gold-plated RCA to 4 RCA	\$145
MONG. Gold-plated RCA to RCA	\$112
X54PG. 5-pin DIN to 4 gold-plated RCA	\$109
2NPG. 2 BNC to 2 gold-plated RCA	\$102
PP2G. 2 gold-plated RCA to 2 RCA	\$95
X32PG. 5-pin DIN to 2 gold-plated RCA	\$87
X42PG. 4-pin DIN to 2 gold-plated RCA	\$87
X32J. 5-pin DIN to 2 mini jacks	\$87

DB SYSTEMS

DBP-12X Interconnect Cable

400 pF; gold-plated plugs. 10 m	\$110
1 m	\$64

Gold-Plated Connectors

DBP-13PX. Phono plugs. 2-pk	\$35
DBP-13JR. 3/8-in gold-plated phono jacks. 8-pk	\$30
DBP-13PM. Gold-plated phono plugs. 4 red, 4 black	\$30
DBP-9AU. 8 gold-plated, solderless banana plugs	\$25
DBP-13P. Phono plugs. 8-pk	\$17.95
DBP-9P. Dual banana plugs. 2-pk	\$17.95
DBP-9J. Dual banana jacks. 2-pk	\$17.95
DBP-13J. Gold-plated phono jacks. 8-pk	\$15.95
DBP-13JC. Gold-plated phono jacks. 8-pk	\$15.95
DBP-15. Y adaptors. 2-pk	\$12.95
DBP-16. 12-dB input attenuator	\$12.95
DBP-17. Phono coupler. 2-pk	\$12.95
DBP-14. Spade lugs. 8-pk	\$5.95
DBP-9H. Banana handles. 4 red, 4 black	\$3.50

DISCWASHER

Gold-Ens Interconnect Cable

Features heavy gold-plated connectors and mold-ened-nylon insulating sleeves. Available in single- and double-strand configurations.

2-m pr	\$25
1-m pr	\$23

Gold Ends Interconnect Cable

Double-strand RCA-connector cable with gold-plated ends and pure-copper conductors.

5-m pr	\$21
4-m pr	\$18.95
2-m pr	\$16.95
1-m pr	\$14.95

DLC

GRB016. Gold 90-degree RCA-plug to RCA-jack adaptor	\$9/pr
MA-95G. Gold RCA male to RCA male adaptor	\$3
MA-47G. Gold RCA female to RCA female adaptor	\$2.75

Audiophile Interconnect Cable

Dual stereo cables with shielding and gold-plated RCA plugs.

CAG-20. 20 ft	\$20
CAG-10. 10 ft	\$12.50
CAG-06. 6 ft	\$10
CAG-03. 3 ft	\$9.25
CAG-01. 1 ft	\$8

The Missing Link Interconnect Cable

Oxygen-free 99.96% pure-copper conductors with heavy gold connections; RCA to RCA connectors.

ML-20. 20 ft	\$13.40
ML-10. 10 ft	\$10
ML-06. 6 ft	\$7
ML-03. 3 ft	\$4.85

Y-Cord Adaptors

CAY-6. 1/4-in phone plug to two 1/4-in phone jacks	\$2.95
CAY-5. Mini plug to 2 mini jacks	\$1.95
CAY-4. Mini plug to 2 RCA plugs	\$1.95
CAY-3. RCA plug to 2 RCA jacks	\$1.95
CAY-2. RCA jack to 2 RCA plugs	\$1.95
CAY-1. Mini plug to 2 RCA plugs	\$1.95

Sound King Speaker Cable

Oxygen free copper conductors in a rope-lay configuration. Prices are per foot.

SK-8. 8 gauge; 665 strands	\$1.10
SK-10. 10 gauge; 413 strands	\$0.75
SK-12. 12 gauge; 259 strands	\$0.50
SK-14. 14 gauge; 168 strands	\$0.35
SK-16. 16 gauge; 112 strands	\$0.28
SK-18. 18 gauge; 65 strands	\$0.20

Amp King Power Cable

The following feature pure electrolytic copper conductors in a ropelay configuration and 105°C insulation. Prices are per foot.

AK-4. 4 gauge; 1,672 strands	\$1.00
AK-8. 8 gauge; 665 strands	\$0.60
AK-10. 10 gauge; 413 strands	\$0.40

ESOTERIC AUDIO

Series II Speaker Cable. OFHC conductors. 5-yr warranty. 8 ft \$10.50-\$650/pr

Interconnect Cable

The following are shielded OFHC and sold in meter pairs. RCA connectors are available. 5-year warranty.

Arturus. Silver-plated conductor in patented Air-Litz geometry insulation. Locking connectors	\$340
Tech 3ii. Patented Air-Litz geometry; twin-symmetry balanced design; XLR connectors	\$200
Tech 2ii. Patented Air-Litz geometry; twin-symmetry balanced design; XLR connectors	\$180
Primus. Patented tri-barrier geometry insulation	\$160
Graphis. Nitrogen-cell foam insulation	\$75

Connectors

The following feature gold-plating and locking system with bushings.

Model 14044. 4-way binding post; copper construction. Gold or rhodium plating	\$48/pr
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C A B L E S & C O N N E C T O R S

Model 14024. 6-way binding post	\$38/pr
Model 14124. Copper RCA jack; Teflon dielectric	\$37/pr
Model 14114. RCA jack; Teflon dielectric	\$27/pr
Model 14080. 2-way banana jack. 2 prs	\$21
Model 14060. 2-way 3/4-in banana jack. Package of 2 pairs	\$17.95
Model 14100. RCA jack; Teflon dielectric. 2 prs	\$15.95

RCA Connectors

The following feature split-center pin design, Teflon dielectric, and 24-karat gold plating. All, except the 16040, are sold in 2-pair sets.

Model 16220. AL connector	\$41.95
Model 16180. SL connector	\$27.95
Model 16170. ELS connector. Solderless	\$22.95
Model 16150. EL connector	\$18.95
Model 16024. Easy-link connector	\$16.95
Model 16040. Easy-link right-angle connector	\$14.95/pr

Line-Level A/V Adaptors

Model 17020 RCA Y. Solid brass; 24-karat gold plating; solid-copper center jumper wire. Red or black	\$40
Model 17090 Right-Angle Y. Solid brass; 24-karat gold plating	\$26/pr
Model 17100 Right-Angle RCA. Long. Solid brass; 24-karat gold plating	\$13.95/pr
Model 17120. Same as 17100, except short adaptor	\$13.95/pr
Model 17060 Male-to-Male RCA. Solid brass; 24-karat gold plating; Teflon dielectric	\$12.95/pr
Model 17080 Female-to-Female RCA. As Model 17060, female	\$12.95/pr

Speaker Cable Connectors

Model 13280 Inter-Lok Tri-Spade XL. 8 gauge. Solid brass; 24-karat gold plating; solid copper center jumper; crimpless, solderless 360° termination; 3-iler design. 2 pr	\$32
Model 13260 Inter-Lok Single Banana XL. 8 gauge. Solid brass; 24-karat gold plating; solid copper center jumper wire; crimpless, solderless 360° termination. 2 pr	\$32
Model 13250 Inter-Lok Single Banana. Same as 13260, except 12 gauge	\$25
Model 13270 Inter-Lok Tri-Spade. Same as 13280, except 12 gauge	\$25
Model 13290 Inter-Lok Bi-Pin. 12 gauge. Solid brass; 24-karat gold-plating; crimpless, solderless 360° termination; 2-step diameter tip design. 2 pr	\$25
Model 13300 T-Lok Single Banana. 8 gauge. Stackable; unibody tip design. 2 pr	\$22
Model 13310 T-Lok Dual Banana. As Model 13300	\$22/pr

EXPRESSIVE TECHNOLOGIES

IC-1 Interconnect Cable

Balanced design with grounding system. 1-meter pair	\$595
Each additional meter	\$300
With XLR connectors	\$50

IC-2 Interconnect Cable

Balanced design with grounding system. 1-meter pair	\$295
Each additional meter	\$150
With XLR connectors	\$50

GENEVA

PF-837 Double Banana Plug. Gold plating. 2	\$12
PF-836 Banana Plug. Gold plating. 2 red, 2 black	\$6
Standard Source Interconnect Cable. Replacement-type	\$3.99-4.99/pr
PF-860 RCA Jack-to-Mini Plug	\$2.99

Performance Series

Speaker Cable. 99.99% OFHC cable; 100% copper; gold-plated spade lugs	\$85-1,250
Interconnect Cable. 11 gauge; 99.99% OFHC cable; gold-plated RCA connectors	\$46-100/pr

INTERNATIONAL COMPONENTS

Super High-Grade Interconnect Cables

Low-capacitance double-shielded, double-insulated cables. Features clear-PVC jacket and gold-plated connectors.

RCA-to-RCA

Model 95-570. 12 ft	\$10.89
Model 95-560. 5 ft	\$7.39
Model 95-550. 3 ft	\$5.61

Heavy-Duty Gold-Plated Triple RCA-to-RCA.

Model 95-680. 12 ft	\$8.95
Model 95-670. 5 ft	\$7.19
Model 95-660. 3 ft	\$6.31

Heavy-Duty Gold-Plated Double RCA-to-RCA.

Model 95-640. 12 ft	\$7.54
Model 95-630. 5 ft	\$5.21
Model 95-620. 3 ft	\$4.95

Triple RCA-to-RCA

Model 95-650. Three 6-ft patch cables	\$3.56
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Double RCA-to-RCA

Model 95-610. Two 6-ft patch cables	\$3
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Push-On Cables

Model 95-220. Deluxe right-angle connectors with tension retaining rings. 6 ft	\$1.77
Model 95-210. As above, 3 ft	\$1.55

RCA Plug to Mini Plug

Model 95-520. 6-ft dubbing cable. Molded construction with gold ends	\$1.68
Model 95-510. As above, without gold ends	\$1.35

Mini Plug to Mini Plug

Model 95-540. 6-ft dubbing cable. Molded construction with gold ends	\$1.68
Model 95-530. As above, without gold ends	\$1.35

J.A. MICHELL

Big Mother Speaker Terminals

Machined-brass, Rhodium-plated 5-way binding posts. Knurled knob; 1-in thread shaft fits cabinets up to 3/4-in thick; color coded; set of 4	\$50
Gold plating	\$44

Sure-Loc Banana Plugs

Machined brass; expanding pin locks into binding post hole; knurled knob; color coded; set of 4; rhodium plating	\$44
Gold plating	\$40

Gold-Plated Banana Plugs

Machined brass; accepts wire up to 7.5 gauge; knurled knob; stackable; color coded; set of 4	\$35
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Gold-Plated Amp Terminals

Machined gold-plated brass; includes isolation washer, solder lug, and nuts; accepts up to 10 gauge wire; color coded; set of 4	\$32
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Gold-Plated Clip Adaptor Plugs

Allows speaker wire up to 10 gauge to be used with push-type connectors; color coded; set of 4	\$28
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JASCO

HE 8881 Speaker Cable. Features pure-copper strands; PVC insulation. 20 ft	\$15.59
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Speaker Cable

Features design consisting of heavy-duty copper stranding and PVC insulation.	
50 ft	\$33
20 ft	\$16

Polarized design with clear insulation.

50 ft, 18 gauge	\$4.35
60 ft, 24 gauge	\$1.95
20 ft, 24 gauge	\$1.45



Jasco HE 8881

Shielded design with 2 RCA plugs per end.

15 ft	\$3.35
6 ft	\$1.85

Shielded design with RCA to RCA plug.

12 ft	\$1.70
6 ft	\$1.35

Connectors and Adaptors

Model 1289. 6-ft Y-adaptor; one mini plug to 2 RCA plugs	\$1.95
Model 1370. Y-adaptor with 1 RCA plug to 2 RCA jacks	\$1.30
Model 1371. Y-adaptor with 2 RCA plugs to 1 RCA jack	\$1.30
Model 1294. Phone jack to mini plug	\$0.95
Model 1295. Mini jack to phone plug	\$0.95
Model 1282. Inline extension adaptor with RCA jack to RCA jack	\$0.85

Model 1251 Headphone Adaptor Kit. Includes 3 adaptors: stereo mini jack to mono mini plug, stereo phone jack to stereo mini plug, and stereo mini jack to stereo phone plug	\$2.35
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JVC

XN-700PRO Series Fiber-Optic Cable

3-layer protective structure and gold-plated center-pin connectors.

XN-720PRO. 2 m	\$150
XN-710PRO. 1 m	\$120
XN-705PRO. 1/2 m	\$100

CN-700PRO Series Interconnect Cable

Features linear-crystal Class 1 OFC in conductors and plugs, nonmagnetic gold-plated RCA plugs, dual insulation, and 192-strand braided shield.

CN-720PRO. 2 m	\$110
CN-710PRO. 1 m	\$100
CN-705PRO. 1/2 m	\$90

VX-700PRO Series Coaxial Digital Cable

Features linear-crystal Class 1 OFC in conductors and plugs, nonmagnetic gold-plated plugs, dual insulation, 192-strand braided shield, and 75-ohm impedance.

VX-720PRO. 2 m	\$70
VX-710PRO. 1 m	\$60
VX-705PRO. 1/2 m	\$50

VX-100HG Series Coaxial Interconnect Cable

Features LC-OFC copper nonmagnetic gold-plated plugs, and 75-ohm impedance.

C A B L E S & C O N N E C T O R S

VX-150HG. 5 m	\$60
VX-130HG. 3 m	\$50
VX-120HG. 2 m	\$45
VX-110HG. 1 m	\$40
VX-105HG. 1/2 m	\$35

CN-600HG Series Interconnect Cable

Features LC-OFC copper and nonmagnetic gold-plated RCA plugs.

CN-650HG. 5 m	\$50
CN-630HG. 3 m	\$40
CN-620HG. 2 m	\$35
CN-610HG. 1 m	\$30

VX-400HG Series Interconnect Cable

Features LC-OFC copper and non-magnetic 24-karat gold-plated RCA plugs.

VX-420HG. 2 m	\$50
VX-410HG. 1 m	\$45
VX-405HG. 1/2 m	\$40

XN-100HF Series Fiber-Optic Cable

XN-120HF. 2 m	\$25
XN-110HF. 1 m	\$20

KIMBER KABLE

Interconnect Cable

KCTG Silver Series. Braided pure silver with proprietary Varistrand geometry. Choice of Ultraconnect phono or XLR connectors \$650/m

KCAG Silver Series. As above, smaller braid geometry \$350/m

KC1. Copper conductor with 3-wire braided Varistrand geometry. Choice of Ultraconnect phono or XLR connectors \$76 m

Speaker Cable

8 AG. Pure silver; 16 conductors	\$180/ft
4 AG. Pure silver; 8 conductors	\$100/ft
8 TC. Copper; 16 conductors	\$7.80/ft
4 TC. Copper; 8 conductors	\$4.40/ft
8 VS. 16 conductors	\$3.50/ft
4 VS. 8 conductors	\$2.20/ft
8 PR. Premium copper	\$1.60/ft
4 PR. As 8PR, with smaller braid geometry	\$1/ft

PowerKord Power Cable

For AC. Features braided design geometry; hospital-grade connectors; angled or straight plug; IEC or direct chassis connection. Custom lengths available.

10 ft	\$175
8 ft	\$155
6 ft	\$135
4 ft	\$115

Digital Interconnect Cable

AGDL Silver Series. Pure silver cable. RCA or XLR connectors. \$25 prep fee/pr \$150/m

Fiber Optilink. Toslink fiber-optic cable. Thermal isolation jacket. 1-m pr. \$50
0.5-m pr. \$40

Connectors

PostMaster. Patented spade connector said to increase surface conductivity between speaker wire and 5-way binding posts. Available in 0.25- or 0.33-in sizes \$20/pr

Kimber Phono Connectors. Constant dynamic pressure connectors. UltraPlate alloy for high conductivity. Phono plugs or chassis jacks \$25/pr

KLYNE AUDIO ARTS

Dragonfly Wings Interconnect Series

Shielded cable with RCA connectors.

DWSh-1.5M. 1.5-m pr	\$575
DWSh-1.0M. 1-m pr	\$500
DWSh-0.5M. 0.5-m pr	\$425

Standard cable with RCA connectors.

DWS-1.5M. 1.5-m pr	\$525
DWS-1.0M. 1-m pr	\$450
DWS-0.5M. 0.5-m pr	\$375

Balanced cable with Canon XLR connectors.

DWB-1.5M. 1.5-m pr	\$525
DWB-1.0M. 1-m pr	\$450
DWB-0.5M. 0.5-m pr	\$375

For digital applications; RCA connectors.

DWD-1.5M. 1.5-m pr	\$270
DWD-1.0M. 1-m pr	\$225
DWD-0.5M. 0.5-m pr	\$175

Speaker Wire and Connectors

SWT-2. Music Plug termination; set of 8	\$240
SWG-1. Quad conductor; 10 gauge	\$225
SWD-1. Dual conductor; 12 gauge	\$125
SWT-1. Copper spade; set of 8	\$120
PCM-1. RCA phono plug. 2 pk	\$60

KOETSU

The following can be ordered in custom lengths.

SF-10 Interconnect Cable. Shielded, 2-conductor cable with RCA plugs. 0.3 m-1.5 m \$200-\$450

SF-20 Interconnect Cable. Shielded, single-conductor cable with RCA plugs. 0.3 m-1.5 m \$188-\$350

Speaker Cable \$17-\$87/ft

MAXELL

Interconnect Cable

XLS-112A-1.5. LC-OFC conductor with gold-plated RCA plugs; polyethylene insulator; braided shielding. 1.5 m \$40

XLS-112A-1. As above, 1 m \$35

XL-102A-1.5. LC-OFC conductor with gold plated RCA plugs; polyethylene insulator; LC-OFC copper shielding. 1.5 m \$28

XL-102A-1. As above, 1 m \$25

XL-SP. LC-OFC conductor with PVC insulator and shields. 20 ft \$19.99

A-471. Gold plated-RCA; copper center; RF braided shield; PVC cable jacket; polypropylene insulator. 6 ft \$18.99

A-470. As above, 3 ft \$15.99

A-SW50. 18 gauge copper wire core. 50 ft \$6.99

MEMOREX

Headphone Extension. 20-ft lightweight stereo extension cable \$6

Y-Adaptor. Dual-headphone adaptor \$3

Mono Adaptor. Mono adaptor for stereo headphones \$2

Great Connections Series

Speaker Wire. 18 gauge. 100 ft \$12.99
50 ft \$6.99
25 ft \$3.99

Headphone Extension Cord. Coiled phone jack and plug; 20 ft \$7.99

Audio Patch Cable. Double pair. 6 ft \$5.99
Stereo. 6 ft \$3.99

3 ft \$2.99
Mono. 6 ft \$2.99
3 ft \$1.99

Dual-to-Single Mini Jack Adaptor. Stereo \$2.99
Interconnect Cable. RCA plug to RCA jack. 20 ft \$2.99

Y Adaptor. 3 in \$2.49

Mini Jack Adaptor. Adapts to stereo phone plug \$1.99

Stereo-to-Mono Mini Plug Adaptor \$1.79
Inline Connector. RCA to RCA \$1.79

MISSION

Cyrus Speaker Cable. 0.95-mm solid-core OFC cable; polypropylene/polyurethane insulation \$3/ft

Mission Speaker Cable. 690-strand OFC-copper cable; polypropylene insulation \$2/ft

MOGAMI

W2941. 8-conductor speaker cable	\$3.98/ft
W2919. 6-conductor speaker cable	\$3.02/ft

W2921. 4-conductor speaker cable	\$2.67/ft
W2534. 4-conductor interconnect cable	\$0.55/ft

Interconnect Cables

2 RCA-to-RCA cables with gold-plated plugs.

RW-20. 20 ft	\$22
RW-15. 15 ft	\$18.63
RW-10. 10 ft	\$15.48
RW-06. 6 ft	\$11.88
RW-03. 3 ft	\$11.27
RW-01. 1 ft	\$10.14

1 RCA-to-RCA cable with gold-plated plugs.

RR-20. 20 ft	\$12.82
RR-15. 15 ft	\$10.93
RR-10. 10 ft	\$9.17
RR-06. 6 ft	\$7.68
RR-03. 3 ft	\$7.01
RR-01. 1 ft	\$6.43

MONSTER CABLE

M Series Interconnect Cable

M Sigma 2000

Features balanced-imp, multiconductor construction with MicroFiber; 12-cut Turbine connectors.

2 male RCA's to male XLR. 20-ft pr	\$1,700
2 male RCA's to male XLR. 2-m pr	\$1,100
2 male RCA's to male XLR. 1-m pr	\$950
Female XLR to male XLR. 20-ft pr	\$1,650
Female XLR to male XLR. 2-m pr	\$1,050
Female XLR to male XLR. 1-m pr	\$900
0.5 m-20-ft pr	\$675-\$1,500
With ground-control connection. 1-m pr	\$875

M Series M1500

Features balanced-imp design; 12-cut Turbine connectors.

0.5 m-6-m pr	\$450-\$980
With ground-control connection. 1-m pr	\$450

M Series M1000 MkIII

Phase-aligned bandwidth-balanced design with 12-cut Turbine connectors and MicroFiber insulator.

0.5 m-6-m pr	\$120-\$500
With ground-control connection. 1-m pr	\$235

M Series M850

Bandwidth-balanced construction with separate multiple-gauge Time Correct wire networks utilizing Iso-Tec insulator and 12-cut Turbine connector.

0.5 m-6 m	\$75-\$350
From spool	\$3.50/ft

M Series M550

As M850. 8-cut Turbine connector.

0.5 m-6 m	\$45-\$200
From spool	\$2.50/ft

Interlink Interconnect Cable

Interlink Reference II

3-wire multiple-gauge network for each conductor; Turbine connectors.

0.5 m-6-m pr	\$75-\$290
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Interlink 800

2 multiple-gauge, bandwidth-balanced wire networks. Features Isotec insulator and MicroFiber dielectric; 12-cut Turbine connectors.

0.5 m-6 m	\$60-\$280
From spool	\$6/ft

Interlink 500

Bandwidth-balanced construction; dual conductors with MicroFiber.

0.5 m-6 m	\$40-\$180
From spool	\$4/ft

Interlink 400

Bandwidth balanced with MicroFiber; 8-cut Turbine connectors.

0.5 m-6 m	\$30-\$93
From spool	\$1.60/ft

C A B L E S & C O N N E C T O R S

Interlink 400 Portable

Interlink 400 cable in special configuration for portable A/V components.
0.75 m-1.5 m \$30-\$40

Interlink CD

1 m-6 m pr \$30-\$76
From spool \$1.50/ft

M Series Speaker Cable

M Sigma 2

Features balanced-imp; magnetic flux core, high-current capacity, and cold-weld solderless connection.

Biwire, 20-ft pr \$1,700
8-20 ft \$750-\$1,500/pr
Biwire, 12-ft pr \$1,200
Biwire, 8-ft pr \$950
Bulk \$35/ft

M1.5

Features balanced imp, MicroFiber technology, Magnetic Flux Tube construction, and solderless spade connector.

8-25 ft \$400-\$1,000/pr

M1

Features MicroFiber dielectric designed to reduce intertransient noise and transient interference; X-Terminators. Includes carrying case.

4.5 m-9 m \$400-\$650/pr
From spool \$10/ft
With M-Spades \$325-\$600/pr

M.75

Time Correct four-conductor cable featuring Multi Twist and IsoTec construction \$5/ft

MCX-4

Four conductor cable featuring Multi Twist and Iso-Tec construction. Two time-correct conductors. \$3 ft
MCX-2. As MCX-4, no blamping \$1.50/ft

Speaker Cable

Powerline II Plus

Features bass-control conductor for even distribution of magnetic fields and time-aligned signal.

4.5 m-7.5 m \$150-\$200/pr
From spool \$3.75/ft

Powerline III Plus

Smaller version of Powerline II Plus.

Unterminated \$2/ft

New Monster Cable

Multigauged separate high and low conductor networks for biwiring or biampifying; terminated with angled gold-plated connectors.

3 m-15 m \$40-\$150/pr
From spool \$1.50/ft

Original Monster Cable

Original Monster Cable with new strand configuration. Universal gold-plated connectors with lock-notch.

4.5 m-15 m \$35-\$125/pr
From spool \$1.25/ft

Superflex 2

Flat profile with wide center web for placement under carpets or along walls.

From spool \$1/ft

Monster XP

From spool \$0.50/ft

Connectors and Adaptors

Gold Pin Connectors

For push-pin terminal connections; 24-karat gold plating.

M Series, 4-pk \$10
Regular, 4-pk \$6

Angled Gold Pin

60-degree angle to reduce stress between pin and cable; lock-notch design; OmniFlex connector.

M Series, 4-pk \$12
Regular, 4-pk \$8
Mini, 4-pk \$8

Gold Spade Connectors

M Series, 4-pk \$20
Regular, 4-pk \$10
Mini, 4-pk \$8

Monster Tips

Gold-plated banana connector with 9 beryllium-copper leaf springs.

M Series, 2-pk \$14
Regular, 2-pk \$12
Mini, 2-pk \$12

Precision Gold Banana Connectors

Solid-shaft design.

Component series connector, 2-pk \$100
X-Terminator II, 2-pk \$120
X-Terminator, 2-pk \$60
Powerconnect 2, 2-pk \$40

Phonolink Precision Turbine-Cut RCA's

Fits Interlink Reference II interconnects \$50/pr
Fits Interlink 500 interconnects \$35/pr
Fits Interlink 400 interconnects \$28/pr
Fits M850 interconnects \$20
Fits M550 interconnects \$15

Phonolink Precision Gold RCA Connectors

Fits Interlink 300, Interlink 301, and Interlink CD.
Phonolink 300, 2-pk \$8

Phonolink Right-Angle Turbine RCA Connector

Fits Interlink 500, Interlink 400, and Interlink 300 interconnect cables \$20/pr

Turbine Y Adaptor

Male-to-two female RCA y-adaptor; 24-karat gold plating \$20/pr

Right-Angle RCA Adaptor

Male-to-female RCA adaptor with 90-degree bend; 24-karat gold plating \$12/pr

Crimp Rings

M Series \$0.20
Regular \$0.10

Cable Pants

M1 \$2/pr
Powerline 2 Plus \$1/pr
Powerline 3 Plus \$1/pr

MSB TECHNOLOGY

The following are individually evaluated and hand made.

Interconnect Cables. Designed to handle high energy, fast transients without phase smearing or dynamic coloration; inductance 0.3 μ H/ft; capacitance 80 pF/ft. 3 ft \$300
Each additional foot \$100

Speaker Cables

The following have 0.01 ohms/ft resistance.

10 ft \$1,200
5 ft \$600

MUSEATEX

Musetax Crypton Speaker Cable. Cryogenically treated to improve conductivity; made from individually insulated OFC wires; gold-plated connectors. Available in several lengths. 4-ft pr \$350

Musetax Crypton Interconnect Cable. Cryogenically treated to improve conductivity; made from individually insulated OFC wires; gold-plated connectors. Available in several lengths. 3-ft pr \$200

NAIM

NACA5 Speaker Cable. Consists of two separate 4-mm square conductors \$12.95/m
MA4MM. Dual plug for above \$14

ORA

OFX RCA-to-RCA Cable. OFC with gold-plated, color-coded connectors. 1, 3, 12, 15, 20 ft \$6.99-\$18

Shielded OFC Cable. For remote turn-on applications. Copper cable with gold-plated connectors. Various lengths, starting at \$14.95

UFG-12 Ultra-Shielded 75-Ohm Cable. Gold-plated F-to-F screw-on connectors. 12 ft \$14.50
UFG-9. 9 ft \$12.50

90° RCA Connector. Gold-plated screw lock \$11.95

SQGDUB3 A/V Cable. Stereo-to-stereo. Color-coded RCA connectors. 9 ft \$11.95
SQGDUB6. As above, 9 ft \$10.95
SQGDUB9. As above, 3 ft \$8.95

BNX18. Gold-plated banana plugs \$10.95

RMFGL90 A/V Connector. 90°; standard size. 24-karat gold-plated RCA plug \$10.45
RMFGS90. As above, smaller \$10.45
RMG290. 90° 24-karat gold-plated RCA plug \$4.05
RFG248. 24-karat gold-plated RCA jack \$2.99
RMG249. 24-karat gold-plated RCA plug \$2.99

SQ-HS-6 Stereo Cable. Back-to-back, male-to-female. 6 ft \$8.95

BNA90-2 Banana Plug Set. Thumb-screw locking system; electroplated 24-karat gold-plating. Up to 8-gauge wire \$8.50

ABB-6 BNC-To-BNC Cable. 6 in \$7.50
ABB-3. As above, 3 in \$6.50

BND50-2 Dual-Banana Plug. Gold plating \$6.79

A2R2LR-15 A/V Patch Cord. 2 RCA to 2 right-angle RCA. 15 ft \$6.50
A2R2LR-10. As above, 10 ft \$5.50
A2R2LR-4. As above, 4 ft \$3.50

BNSA49 Single Banana Plug. Color coded \$3.99

A2R2J-6F Dual RCA Extension Cord. Male to female. 10 ft \$3.99
A2RJ-10. As above, 6 ft \$3.45

BFF-12 Screw-On F-To-F Cable. 12 in \$3.20
BFF-9. As above, 9 in \$2.70
BFF-6. As above, 6 in \$2.15
BFF-3. As above, 3 in \$1.90

FPP-12 Push-On F-To-F Cable. 12 in \$3
FPP-9. As above, 9 in \$2.40
FPP-6. As above, 6 in \$1.95
FPP-3. As above, 3 in \$1.60

ARR-12 RCA To RCA 75-Ohm Cable. 12 in \$2.75
ARR-9. As above, 9 in \$2.25
ARR-6. As above, 6 in \$1.75
ARR-3. As above, 3 in \$1.35

RCA Adaptors

RMFGS90. 1 male, 1 female 90° short adaptor \$10.45
RMFGL90. As above, long \$10.45
T2M1FC. T-adaptor; 2 male, 1 female \$8.95
T2F1MC. T-adaptor; 1 male, 2 female \$8.45
T3FG. T-adaptor with 3 female jacks \$6.95

RCA Y Connectors

APPG. 2 plugs to 1 jack. Gold plating \$3.60
PAAG1. 2 jacks to 1 plug. Gold plating \$3.60
PAA-1. As above, nickel plating \$1

C A B L E S & C O N N E C T O R S

PFANTONE

Crankin Cable Series

2 RCA plugs to 2 RCA right-angle plugs on double shielded cable with clear jacket; gold-plated connectors.

CC17GL. 17 ft	\$42
CC12GL. 12 ft	\$37
CC6GL. 6 ft	\$32
CC3GL. 3 ft	\$29
CC1.5GL. 1.5 ft	\$24
CC0.5GL. 0.5 ft	\$23
Crankin Cable Connector. RCA-to-RCA coupler; non-magnetic, gold-plated material. 2-pk	\$14

PIONEER

JLL-AP115T Fiber-Optic Cable

Features 3-layer construction; bundled quartz glass-fiber core; connector with metal ferrule

\$100

PORTLAND INSTRUMENTS

Taperwire

Speaker wire 7/8-in wide single-sided tape.

Model 222R. 2-22 gauge	\$1.50/ft
Model 2224R. 2-24 gauge flat wire	\$0.58/ft
Model 218R. 2-18 gauge flat wire	\$0.44/ft

PRISMA

Speaker Cable

T.C. Time-compensated. Contains 3-sizes OFC/Litz wires. Soflex PVC insulation.

7 1/2- to 20-ft \$183-\$445/pr

Dual-Channel Interconnect. 174-strand OFC center conductor with polyfoam insulation; Soflex PVC outer jacket. Directional; marked with arrows. Gold-plated RCA plugs. 1/2 to 3 m \$55-\$85

Prisma 10. 7.5 gauge. 99.99% OFC; Soflex PVC insulation. Directional; marked with arrows	\$4.39/ft
Prisma 4. As above, 10 gauge	\$2.99/ft
Prisma 2.5. As above, 12 gauge	\$1.99/ft
SC-9. 99.99% OFC; polyethylene insulation. Directional; marked with arrows	\$0.99/ft

Connectors

Gold-Plated RCA Plugs. Machined brass; split center pin; Teflon dielectric; non-magnetic brass shell. Color coded \$16/pr

Gold-Plated RCA Chassis Jack. Machined brass; Teflon dielectric. Color coded \$13/pr

Gold-Plated Jumbo Spade Lugs. Brass. For up to 7.5-gauge speaker cable \$4

Gold-Plated Spade Lugs. Brass. For up to 10-gauge speaker cable \$1.25

Gold-Plated Pin Terminals. Brass. For up to 10-gauge cable \$1.25

RADIO SHACK

Interconnect Patch Cable

Model 42-2604. 4 phono plugs to 4 phono plugs in ribbon-type assembly. 3 ft	\$16.95
Model 42-2603. 4 phono plugs to 4 phono plugs. 3 ft	\$16.95
Model 42-2606. 2 phono plugs to 2 phono plugs. 12 ft	\$14.95
Model 42-2605. As above, 6 ft	\$11.95
Model 42-2601. 2 phono plugs to 2 phono plugs. Features strain relief at each end. 3 ft	\$9.95
Model 42-2602. 2 phono plugs to 2 phono jacks. 3 ft	\$9.95
Model 42-2355. 4 phono plugs to 4 phono plugs in ribbon-type assembly. 6 ft	\$8.89
Model 42-2354. As above, 3 ft	\$6.99
Model 42-2356. 1 phono plug to 1 phono plug. Features shielding to prevent hum and interference. 12 ft	\$6.59
Model 42-2309. 4 separate cables, each with 1 phono plug to 1 phono plug	\$5.69
Model 42-2352. 1 phono plug to 1 phono plug. 6 ft	\$4.39
Model 42-2351. As above, 3 ft	\$3.89

Model 42-2353. 2 phono plugs to 2 phono jacks. 3 ft \$3.99

RECOTON

Interconnect Cable

AV 15. OFC conductor; gold-plated stereo connectors; 6 ft	\$40
AV 14. As above, 3 ft	\$25
AV 13. OFC conductor; gold-plated connectors; 6 ft	\$25
AV 12. As above, 3 ft	\$19.99
AC 21. Gold-plated stereo connectors; 6 ft	\$17.99
AC 20. As above, 3 ft	\$15.99

ACG 204. Gold-plated connectors; 17 ft	\$11.29
ACG 144. As above, 12 ft	\$9.49
ACG 72. As above, 6 ft	\$7.49
ACG 36. As above, 3 ft	\$6.79
ACG 18. As above, 1 1/2 in	\$4.99

AC 220. 4 RCA to 4 RCA plugs; 6 ft	\$8.99
AC 237. 2 RCA to 2 RCA plugs; 20 ft	\$7.79
AC 236. As above, 10 ft	\$5.39
AC 211. As above, 6 ft	\$3.79
AC 224. As above, 3 ft	\$3.49
AC 241. 2 RCA to 2 RCA plugs; piggyback jacks; 10 ft	\$6.99
AC 240. As above, 6 ft	\$6.49
AC 239. As above, 3 ft	\$5.69
AC 223. RCA to RCA plug; 25 ft	\$5.39
AC 202. As above, 10 ft	\$3.29
AC 201. As above, 6 ft	\$2.69
AC 200. As above, 3 ft	\$2.09

CD Interconnect Series

CD 17. 2 RCA to 2 RCA plugs with ground wire; gold-plated connectors; 20 ft	\$32
CD 12. BOA connectors; 6-ft pr	\$32
CD 13. As above, 3-ft pr	\$27
CD 16. 2 RCA to 2 RCA plugs; gold-plated connectors; 10 ft	\$26
CD 15. As above, 6 ft	\$19.99
CD 14. As above, 3 ft	\$16.99

Extension and Adaptor Cables

ACW 346. Extension headphone cable; coiled; includes adaptors. 25 ft	\$14.49
EG 44. Extension kit for stereo headphones; includes adaptors. 25 ft	\$14.49

AC 302A. Extension cable; mini jack to mini stereo plug; includes phone-plug adaptor. 25 ft	\$9.99
AC 302Bag. As above, without adaptor	\$7.49
ACW 344. As above, 6 ft	\$4.99
ACW 343. Mini plug to mini plug; 6 ft	\$4.99
AC 305. As above, 4 ft	\$2.39
ACW 337. 2 mini plugs to 2 RCA plugs; 6 ft	\$4.59

AC 409. RCA plug to 5-pin DIN/4; 6 ft	\$7.19
AC 226. RCA plug to jack; 10 ft	\$2.99
AC 204. As above, 6 ft	\$2.59
AC 205. RCA plug to mini plug; 6 ft	\$2.69
AC 207. RCA plug to stripped, tinned ends	\$2.19

Speaker Cable

SW 1650. 16 gauge. 50 ft	\$10.99
SW 18100. 18 gauge. 100 ft	\$15.49
SW 1850. 18 gauge. 50 ft	\$8.99
SW 1830. 18 gauge. 30 ft	\$6.99
SW 5020. 20 gauge. 50 ft	\$7.49
SW 100. 24 gauge. 100 ft	\$7.19
SW 50. 24 gauge. 50 ft	\$4.29
SW 25. 24 gauge. 25 ft	\$2.69
SW 12. Spade connectors; 20 gauge. 25 ft	\$4.09
SW 11. RCA plug connectors; 24 gauge. 40 ft	\$4.09
SW 15. RCA plug to jack connectors; 24 gauge. 20 ft	\$3.49
SW 10. RCA plugs; 24 gauge. 20 ft	\$3.49
SW 9. As above, 10 ft	\$2.69

Magnum Series Speaker Cables

SW 1230SP. Includes connectors. 12 gauge; 30 ft	\$38
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SW 1220SP. As SW 1230SP, 20 ft	\$30
SW 1210SP. As above, 10 ft	\$17.49

Power Cable

AC 330. Polarized cord. For Panasonic portables	\$3.99
AC 328. As above, for Sony	\$3.99

Y-Adaptor Cables

ACW 339. Mini plug to 2 RCA plugs. 6 ft	\$5.39
ACW 333. Stereo mini plug to 2 mini stereo jacks	\$5.39
AC 307. Stereo phone plug to 2 stereo phone jacks	\$4.89
ACW 332. Phone stereo plug to 2 mini stereo jacks	\$3.99
ACG Y 1. RCA female to 2 RCA male; gold-plated connectors	\$3.99
ACG Y 2. 2 RCA female to RCA male; gold-plated connectors	\$3.99
AC 320. Mini plug to 2 RCA plugs	\$3.79
AC 230. RCA jack to 2 RCA plugs	\$2.69
AC 212. RCA plug to 2 RCA jacks	\$2.59

Connectors

C 1402-2. RCA in-line plug; chrome plating. 1 pr	\$3.49
C 1517. Connector, RCA jack to RCA jack	\$2.99
C 1506. Connector	\$2.49
C 1518. Adaptor; RCA plug to mini jack	\$2.49
C 1513. Adaptor; RCA jack to mini plug	\$2.49
C 1403-3. RCA in-line jack; chrome plating. 1 pr	\$2.39

SIGNET

Speaker Cable

MLA-500. Multiple-strand OFC	\$1.15/ft
MLS-1000. Multiple-strand ofc	\$3.35/ft
HT18. 18 gauge	\$16/ft

Interconnect Cables

AT6D51/1.0. Quartz fiber-optic cable; ceramic/polyethylene insulation; gold-plated connectors. 1-m length	\$200
AT6A52/1.0. Ceramic/polyethylene insulation; PC-occ dual-center conductors; unidirectional ground configuration; solid PC-occ RCA plug connector. 1-meter pair	\$175

MTU. High-density PC-occ braided shield; gold-plated-brass RCA connectors. 6-ft pr	\$150
3-ft pr	\$125
1 1/2-ft pr	\$100

MTP. PC-occ conductor; OFC braided shield; gold-plated RCA connectors. 6-ft pr	\$85
3-ft pr	\$70
1 1/2-ft pr	\$60

MTA. OFC conductors and braided shield; gold-plated RCA connectors. 6-ft pr	\$57
3-ft pr	\$45
1 1/2-ft pr	\$40

MTS. OFC conductors; gold-plated RCA connectors; braided shield. 12-ft pr	\$48
6-ft pr	\$36
3-ft pr	\$30
1 1/2-ft pr	\$27
MTS-300. Bulk per ft	\$1

MTB. Pure copper, multiple-strand center conductors; braided shield; gold-plated RCA connectors. 16-ft pr	\$22
6-ft pr	\$18
3-ft pr	\$15

Stereo A/V Interconnect Cables

VK312. Audio cable with pure copper, multiple-strand center conductors; braided shield; gold-plated RCA connectors. 75-ohm coaxial video cable. 12-ft set	\$37
6-ft set	\$30
3-ft set	\$25

C A B L E S & C O N N E C T O R S

SILTECH

The following are made of pure silver.

Interconnect Cable

MC4-120. Includes WBT 0150 connectors. Red/blue. 1/2-m pr	\$920
Each additional 1/2-m	\$770
MC4-80. Includes WBT 0150 connectors. Blue. 1/2-m pr	\$800
Each additional 1/2-m	\$650
MC4-56. Includes WBT 0101 connectors. Red. 1/2-m pr	\$375
Each additional 1/2-m	\$250
MC4-24. Includes WBT 0101 connectors. White. 1/2-m pr	\$250
Each additional 1/2-m	\$125

Speaker Cable

FT-12. Includes spade lugs. 1-m length	\$525
Each additional m	\$475

Coaxial Digital Cable

HF-6. Includes WBT 0101 connector. 1-m length (mono)	\$175
Each additional m	\$110

SIMPLY PHYSICS

Analog Interconnect Cable

WaveWire. Pure-copper cable; pure-silver soldered-terminals; silver plating; Teflon dielectric. RCA or XLR jacks. 1 m	\$295
Additional 0.5 m	\$50

Coaxial Digital Interconnect Cable

All cables are fully-shielded with 75-ohm imp.

Byteline 111. Foamed-Teflon dielectric. Rhodium-plated-copper RCA jacks. 1 m	\$200
Additional 0.5 m	\$100
Byteline 101. Teflon-dielectric insulation. Neutrix gold-plated XLR's. 1 m	\$150
Additional 0.5 m	\$70
Byteline 001. Solid-copper inner conductor; foamed-Teflon dielectric. BNC, RCA, or F connectors. 1 m	\$100
Additional 0.5 m	\$30
Littlebit 100. Ferrite rings. 1 m	\$60
Additional 0.5 m	\$15

Powerpath Speaker Cable

Features silver-soldered, pure-copper cable; gold- or silver-plated-copper lugs; Teflon dielectric.	
PTF-1. 9 gauge	\$30/ft
PTF-2. 6 gauge	\$75/ft

SONY

POC-15. Fiber-optic Toslink digital cable. 1.5 m	\$35
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SOUNDSTREAM

SL-1 Silver-Teflon Interconnect Cable

Utilizes 2 silver-coated 22-gauge fine-stranded center conductors; OFC; nitrogen-filled Teflon dielectric coating; 24-karat-gold plated RCA connectors. 0.5-2 m	\$36/pr-\$60/pr
Bulk	\$2/ft

DL-1 Dual Interconnect Audio Cable

Features oxygen-free copper with multiple fine-strand center conductor; polyethylene dielectric coating; polyvinyl-chloride jacket; 24-karat-gold-plated RCA connectors. 0.5-5 m	\$28/pr-\$60/pr
Bulk	\$1.25/ft

Speaker Cable

Speaker 120. 12 gauge	\$0.75/ft
Speaker 160. 16 gauge	\$0.40/ft

STINGER

AAMP In-Wall Speaker Cable

Features jacket with ft markers.

AW12ACL3. 12 gauge; 4 conductors; CL3 rated. orange. 500 ft	\$500
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AW122CL3. 12 gauge; 2 conductors; CL3 rated, green. 1,000 ft	\$330
AW164CL3. 16 gauge; 4 conductors; CL3 rated, yellow. 500 ft	\$320
AW162CL3. 16 gauge; 2 conductors; CL3 rated, blue. 1,000 ft	\$200
ARW22CL3. 22 gauge; violet. 1,000 ft	\$140

STRAIGHT WIRE

Interconnect Cables

Maestro. Microporous foam Teflon dielectric; models BMI for balanced and MSI for unbalanced applications; clear jacket over pearlescent white polymer fiber braid. 1-m pr	\$270
Additional m-pr	\$160
Rhapsody. Star quad geometry with individually insulated strands, blue braid covered with clear jacket. 1-m pr	\$150
Additional m-pr	\$60
Encore. Symmetrical twin-axial design using individually insulated OFC strands and Teflon insulation; red textile braid jacketed with clear PVC; balanced-line ready. 1-m pr	\$90
Additional m-pr	\$40
Laser-Link. Low density Teflon and polymer coated OFC strands in symmetrical coaxial design; teal blue jacket and gold phono plugs. 1-m pr	\$59
Additional m-pr	\$28
Flexconnect. Coaxial employing high coverage OFC conductors and solid Teflon insulation; red PVC jacket with gold phono plugs. 1-m pr	\$39
Additional m-pr	\$12
Musicable. Star quad design with oxygen-free copper; shielded coverage; navy PVC jacket and gold plugs. 1-m pr	\$28
Additional m-pr	\$8

Coaxial Digital Cable

Mega-Link. Foam Teflon insulation and individually insulated silver composite strands; available with gold RCA, bayonet-coupling, or F connectors. Per meter length	\$120
Additional meter length	\$70
Silver-Link. 75-ohm coaxial with silver-plated OFC conductors and polyethylene foam dielectric. Per meter length	\$44
Additional meter length	\$14
Video-Link. High resolution digital cable with black jacket and gold plugs; BNC, F or other ends. Per meter length	\$22
Additional meter length	\$7

Speaker Cables

Maestro. Symmetrical 9-gauge per polarity coaxial; 3/8-in diameter with polymer coated conductors. 10-ft pr	\$680
Per bulk ft	\$30
Rhapsody. Individually insulated strands; 1/2-in diameter with blue textile braid. 10-ft pr	\$360
Per bulk ft	\$15
Encore. Symmetrical coaxial; 12 gauge per polarity with individually insulated strands and foam Teflon insulation; red textile braid with 3/8-in diameter. 10-ft pr	\$200
Per bulk ft	\$8
Laser-8. OFC conductors insulated with polypropylene in helical array; 12 gauge; teal blue; for biwiring. 10-ft pr	\$100
Per bulk ft	\$4
Flex-4. 4 polypropylene-coated OFC conductor groups totaling 13 gauge per polarity; for biwiring. 10-ft pr	\$55
Per bulk ft	\$2
Waveguide-3. 16 gauge; UL/CL-2-rated in-wall cable available in assorted colors and configurations for various installations	\$1.20/ft
WG-2. As above, 18 gauge	\$0.95/ft
WG-1.5. As above, 16 gauge	\$0.75/ft

SYMDEX

Speaker Cable

Features solid-core, 24-gauge OFC conductors insulated with Teflon.

Omega	\$28/ft
Beta	\$14/ft
Alpha	\$7/ft

TARA LABS

Speaker Cable

Rectangular Solid Core	
12 ft	\$1,170/pr
10 ft	\$990/pr
8 ft	\$810/pr
6 ft	\$630/pr
4 ft	\$450/pr
Each additional ft	\$45

Temporal Continuum

Prices include 1 pair of temporal controllers, Tara Labs termination charges, and an instructional compact disc.

12 ft	\$602/pr
10 ft	\$534/pr
8 ft	\$466/pr
6 ft	\$398/pr

Classic Series

Digital Master

2 m	\$990
1.5 m	\$795
1 m	\$595
Each additional meter	\$395

Digital Reference

2 m	\$310
1.5 m	\$255
1 m	\$195
0.6 m	\$180

Interconnect Cable

Temporal Continuum

2 m	\$635/pr
1.5 m	\$515/pr
1 m	\$395/pr
0.6 m	\$320/pr
Each additional meter	\$240

Prism

2 m	\$47/pr
1.5 m	\$39/pr
1 m	\$29/pr
Each additional meter	\$18

Quantum Series

Quantum Studio

2 m	\$490/pr
1.5 m	\$392/pr
1 m	\$295/pr
0.6 m	\$275/pr
Each additional meter	\$195

Quantum Reference

2 m	\$405/pr
1.5 m	\$328/pr
1 m	\$250/pr
0.6 m	\$230/pr
Each additional meter	\$195
XLR connectors	\$28

Quantum IV

2 m	\$290/pr
1.5 m	\$232/pr
1 m	\$175/pr
0.6 m	\$155/pr
Each additional meter	\$115
XLR connectors	\$28

Quantum III

2 m	\$162/pr
1.5 m	\$132/pr
1 m	\$98/pr
0.6 m	\$79/pr
Each additional meter	\$65

C A B L E S & C O N N E C T O R S

Quantum II	
2 m	\$139/pr
1.5 m	\$99/pr
1 m	\$79/pr
0.6 m	\$64/pr
Each additional meter	\$60

Quantum I	
2 m	\$110/pr
1.5 m	\$88/pr
1 m	\$65/pr
0.6 m	\$48/pr
Each additional meter	\$45

Quantum CD	
2 m	\$79/pr
1.5 m	\$65/pr
1 m	\$49/pr
0.6 m	\$39/pr
Each additional meter	\$33

TDK

CA-QL301-1.5. Interconnect cable, 5 ft	\$82
CA-QL301-1.0. As above, 3.3 ft	\$76
CA-QL601-3.0. Speaker cable, non-terminated; 10 ft	\$70

TIFFANY

Interconnect Cables

TIC-10. High-gloss black PVC jacket with stranded silver-plated OFC copper-center conductor; 6 wires wrapped around non-conducting center core. Terminated with Jade-7B connectors. 1-m pr	\$198
TIC-5. As above, dielectric. Terminated with CX-7B OFC connectors. 1-m pr	\$130

Power Cords

TPC-60T. 12C multi-stranded, glossy-black PVC jacket. Foil-shielded and drain wire to eliminate RFI and EMI. 3-prong male plug with IEC-320	\$125
TPC-60S. As above without IEC-320	\$100
TPC-40. 37 strands of copper, glossy-maroon polyvinyl-chloride jacket. Foil shielded and drain wire to eliminate radio-frequency and electromagnetic interference. 3-prong male plug with IEC-320	\$80

TRANSPARENT

Speaker Cable

MusicWave Reference. Spade to spade, 3-25 ft	\$3,100-\$4,550/pr
MusicWave Ultra. Spade connector to spade connector, 3-25 ft	\$1,800-\$2,850/pr
MusicWave Super. Spade connector to spade connector, 3-25 feet	\$900-\$1,850/pr
MusicWave Plus. Spade connector to spade connector, 3-25 feet	\$390-\$875/pr
MusicWave. Spade to spade, 3-25 ft	\$200-\$615/pr
Zapchord. Pin to banana, 8-25 ft	\$150-\$335/pr
Musichord. Pin to pin, 8-25 ft	\$90-\$175/pr
Adaptors for Zapchord and Musichord	\$12-\$30

Interconnect Cable

The following are sold in 3-25 foot lengths.

Balanced MusicLink Reference.	\$3,000-\$3,650
MusicLink Reference.	\$1,700-\$3,000
Balanced MusicLink Ultra.	\$1,500-\$2,150
MusicLink Ultra.	\$750-\$1,220
Balanced MusicLink Super.	\$800-\$1,450
MusicLink Super.	\$400-\$985/pr
Balanced MusicLink Plus.	\$400-\$985
MusicLink Plus.	\$200-\$525/pr
Balanced MusicLink.	\$119-\$580/pr
MusicLink.	\$115-\$335/pr
Musichord.	\$65-\$260/pr
Zapchord.	\$40-\$170

VAMPIRE WIRE

Connectors and Adaptors

BP-1. Binding post. Silver- and gold-plated brass. Includes mounting blocks. 2 pr	\$30/set
XOFC. Male RCA's, single solder connection; RF	

shielding. For cable 4-9.3 mm in diameter	\$25/pr
P558. Gold-plated banana plug solder or screw connection. Includes color-coded caps. For up to 8-gauge cable, 2 pr pack	\$23
Y. Y adaptor. 1 male to 2 female; Teflon dielectric with deep contact tube. Gold plating	\$20/pr
Model 90A. Right-angle adaptor. Teflon dielectric with deep contact tube. Gold plating	\$16.95/pr
PM2F. Female RCA chassis-mount connectors. Silver- and gold-plated brass. Teflon dielectric. Outside mount	\$12/pr
Inside mount	\$15/pr
DF. Double female coupler; Teflon dielectric and 1-piece contact tube. Gold plating	\$14.95/pr
PPP7. Gold-plated, black-barrel, phono plug. For up to 6.5-mm diameter cable	\$14.95/pr
PSO. 4% silver solder	\$9.95/oz
LRCAT. Gold-plated locking male RCA connector. For cables from 5-7 mm in diameter	\$20 or
LRCAB. As above, for 8 mm cable	\$22/or
X Series. Gold-plated male cable RCA's. Single solder connection. RF shielding. For cable 4-9.3 mm in diameter	\$14.95-16.95/pr
Model 557. Gold-plated male RCA. Heavy-duty ground crown	\$9.95/pr
Model 582. Gold-plated female RCA. For 5 mm diameter cable with strain-relief spring and 7 mm cable without spring	\$9.95/or
SB. Gold-plated banana plugs. Single plug for cable up to 6 gauge. Stackable for biwiring, 2 pr	\$25
DB. Gold-plated banana plugs. Double plugs for cable up to 6 gauge. Will fit standard 3/4-in binding post spacing	\$30/set
B12. Gold-plated banana plugs. Designed to crimp onto cables. Color coded caps. Accepts up to 10 gauge cable. Solder notch provided. 2 pr	\$9.95

Interconnect Cable

Pure Silver Twin Axial Interconnect

Twin 22-gauge polyethylene dielectric internal conductors; continuous foil and silver-plated copper braid shields; matte finish 105° PVC outer jacket; terminated with OFC RCA's. 1/2-7 m	\$250-1,450
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SC Series IV Quad Balanced Interconnect

Quad construction balanced cable. 4 symmetrical internal 41-strand silver-clad OFC with polyethylene foam dielectric. Continuous foil and braided shields; PVC jacket. Terminated with LRCAB's. Available in lengths from 1/2-7 m	\$110-305
50, 100, and 250 ft spools	\$10/ft

SC Series II Twin Axial Interconnect

Balanced cable with 63-strand silver-clad OFC. Polyethylene foam dielectric center conductors. Internal conductors encased in molded foam. PVC jacket. Terminated with LRCAB's. 1/2-7 m	\$75-175/pr
50-, 100-, or 250-ft spool	\$6/ft

Vampire Wire CC Series II Interconnect

Balanced design with 41-strands copper conductors. Braid and continuous foil shielded. Available in lengths from 0.5-7 m	\$40/pr-\$105/pr
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Vampire Wire CC Series Interconnect

Coaxial design with 20-gauge, 154-strand copper conductor. Braided copper shield. Available in lengths from 0.5-7 meters	\$18/pr-\$60/pr
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Speaker Cable

Model 2100C. 10-gauge wire with 1,050 strands OFC/conductor	\$1.95/ft
Model 826C. 12-gauge wire with 413 strands OFC/conductor	\$0.95/ft
Model 210C. 16-gauge wire with 105 strands OFC/conductor	\$0.55/ft
Baby Bat. 18-gauge wire with 41 strands OFC/conductor	\$0.20/ft
Sound Tube ST. 8-gauge parallel 1,400 strands OFC/conductor, each with nonconductive core. 105° C PVC outer jacket; antioxidant compounds	\$8.95/ft
SC-554. Parallel cable; 277 strands OFC/conductor	\$3.95/ft
SC-384. Flat parallel cable; 192 strands OFC/conductor	\$2.95/ft

VAN DEN HUL

Interconnect Cable

The following are available in 0.5-7 meter pairs.

MC Silver. Coaxial cable featuring crystal-stranded, silver-clad-copper center conductor; tape-wound dielectric; braided and silver-plated-copper ribbon shield	\$1,360-\$11,700
MC Gold. Balanced cable with 2 matched crystal-stranded conductors of silver/gold-clad copper; braided and continuous-foil shield	\$400-\$3,920
Thunder Line. Balanced cable with 2 matched crystal-stranded conductors of silver-clad copper. Braided shield	\$180-\$1,335
D-102 MkIII. Balanced cable with 2 matched crystal-stranded conductors of silver-clad copper. Braided and continuous-foil shield	\$100-\$500
D-300 MkIII. Coaxial design with solid 22-gauge center conductor. Conductors are crystal-stranded and silver-clad copper; braided and continuous-foil shield	\$72-\$245

VECTEUR

CV-50 Speaker Cable. 6 solid-core OFC conductors bound in triples, laid side by side	\$4/ft
CV-30 Speaker Cable. 4 isolated solid-core OFC conductors, spiral wound	\$3/ft
CV-20 Speaker Cable. Spiral wound pair of solid core OFC conductors	\$2/ft

WBT

WBT-0401 Crimpset. Plastic case with crimping tool, screwdriver, and assortment of strand-end sleeves	\$145
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WBT-0440. Crimping tool	\$64
WBT-0410. 50 sleeves, 10 mm	\$21
WBT-0413. 3 x 50 sleeves, 0.5/0.75/1 mm	\$19.50
WBT-0420. 2 x 50 sleeves, 1.5 mm and 2.5 mm	\$19.50
WBT-0460. 50 sleeves, 6 mm	\$19.50
WBT-0425. Starter Kit (5 x 16 strand-end sleeves), 0.5/0.75/1.0/1.5/2.5 mm	\$18
WBT-0424. As above, 3 x 16 sleeves, 4/6/10 mm	\$17
WBT-0440. 50 strand-end sleeves; 40 mm	\$17
WBT-0500 Label Card. Self-adhesive labels for cable and plug identification	\$5

Interconnect Cable

WBT-5151. 1.5 m; WBT-0108 crimping plugs	\$180
WBT-5150. 1.5 m; soldered WBT-0101 plugs	\$175
WBT-5076. 0.75-m cable with WBT-0108 crimping plugs	\$160
WBT-5075. 0.75-m cable with soldered WBT-0101 plugs	\$150
WBT-0735. Pair of fully insulated double-pole terminals for amps or speakers	\$70
WBT-0730. Pair of double-pole terminals for amp or speakers	\$66
WBT-0600. Banana plugs; crimp or solder to sleeveless 2.5-16 mm cables	\$52
WBT-0700. Pair of pole terminals with collet-chucking device for banana plugs	\$52
WBT-0299. Special Mandrel tool for all WBT coaxial sockets with 3-hole counternut	\$30
WBT-0715. Pole-terminal extender for installation of WBT-0700, WBT-0730, or WBT-0735 into speaker output terminals	\$24
WBT-2016. Cinch connector; pure OFC conductor. Per meter	\$16.50
WBT-0721. Terminal block for solderless or crimped cable up to 10 mm in diameter	\$3.75

WESTWOOD GROUP

KM-1 Analog Rainbow Interconnect Cable	
Gold-plated Mogami RCA plugs; hybrid of solid core and stranded OFC in clear jacket. Custom sizes available. 3-ft pr	\$90

YAMAHA

YOX-1100EX. Fiber-optic cable. 1-m pr	\$12
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AAA International
22706 Cheryl Way
El Toro, CA 92630
714-951-0747

AAMP
13160 56th Ct.
Clearwater, FL 34620
813-572-9255

A&S Speakers
3170 23rd St.
San Francisco, CA 94110
415-641-4573

Acclaim Mavrick
16451 Bernardo Center Dr.
San Diego, CA 92128
619-432-6666

Ace Audio
Rd. 3, Box 351
Homer City, PA 15748
412-479-3054

Acoust
613 S. Rockford Dr.
Tempe, AZ 85281
800-366-2349

Acoustic Energy (see **Panor**)

Acoustic Interface
Box 6632
Santa Barbara, CA 93160
805-964-0247

Acoustic Research
330 Turnpike St.
Canton, MA 02021-2703
617-821-2300

Acoustic Sciences
245 Jackson
Eugene, OR 97402
503-343-9727

Acrotec
(see **Edge Marketing**)

Acurus
(see **Mondial Designs**)

Adcom
11 Elkins Rd.
E. Brunswick, NJ 08816
908-390-1130

ADJO
Box 111
Redding Ridge, CT 06876
203-938-2381

a/d/s/
One Progress Way
Wilmington, MA 01887
800-522-4434

Advanced Akustic
7627 Woodside Dr., Ste. 3
Stockton, CA 95207
209-477-5045

Advanced Electrodynamic Systems
860 N. Cypress St.
Orange, CA 92667
714-639-7690

Advanced Sound
711 E. Magnolia Ave.
Knoxville, TN 37917
615-637-6694

Advent (see **Jensen**)

Aerial Acoustics
63 Garden Rd.
Wellesley, MA 02181
617-235-7715

AES
22 Parsons Dr.
Swampscott, MA 01907-2930
617-592-4966

Ai Research
Box 1476
Stillwater, OK 74076
405-624-6722

Airtangent (see **Basis**)

Air Tight
(see **Edge Marketing**)

Aiwa
800 Corporate Dr.
Moonachie, NJ 07430-2048
201-512-3600

AKG Acoustics
1525 Alvarado St.
San Leandro, CA 94577
510-351-3500

Allison
26 Pearl St., Box 15
Bellingham, MA 02019
800-225-4790

Allsop
4201 Meridian St., Box 23
Bellingham, WA 98227
800-426-4303

Altec Lansing
Box 277
Millford, PA 18337-0277
800-548-0620

Alternative Audio Solutions
Box 36359
Cincinnati, OH 45236
513-861-4213

AMC (see **Weltronics**)

American Hybrid Technology
549 Centennial Ave.
Trenton, NJ 08629
609-599-3828

American Recorder Technologies
Box 3592
Simi Valley, CA 93093
805-527-9580

Amrita
Box 770
Fairfield, IA 52556
800-426-7482

Andante (see **Knoll**)

R.B. Annis
1101 N. Delaware St.
Indianapolis, IN 46202
317-637-9282

Anodyne Group
Box 6227
High Point, NC 27262
919-884-7394

Apature
Box 877
Bunnell, FL 32110
904-437-5530

Apogee
35 York Ave.
Randolph, MA 02368
617-963-0124

Aragon
(see **Mondial Designs**)

Arant
Box 192
Marlboro, NH 03455
603-876-4400

Arcam (see **Audio Influx**)

Archer (see **Radio Shack**)

Argent (see **Direct Sound**)

Artech
Box 1980
Champlain, NY 12919
514-631-6448

Atlantic Technology
343 Vanderbilt Ave.
Norwood, MA 02062
617-762-6300

Audience
1848 W. First St.
San Pedro, CA 90732
310-521-0033

Audikron (see **Vidikron**)

Audioaccess
26046 Eden Landing Rd.
Ste. 5
Hayward, CA 94545
415-293-0183

Audio Alchemy (see **Kevro**)

Audio by Van Alstine
2202 River Hills Dr.
Burnsville, MN 55337
612-890-3517

Audio Command Systems
46 Merrick Rd.
Rockville Center, NY 11570
516-766-5185

Audio Concepts
901 S. 4th St.
La Crosse, WI 54601
608-784-4570

AudioControl
22410 70th Ave. W.
Mountlake Terrace, WA 98043
206-775-8461

Audio Design Associates
610 Mamaroneck Ave.
White Plains, NY 10605
914-946-9595

Audio Influx
Box 381
Highland Lakes, NJ 07422
201-764-8958

Audio Innovations
(see **Sounds Like Music**)

AudioIolab (see **Artech**)

Audio Note
(see **Sounds Like Music**)

Audiophile Systems
8709 Castle Park Dr.
Indianapolis, IN 46256
317-849-7103

AudioPrism
Box 1124
Issaquah, WA 98027
206-222-4295

Audio Products International
3641 McNicoll Ave.
Scarborough, Ontario
Canada M1X 1G5
416-321-1800

AudioQuest
Box 3060
San Clemente, CA 92674
714-498-2770

Audio Research
5740 Green Circle Dr.
Minnetonka, MN 55343-4424
612-939-0600

AudioSource
1327 N. Carolan Ave.
Burlingame, CA 94010
415-348-8114

Audiostatic
Box 8
Llvonia, NY 11487
716-262-4317

AudioStream
Box 2410
Niagara Falls, NY 14302
416-632-0180

Audiotech (see **Naim**)

Audio-Technica
1221 Commerce Dr.
Stow, OH 44224
216-686-2600

Audio Technology
Box 68487
Schaumburg, IL 60168
708-240-5113

Audire
9576 El Tambor Ave.
Fountain Valley, CA 92708
714-968-1236

Audix
19439 S.W. 90th Ct.
Tulatin, OR 97062
503-692-4426

Aurora Custom Millwork
Box 31374
Aurora, CO 80041-1374
303-337-1353

Avalon Acoustics
2800-B Wilderness Pl.
Boulder, CO 80301
303-440-0422

Avid
Box 192
Marlboro, NH 03455
603-876-4400

AVS Technologies
2100 Trans Canada Hwy. S.
Montreal, Quebec
Canada H9P 2N4
514-683-1771

Axiom
Hwy. #60
Dwight, Ontario
Canada POA 1H0
705-635-2222

Azden
147 New Hyde Park Rd.
Franklin Square, NY 11010
516-328-7500

Bag End
Box 488
Barrington, IL 60011
708-382-4550

B&K Components
1971 Abbott Rd.
Buffalo, NY 14218
800-543-5252

B&W
Box 653
Buffalo, NY 14240
416-771-6611

Bang & Olufsen
1150 Feehanville Dr.
Mount Prospect, IL 60056
800-284-2264

BASF
Crosby Dr.
Bedford, MA 01730-1471
617-271-4000

Basis
2 Townsend W., Ste. 11A
Nashua, NH 03063
603-889-4776

BBE
5500 Bolsa Ave., Ste. 245
Huntington Beach, CA 92649
714-897-6766

BEAR Labs
Box 144
Hannacroix, NY 12087
518-756-9894

BEL
2530 Berryessa Rd. #126
San Jose, CA 95132
408-259-8648

Bell'Oggetti
711 Ginesi Dr.
Morganville, NJ 07751
908-972-1333

Benjamin
16 Newtown Pl.
Plainview, NY 11803
516-753-0700

Berning
12430 McCrossin Ln.
Potomac, MD 20854
301-926-3371

beyerdynamic
56 Central Ave.
Farmingdale, NY 11735
516-293-3200

BGW Systems
13130 S. Yukon Ave.
Hawthorne, CA 90251
213-973-8090

Bib
10497 Centennial Rd.
Littleton, CO 80127
800-325-0853

D I R E C T O R Y O F M A N U F A C T U R E R S

BIC America
883-E Hampshire Rd.
Stow, OH 44224
216-928-2011

Blakeslee Research
1001 Godella Dr.
Woodside, CA 94062
415-368-4887

BLR
84-03 Cuthbert Rd.
Kew Gardens, NY 11415
718-441-0895

BMB (see **Nikkodo**)

BMI
49-16 Maspeth Ave.
Maspeth, NY 11378
718-381-1303

Bose
The Mountain
Framingham, MA 01701
508-879-7330

Boston Acoustics
70 Broadway
Lynnfield, MA 01940
617-592-9000

Boulder
4850 Sterling Dr.
Boulder, CO 80301
303-449-8220

Bozak
539 Norwich Ave.
Taftville, CT 06380
203-866-1510

Bright Star Audio
2363 Teller Rd. #115
Newbury Park, CA 91320
805-375-2629

Bruce Moore Audio Design
4046 Ashbrook Circle
San Jose, CA 95124
408-377-3580

Bryston
57 Westmore Dr.
Rexdale, Ontario
Canada M9V 3Y6
416-746-0308

Calibration Standard Instruments
Box 2727
Oakland, CA 94602
415-531-8725

California Audio Labs
16812 Gothard St.
Huntington Beach, CA 92647
714-841-1140

Calrad
819 N. Highland Ave.
Los Angeles, CA 90038-3488
213-465-2131

Camber
(see **Plateau Camber**)

Cambridge Audio
(see **Weltronics**)

Cambridge Physics
Mill Complex, Box 192
Marlboro, NH 03455
603-876-4400

Cambridge Soundworks
154 California St.
Newton, MA 02158
800-252-4434

Camelot Technology
30 Snowflake Rd.
Huntingdon Valley, PA 19006
215-357-7858

Canton
915 Washington Ave. S.
Minneapolis, MN 55415-1245
612-333-1150

Cardas Audio
1933 W. 11th St., Ste. F
Upland, CA 91786
714-982-1102

Carrera
(see **Vector Research**)

Carver
Box 1237
Lynnwood, WA 98046
206-775-1202

Cary Audio Design
101-J Woodwinds Industrial Ct.
Cary, NC 27511
919-481-4494

Casio
570 Mt. Pleasant Ave.
Dover, NJ 07801
201-361-5400

Castle
(see **May Audio Marketing**)

CDE
7700 Old Branch Ave.
Ste. C102
Clinton, MD 20735
301-868-7059

Celestion
89 Doug Brown Way
Holliston, MA 01746
508-429-6706

Cello
315 Peck St.
New Haven, CT 06513
203-865-1237

Certron
1545 Sawelle Blvd., Ste. 12
Los Angeles, CA 90025
800-854-3943

Cerwin-Vega
555 E. Easy St.
Simi Valley, CA 93065
805-584-9332

Chapman Sound
Box 140
Vashon, WA 98070
206-463-3008

Chario (see **Edge Marketing**)

Chicago Speaker Stand
4711 W. Armitage
Chicago, IL 60639
312-745-0300

Chord (see **Naim**)

Citizen
2020 Santa Monica Blvd. #410
Santa Monica, CA 90404
213-828-8245

Classé Audio
9414 Cote de Liesse Rd.
Lachine, Quebec
Canada H8T 1A1
514-636-6384

Clements
25 Esna Park Dr.
Markham, Ontario
Canada L3R 1C9
416-474-0909

Clif Designs
1602 Babcock St.
Costa Mesa, CA 92627
714-645-8825

Clif Case (see **Outer Circle**)

Coast
200 Corporate Blvd. S.
Yonkers, NY 10701
914-376-1500

Coby
55-60A 58th St.
Maspeth, NY 11378
718-416-3300

Don J. Cochran
1900 Embarcadero Rd.
Ste. 109
Palo Alto, CA 94303
415-496-1900

Community
333 E. Fifth St.
Chester, PA 19013
215-876-3400

Components Specialties
(see **Speco**)

Conrad-Johnson
2800R Dorr Ave.
Fairfax, VA 22031
703-698-8581

Contour Acoustic Design
(see **O'Sullivan**)

Counterpoint
2281 Las Palmas Dr.
Carlsbad, CA 92009
619-431-5050

Craig
13845 Artesia Blvd.
Cerritos, CA 90701
213-926-9944

Creative Point
4045 Clipper Ct.
Fremont, CA 94538
510-659-8222

Creek (see **Music Hall**)

Crest
100 Eisenhower Dr.
Paramus, NJ 07652
201-909-8700

Crown International
Box 1000
Elkhart, IN 46515-1000
219-294-8000

Custom Woodwork & Design
180 E. North St.
Bradley, IL 60915
800-323-2159

Dahlquist
601 Old Willets Path
Hauppauge, NY 11788
516-234-5757

Leslie Dame
111-20 73rd Ave.
Forest Hills, NY 11375
718-261-4919

Dana Audio
Box 1
Austin, TX 78767
512-251-7701

Dantax
(see **Nordost Marketing**)

D'Ascanio Audio
11450 Overseas Hwy.
Marathon, FL 33050
305-743-7130

Datawave
16259 Stagg St.
Van Nuys, CA 91406
818-908-9283

David Levy
12753 Moore St.
Cerritos, CA 90701
310-404-9998

Davidson-Whitehall
555 Whitehall St.
Atlanta, GA 30303
800-848-9811

Day Sequerra
330 Turnpike St.
Canton, MA 02021
617-821-2313

DB Systems
Main St., Box 460
Rindge Center, NH 03461
603-899-5121

DCM
670 Airport Blvd.
Ann Arbor, MI 48108
313-994-8481

DeCoursey
11828 W. Jefferson Blvd.
Culver City, CA 90230
310-397-9668

Definitive Technology
11105 Valley Heights Dr.
Baltimore, MD 21117
301-363-7148

Dennesen
715 Hale St.
Beverly, MA 01915
508-927-2521

Denon
222 New Road
Parsippany, NJ 07054
201-575-7810

Denonet (see **Zenasia**)

Design Acoustics
(see **Audio-Technica**)

Desktop
Box 3340, Rosedale Station
Kansas City, KS 66103
816-531-6722

DIC
222 Bridge Plaza S.
Fort Lee, NJ 07024
201-224-9344

Digital Phase
2841 Hickory Valley Rd.
Chatanooga, TN 37421
615-894-5075

Direct Sound
150 Fifth Ave., Ste. 842
New York, NY 10011-4311
212-691-9050

Discwasher (see **Recoton**)

DLC
(see **David Levy**)

DSS
441 Borrego Ct.
San Dimas, CA 91773
800-321-5501

Dual (see **Euro-Tech**)

D.W. Electrochemicals
97 Newkirk Rd. N.
Richmond Hill, Ontario
Canada L4C 3G4
416-508-7500

Dynaco (see **Panor**)

Dynavector (see **Muse**)

Dysan
Box 361510
Milpitas, CA 95036
408-957-6200

Edge Marketing
611-B Santa Clara Ave.
Venice, CA 90291
310-392-2927

Electronic Specialists
171 S. Main St.
Natick, MA 01760
508-655-1532

Electronic Visionary Systems
2600 Carisbrook Dr.
Oakland, CA 94611
510-530-1438

Eminent Technology
225 E. Palmer St.
Tallahassee, FL 32301
904-575-5655

Encore
14818 Goodman
Overland Park, KS 66223
913-897-7766

Energy (see **Audio Products International**)

EPI
240 Crossways Park W.
Woodbury, NY 11797
516-496-3400

Epik Monitor Systems
1720 Lilac Dr.
Walnut Creek, CA 94595
510-930-9104

Epoch (see Stanton)

Epos (see Music Hall)

Esoteric (see Teac)

Esoteric Audio
RR3, Box 262
Winder, GA 30680
404-867-6300

Esoteric Sound
4813 Wallbank Ave.
Downers Grove, IL 60515
708-960-9137

ESS
11415 Folsom Blvd.
Rancho Cordova, CA 95742
916-852-0906

Essence
805 M St.
Lincoln, NE 68508
402-477-0600

EuroSon
694 Ft. Salonga Rd.
Northport, NY 11768
516-261-7700

Euro-Tech
19 W. 44th St., Ste. 1010
New York, NY 10036
212-840-1976

Eurotek
Brandon South, Box 20004
Brandon, Manitoba
Canada R7A 6X8
204-727-5316

Expressive Technologies
Box 6401
Holliston, MA 01746
508-429-8911

Final Design
3301 El Camino Real
Ste. 270
Atherton, CA 94027-3844
415-365-0673

Finyl (see Transparent)

Fisher (see Sanyo)

FMS
319 A Street
Boston, MA 02210
617-542-8161

Focus
120 S. Patterson Blvd.
Dayton, OH 45402
513-222-3946

Forté (see Threshold)

Fosgate-Audionics
Box 70
Heber City, UT 84032
801-654-4046

Fox
2200-F Zanker Rd.
San Jose, CA 95131
800-229-7892

Fried
1304 Conshohocken Rd.
Conshohocken, PA 19428
215-277-9004

Fuji
555 Taxter Rd.
Elmsford, NY 10523
914-789-8100

Genesis
953 S. Frontage Rd. W.
Ste. 106
Vail, CO 81657
303-476-3012

Geneva
9909 South Shore Dr.
Plymouth, MN 55441
612-546-5620

Geodes (see Amrita)

GNP
1254 E. Colorado Blvd.
Pasadena, CA 91106
818-577-7767

Goldmund (see International Audio Technologies)

Goldring (see Music Hall)

Gold Sound
Box 141
Englewood, CO 80151
303-789-5310

Goldstar
1000 Sylvan Ave.
Englewood Cliffs, NJ 07632
201-816-2000

GPX
108 Madison St.
St Louis, MO 63102
800-800-7749

Grado Laboratories
4614 7th Ave.
Brooklyn, NY 11220
718-435-5340

Graham Engineering
1 Baron Pk. #33
Burlington, MA 01803
617-270-0094

Greencorp
1015 W. Newport Ctr. Dr.
#105
Deerfield Beach, FL 33442
800-972-0707

Guss Enterprises
215 W. 92nd St.
New York, NY 10025
212-580-7401

Hafler
613 S. Rockford Dr.
Tempe, AZ 85281
800-366-2349

Hales Audio
700 Harvest Park Dr., Ste. H
Brentwood, CA 94513
510-516-7003

Harman Kardon
8380 Balboa Blvd.
Northridge, CA 91325
818-893-9992

Harrison Labs
Box 1349
Parker, CO 80134
303-841-5360

Hartley
5732 Oleander Dr.
Wilmington, NC 28406
919-392-0500

Heco (see EuroSon)

Heybrook
(see D'Ascanio Audio)

Hill Acoustic Research
1275 Bennett Rd., Ste. 103
Longwood, FL 32750
407-831-4469

Hills Products
Box 1015
Hillsboro, NH 03244
603-464-3999

Home Theater Products
1950 E. Orangethorpe Ave.
Fullerton, CA 92631
714 526-0711

Hsu Research
20013 Rainbow Way
Cerritos, CA 90701
800-554-0150

HTG
(see Music & Sound Imports)

Hughes
Box 7000
Rancho Santa Margarita, CA
92688
800-243-2733

Human (see LRS Electronics)

Icon Acoustics
13 Fortune Dr.
Billerica, MA 01821
800-669-9662

Illbruck
3800 Washington Ave. N.
Minneapolis, MN 55412
612-521-3555

Impact (see Ai Research)

Infinity
9409 Owensmouth Ave.
Chatsworth, CA 91311
818-407-0228

Inouye (see Artech)

International Audio Technologies
13897 Willard Rd., Ste. J
Chantilly, VA 22021
703-378-1515

International Components
105 Maxess Rd.
Melville, NY 11747
516-293-1500

Intraclean (see American Recorder Technologies)

Intrinsic Power Systems
(see Esoteric Audio)

Island
49 Cedar Swamp Rd.
Glen Cove, NY 11542
516-676-7748

Itone
3429 Morningside Dr.
El Sobrante, CA 94803
415-222-4276

Jackson
4524 N. 35th Pl.
Phoenix, AZ 85018
602-956-7473

J.A. Michell (see Artech)

Jamo
425 Huehl Rd., Bldg. 8
Northbrook, IL 60062
708-498-4648

Jasco
311 N. W. 122nd St.
Oklahoma City, OK 73114
800-654-8483

JBL
240 Crossways Park W.
Woodbury, NY 11797
516-496-3400

JCB
7239 Valley St.
Dalton Gardens, ID 83814
208-772-9207

Jecklin
(see May Audio Marketing)

Jeff Rowland
Box 7231
Colorado Springs, CO 80933
719-473-1181

Jensen
25 Tri-State Intl. Office Ctr.
Lincolnshire, IL 60069
800-323-0707

Joseph Audio
2 Pine Ridge Rd.
White Plains, NY 10603
914-347-7917

Joseph Grado Signature
921 Tice Pl.
Westfield, NJ 07090
908-233-5893

JPW (see Audiophile Systems)

JRM
3716 Broadway N.E.
Knoxville, TN 37917-3120
615-688-6501

JS Audio
643 Speedwell Ave.
Morris Plains, NJ 07950
201-292-2799

JVC
41 Slater Dr.
Elmwood Park, NJ 07407
201-794-3900

KBA
256 Commercial Dr., Ste. 471
Peachtree City, GA 30269
404-487-5887

KEF
1701 Touchstone Rd.
Colonial Heights, VA 23834
804-520-7200

Kenwood
Box 22745
Long Beach, CA 90801-5745
213-639-9000

Kevro
Box 1355
Buffalo, NY 14205
416-428-2800

Kimber Kable
2752 S. 1900 West
Ogden, UT 84401
800-223-4039

Kinergetics
Box 4839
Chatsworth, CA 91313-4839
213-582-9349

Kinetic Audio
Box 215
Arlington Heights, IL 60006
312-625-9322

KLH
11131 Dora St., Box 1085
Sun Valley, CA 91352
213-875-0480

Klipsch
Box 688
Hope, AR 71801
501-777-6751

Klyne Audio Arts
828 7th Ave. S.E.
Olympia, WA 98501
206-943-5420

Knoll
#123-11860 Hammersmith
Richmond, British Columbia
Canada V7A 5G1
604-272-4555

Koetsu
712 S. Military Trail
Deerfield, FL 33442
305-698-6102

Kort
3646 Lyndale Ave. N.
Minneapolis, MN 55412-2163
612-522-0340

Koss
4129 N. Port Washington Ave.
Milwaukee, WI 53212
414-964-5000

Krell
35 Higgins Dr.
Milford, CT 06460
203-874-3139

Lancer
12340 McCann Dr.
Santa Fe Springs, CA 90670
310-941-3509

D I R E C T O R Y O F M A N U F A C T U R E R S

Lantana
Box 1958
Garden Grove, CA 92642-1958
714-530-4993

Laserline (see **Creative Point**)

Lasonic
1827 W. Valley Blvd.
Alhambra, CA 91803
818-281-3957

Last Factory
2015 Research Dr.
Livermore, CA 94550
510-449-9449

Lazarus
8130 Coldwater Canyon
N. Hollywood, CA 91605
818-982-6477

Lebo
33 West St.
Bloomfield, NJ 07003
201-429-8600

Lenbrook
633 Granite Ct.
Pickering, Ontario
Canada L1W 3K1
416-831-6333

Lexicon
100 Beaver St.
Waltham, MA 02154
617-736-0300

Lift Display
115 River Rd.
Edgewater, NJ 07020
800-543-8269

Linaeum
1238 N.W. Glisan, Ste. 404
Portland, OR 97209
503-222-5138

Linn
(see **Audiophile Systems**)

Lloyd's
6500 W. Cortland St.
Chicago, IL 60635
312-889-0319

Loran
2715 Pennsylvania Ave. W.
Warren, PA 16365
800-633-0455

LRS Electronics
7 Kelsey Rd.
Lee, NH 03824
603-659-5335

Luxman
19145 Gramercy Pl.
Torrance, CA 90501
310-326-8000

Lynn's Corporation
1195 Mahalo Pl.
Compton, CA 90220
310-635-8878

Madison Fielding
200 William St.
Port Chester, NY 10573
914-939-4600

Madrigal
Box 781, 2081 S. Main St.
Middletown, CT 06457
203-346-0896

Per Madsen
Box 330101
San Francisco, CA 94133
415-928-4509

Magnavox (see **Philips**)

Magnepan
1645 Ninth St.
White Bear Lake, MN 55110
612-426-1645

Magnum Dynalab
6509 Transit Rd., H-1
Bowmansville, NY 14026
716-684-0460

Magtone
(see **Lynn's Corporation**)

M&C Speakerworks
Box 151082
San Diego, CA 92175
619-281-6463

M&K (see **Miller & Kreisel**)

Marantz
1150 Feehanville Dr.
Mount Prospect, IL 60056
708-299-4000

Marchand
1334 Robin Hood Ln.
Webster, NY 14580
716-265-4930

Mark Levinson (see **Madrigal**)

John Marovskis
2889 Roebling Ave.
Bronx, NY 10461
212-892-7419

Marshall
Box 2027, Culver City, CA 90230
213-390-6608

Martin-Logan
2001 Delaware St.
Lawrence, KS 66046
913-749-0133

Maston
6416 Via Amigos
San Jose, CA 95120
408-268-8209

Maxell
22-08 Route 208 S.
Fair Lawn, NJ 07410
201-794-5900

May Audio Marketing
Box 1048, 76 Main St.
Champlain, NY 12919
518-298-4434

MB Quart
25 Walpole Park S.
Walpole, MA 02081
508-668-8973

McIntosh
2 Chambers St.
Binghamton, NY 13903-2699
607-723-3512

McNeill (see **Tri-State Loudspeaker**)

Melody Audio
1940 Blake St., Ste. 101
Denver, CO 80202
303-295-3100

Melos
723 Bound Brook Rd.
Dunellen, NJ 08812
908-968-4748

Memorex
Box 901021
Fort Worth, TX 76101
817-878-6700

Meridian (see **KEF**)

Merlin
Box 146
Hemlock, NY 14466
716-262-4310

Merrill Audio
2125 Central Ave.
Memphis, TN 38104
901-272-1410

Meta Research (see **International Audio Technologies**)

MFA Pure Tube
2518 Seaboard Ave.
San Jose, CA 95131
408-954-8787

Middle Atlantic
8 N. Corporate Dr.
Riverdale, NJ 07457
201-839-1011

Miller & Kreisel
10391 Jefferson Blvd.
Culver City, CA 90232
213-204-2854

Mirage (see **Audio Products International**)

Mirror Image Audio
651 Charlesgate Circle
E. Amherst, NY 14051
716-688-2988

Mission
400 Matheson Blvd. E. #31
Mississauga, Ontario
Canada L4Z 1R5
416-507-0777

Mitsubishi
5757 Plaza Dr., Box 6007
Cypress, CA 90630-0007
714-220-2500

Mobile Fidelity
105 Morris St.
Sebastopol, CA 95472
800-423-5759

Modern Audio Consultants
112 Swanhill Ct.
Baltimore, MD 21208
410-486-5975

Mod Squad
542 N. Highway 101
Leucadia, CA 92024-0965
619-436-7666

Mogami (see **Marshall**)

Monarchy Audio
380 Swift Ave., Unit 21
S. San Francisco, CA 94080
415-873-3055

Mondial Designs
2 Elm St., Ardsley, NY 10502
914-693-8008

Monitor Audio (see **Kevro**)

Monster Cable
274 Wattis Way
S. San Francisco, CA 94080
415-871-6000

Mordaunt-Short (see **TGI**)

Morel
414 Harvard St.
Brookline, MA 02146
617-277-6663

Motif (see **Conrad-Johnson**)

MSB Technology
Box 141
Moss Beach, CA 94038
415-728-5265

MTX
555 W. Lamm Rd.
Freeport, IL 61032
800-225-5689

MTX Soundcraftsmen
2200 S. Ritchey St.
Santa Ana, CA 92705
714-556-6191

Muse
Box 2198
Garden Grove, CA 92642
714-554-8200

Museatex
1829 54th St. S.E.
Calgary, Alberta
Canada T2B 1N5
403-273-2552

Musical Concepts
1832 Borman Ct. #1
St. Louis, MO 63146
314-275-4925

Musical Design (see **Musical Concepts**)

Music & Sound Imports
2381 Philmont Ave., Ste. 117
Huntingdon Valley, PA 19006
215-938-7671

Music Hall
108 Station Rd.
Great Neck, NY 11023
516-487-3663

NAD (see **Lenbrook**)

Nady
6701 Bay St.
Emeryville, CA 94608
510-652-2411

Naim
1748 N. Sedgwick St.
Chicago, IL 60614
312-944-0217

Nakamichi
19701 S. Vermont Ave.
Torrance, CA 90502
213-538-8150

NEAR
679 Lisbon Rd.
Lisbon Falls, ME 04252
207-353-7307

Nestorovic Labs
8307 N.E. 110 Pl.
Kirkland, WA 98034
206-821-0225

NHT
537 Stone Rd., Ste. E
Benicia, CA 94510
800-648-9993

Nikko
(see **AVS Technologies**)

Nikkodo
4600 N. Santa Anita Ave.
El Monte, CA 91731
818-350-3131

Niles
12331 S.W. 130th St.
Miami, FL 33186
305-238-4373

Nippon
210 Hanse Ave.
Freeport, NY 11520
516-623-7400

Nordost Marketing
420 Franklin St.
Framingham, MA 01701
508-879-1242

Norman Laboratories
1905 Atchison Dr.
Norman, OK 73069
405-321-3205

NRG
Box 389
Walled Lake, MI 48390

NSM (see **EuroSon**)

OCM Technology
(see **Magnum Dynalab**)

Octave Research
183-08 Camden Ave.
St. Albans, NY 11412
718-454-5739

Ohm Acoustics
241 Taaffe Pl.
Brooklyn, NY 11205
718-783-1111

Omni Sound
19020 Preston Rd.
Dallas, TX 75252-2445
214-964-6664

Onkyo
200 Williams Dr.
Ramsey, NJ 07446
201-825-7950

Operations International
Box 670234
Dallas, TX 75367-0234
214-350-7782

Optimus (see **Radio Shack**)

Ora
9410 Owensmouth Ave.
Chatsworth, CA 91311
818-772-2700

Oracle
Box 394
Edmundston, New Brunswick
Canada E3V 3L1
506-735-1080

Otford
122 Dupont St.
Plainview, NY 11803
516-349-9180

O'Sullivan
1900 Gulf St.
Lamar, MO 64759
417-682-3322

Otari
378 Vintage Park Dr.
Foster City, CA 94404
415-341-5900

Otvos Industries
R.R. 4
Brighton, Ontario
Canada K0K 1H0
613-475-3633

Outer Circle
860 West Evergreen
Chicago, IL 60622
312-266-8820

Owi
1160 Mahalo Pl.
Compton, CA 90220
800-638-1694

Pacific (see **Knoll**)

Packburn
Box 335, DeWitt, NY 13214
315-472-5644

Panasonic
One Panasonic Way
Secaucus, NJ 07094
201-348-7000

Pano
125 Cabot Ct.
Hauppauge, NY 11788
516-434-1200

Paradigm (see **AudioStream**)

Paramount Pictures (see
Home Theater Products)

Parasound
950 Battery St.
San Francisco, CA 94111
800-822-8802

Parsec (see **Recoton**)

Pegasus
(see **The Speaker Factory**)

Perfectionist Audio
32 Church St.
Malverne, NY 11565
516-887-6009

Period (see **O'Sullivan**)

Pfanstiehl
3300 Washington St.
Waukegan, IL 60085
800-323-9446

Pfantone (see **Pfanstiehl**)

Phase Technology
6400 Youngerman Circle
Jacksonville, FL 32244
904-777-0700

Philips
1 Phillips Dr., Box 14810
Knoxville, TN 37914-1810
615-521-4316

Phyzics
2680 Post Oak Ct. N.E.
Marietta, GA 30062
404-977-5289

Pickering
101 Sunnyside Blvd.
Plainview, NY 11803
516-349-0200

Pink Triangle (see **Pro Audio**)

Pinnacle
255 Executive Dr.
Plainview, NY 11803
516-576-9052

Pioneer
2265 E. 220th St.
Long Beach, CA 90810
800-421-1404

Pivotelli
25 Commercial St., Box 560
Medford, MA 02155
800-548-5040

Plateau Cumber
3700 Griffith #306
St. Laurent, Quebec
Canada H4T 1A7
514-738-3225

Pointsource
Box 788
Whiting, IN 46394
219-659-0450

Polk
5601 Metro Dr.
Baltimore, MD 21215
301-358-3600

Polydax
10 Upton Dr.
Wilmington, MA 01887
508-658-0700

Portland Instruments
6120 San Fernando Rd.
Glendale, CA 91201
818-500-0137

Posh
7865 N.E. Day Rd. W.
Building C
Bainbridge Island, WA 98110
800-841-8501

Posso/Savoy
175 Ward Hill Ave.
Haverhill, MA 01835
800-343-8140

Premier (see **AudioStream**)

Prisma (see **Artech**)

ProAc (see **Modern Audio
Consultants**)

Pro Audio
111 South Dr.
Barrington, IL 60010
708-526-1660

Proceed (see **Madrigal**)

Prodigy
4337 Lindberg
Addison, TX 75244
214-306-4457

Professional Technologies
Box 282A, Rd. #1
Rome, NY 13440
315-337-4156

Progressive Design
310 County Line Rd.
Bensenville, IL 60106
708-860-2130

Proton

5630 Cerritos Ave.
Cypress, CA 90630
714-952-6900

PS Audio

Box 1119
Grover City, CA 93483
805-481-4844

PSB (see **Lenbrook**)

PSE
9755 Hamilton Rd.
Eden Prairie, MN 55344-3424
612-943-1677

Psycho Acoustics
10132 Mammoth Dr.
Baton Rouge, LA 70814
800-262-2402

QED
(see **May Audio Marketing**)

QSC
1675 MacArthur Blvd.
Costa Mesa, CA 92626-1468
714-754-6175

Quad (see **Pro Audio**)

Quadral (see **Eurotek**)

Quanta
(see **The Speaker Factory**)

Quasar
1707 N. Randall Rd.
Elgin, IL 60123-7847
708-468-5600

Quicksilver
4119 Coronado
Stockton, CA 95204
209-462-7711

Radio Shack
700 One Tandy Ctr.
Fort Worth, TX 76102
817-390-3011

Rainbow Rax
2704 Manhattan Ave., Ste. A
Manhattan Beach, CA 90266
310-545-2100

Rane
10802 47th Ave. W.
Mukilteo, WA 98275-5098
206-355-6000

Realistic (see **Radio Shack**)

Recoton
46-23 Crane St.
Long Island City, NY 11101
800-223-6009

Reel to Real Designs
3021 Sangamon Ave.
Springfield, IL 62702
800-283-4644

Revolver (see **Music Hall**)

Revox
1425 Elm Hill Pike
Nashville, TN 37210
615-254-5651

R.F. Engineering
9215 Lowell Blvd.
Westminster, CO 80030
303-430-8281

Rogers (see **Audio Influx**)

RoomTune
Box 57
Sugarcreek, OH 44681
216-852-2222

Rossman
597 W. Hillside Ave.
State College, PA 16803
814-234-2044

Rotel
Box 653
Buffalo, NY 14240
416-771-6610

Russound/FMP
5 Forbes Rd.
Newmarket, NH 03857
603-659-5170

Samsung
301 Mayhill St.
Saddle Brook, NJ 07662
201-229-4000

Sansui
1290 Wall St. W.
Lyndhurst, NJ 07071
201-460-9710

Sanus Systems
2885 Country Dr.
Little Canada, MN 55117
612-482-1019

Sanyo
21350 Lassen St.
Chatsworth, CA 91311-2329
818-998-7322

Savard
(see **Psycho Acoustics**)

Scientific Fidelity
603 Riggs Pl.
Los Angeles, CA 90045
213-641-5443

Scotch
Box 33600
St. Paul, MN 55133-3600
800-343-8077

Sennet
Box 1630, Old Milford Rd.
Milford, PA 18337-2630
800-648-6663

Sennheiser
6 Vista Dr., Box 987
Old Lyme, CT 06371
203-434-9190

Sentry
252C Lake Ave.
Yonkers, NY 10701
914-968-0180

Sequerra Associates
792 Pacific St.
Stamford, CT 06902
203-325-1791

Sescom
2100 Ward Dr.
Henderson, NV 89015
702-565-3400

Shahinian
33 A&B Cedarhurst Ave.
Medford, NY 11763
516-736-0033

Sharp
Sharp Plaza
Mahwah, NJ 07430-2135
201-529-8200

Sherwood
14830 Alondra Blvd.
La Mirada, CA 90638
800-962-3203

Shure
222 Hartrey Ave.
Evanston, IL 60202
800-257-4873

Signet
4701 Hudson Dr.
Stow, OH 44224
216-688-9400

Siltech (see **SOTA**)

SimplyPhysics
13158 Veterans Memorial Dr.
Houston, TX 77014
713-537-5083

Singer
200 Metroplex Dr.
Edison, NJ 08818
201-287-0707

Sitting Duck Software
Box 130
Veneta, OR 97487
503-935-3982

Snell Acoustics
143 Essex St.
Haverhill, MA 01832
508-373-6114

Snell Digital
(see **Snell Acoustics**)

Snell Multimedia
(see **Snell Acoustics**)

Sonance
961 Calle Negocio
San Clemente, CA 92672
800-582-7777

Sonetic (see **QSC**)

Sonex (see **Illbruck**)

Sonic Studios
1094 Elk Ridge Rd.
Reedsport, OR 97467
503-599-2217

Sonographe
(see **Conrad-Johnson**)

Sonrise
110 E. 43rd St.
Boise, ID 83714
800-231-8663

D I R E C T O R Y O F M A N U F A C T U R E R S

Sony
One Sony Dr.
Park Ridge, NJ 07656
201-930-7669

Sorice
Box 747
Nuttley, NJ 07110
800-432-8005

SOTA
1318-B Marquette Dr.
Romeoville, IL 60441
800-772-7682

Sound Advance
3202 S. Shannon St.
Santa Ana, CA 92704-6353
800-892-9002

Sound Concepts
27 Newell Rd.
Brookline, MA 02146
619-566-0110

Sound Connections
203 Flagship Dr.
Lutz, FL 33549
813-948-2707

Sound Dynamics (see **Audio Products International**)

Sound Engineering
Box 12538
Rochester, NY 14612

Sound Interiors
17 W. 438 22nd St.
Oakbrook Terrace, IL 60181
708-782-5050

Sound-Lab
6451 Mountain View Dr.
Park City, UT 84060
801-649-0172

Sound Quest
Box 940
N. Chicago, IL 60064
800-457-4579

Sounds Like Music
259 N. Capitol Ave. #113
San Jose, CA 95127
408-258-3023

Soundsmith
5058 El Cajon Blvd., Ste. A
San Diego, CA 92115
619-286-8430

Soundstream
120 Blue Ravine Rd.
Folsom, CA 95630
916-351-1288

Soundwave
(see **Vero Research**)

The Speaker Factory
9141/9145 Arbuckle Dr.
Gaithersburg, MD 20877
301-840-0747

Speakerlab
6307 Roosevelt Way N.E.
Seattle, WA 98115-6616
206-523-2269

Specialty Sound Platforms
424 Burt Circle
Lewiston, NY 14092
716-754-4692

Speco
1172 Rte. 109, Box 624
Lindenhurst, NY 11757
516-957-8700

SpectraScan
1110A Elkton Dr.
Colorado Springs, CO 80907
719-599-9254

Spica
3425 Bryn Mawr N.E.
Albuquerque, NM 87107
505-883-6120

Standesign
(see **Melody Audio**)

Stanton
101 Sunnyside Blvd.
Plainview, NY 11803
516-349-0235

Stax
16920 Halldale Ave.
Gardena, CA 90247
310-538-5878

Stinger (see **AAMP**)

Straight Wire
1909 Harrison St. #208
Hollywood, FL 33020
305-925-2470

Stuart-Townsend-Carr
Box 373
Limington, ME 04049
800-637-2344

Sumiko
Box 5046
Berkeley, CA 94705
510-843-4500

Sumo
9829 Independence Ave.
Chatsworth, CA 91311
818-718-8381

Superior Audio
Box 299
Hancock, MI 49930
800-332-8346

Superphon
225 Oakes South West
Grand Rapids, MI 49503
616-451-3527

Symdex
Box 359
Gloucester, MA 01931-0359
508-281-1115

Symetrix
4211 24th Ave. W.
Seattle, WA 98199
206-282-2555

Synthesis
(see **Conrad-Johnson**)

Taddeo
2604 Elmwood Ave., Ste. 105
Rochester, NY 14618
716-244-6027

Tannoy (see **TGI**)

Tara Labs
2567 Siskiyou Blvd.
Ashland, OR 97520
503-488-6465

TC Audio
Box 59
Thurston, OR 97482
503-726-2027

TDK
12 Harbor Park Dr.
Port Washington, NY 11050
516-625-0100

TDL
1305 Court St.
Saginaw, MI 48602
517-792-3948

TEAC
7733 Telegraph Rd.
Montebello, CA 90640
213-726-0303

Technics (see **Panasonic**)

Tenderfeet (see **Artech**)

Terk
233-8 Robblins Ln.
Syosset, NY 11791
516-942-5000

Terpsichore
Route 24
Chester, NJ 07930
201-879-6889

TGI
300 Gage Ave., Unit 1
Kitchener, Ontario
Canada N2M 2C8
519-745-1158

Theta Digital
5330 Derry Ave. #R
Agoura Hills, CA 91301
818-597-9195

Thiel
1026 Nandino Blvd.
Lexington, KY 40511
606-254-9427

Thorens (see **BLR**)

3M Black Watch
One Appletree Sq., Ste. 1031
Bloomington, MN 55425
612-854-0845

Threshold
7325 Roseville Rd.
Sacramento, CA 95842
916-348-0600

Tiffany
210 E. 86th St.
New York, NY 10028
212-570-5780

Transparent
Rt. 202, Box 117
Hollis, ME 04042
207-929-4553

Tree Dimensions
Box 609
Boone, NC 28607
704-262-0220

Triad
9106 N.E. Marx Dr.
Portland, OR 97220
503-256-2600

Tri-State Loudspeaker
650 Franklin Ave.
Aliquippa, PA 15001
412-375-9203

Uher of America
7067 Vineland Ave.
North Hollywood, CA 91605
818-764-1120

Unity Audio
27751 E. California Rd.
Lathrup Village, MI 48076
313-559-6662

VAC
Box 4609
Sarasota, FL 34230
813-377-7884

Vacuum Tube Logic
4774 Murietta St., Units 9&10
Chino, CA 91710
714-627-5944

Vampire Wire
(see **Sound Connections**)

van den Hul
(see **Sound Connections**)

Vandersteen
116 W. 4th St.
Hanford, CA 90230
209-582-0324

Vecteur (see **Polydax**)

Vector Research
1230 Calle Suerte
Camarillo, CA 93012
805-987-1312

Velodyne
1070 Commercial St., Ste. 101
San Jose, CA 95112
408-436-7270

Venturi (see **BIC America**)

Vero Research
274 N. Goodman St.
Rochester, NY 14607
716-271-7930

Video Link
12950 Bradley Ave.
Sylmar, CA 91342
800-843-5465

Vidicraft
8770 S.W. Nimbus Ave.
Beaverton, OR 97005
503-626-1918

Vidikron
150 Bay St.
Jersey City, NJ 07302
201-420-6666

VMPS (see **Itone**)

Vortex
Box 1316
Guasti, CA 91743
800-437-8678

Voyd (see **Modern Audio Consultants**)

VPI
77 Cliffwood Ave. #3B
Cliffwood, NJ 07721
908-946-8606

Wadia Digital
511 Second St.
Hudson, WI 54016
715-386-8100

Wall Sound (see **AAMP**)

Waterworks Acoustics
3365 Fernside Blvd.
Alameda, CA 94501
510-522-0374

Wavefront Acoustics
18012 E. Loyola Pl.
Aurora, CO 80013
800-676-7058

WBT
(see **May Audio Marketing**)

Well Tempered
(see **Transparent**)

Weltronics
1414 S. Fair Oaks Ave., Ste. 7
S. Pasadena, CA 91030
818-799-6396

Westlake Audio
2696 Lavery Ct. #18
Newbury Park, CA 91320
805-499-3686

Westwood Group
1115 Inman Ave., Ste. 330
Edison, NJ 08820
908-548-6700

Wharfedale
(see **Melody Audio**)

Wheaton Music
11230 Grandview Ave.
Wheaton, MD 20902
301-949-1262

Wilson Audio
2233 Mountain Vista Ln.
Provo, UT 84606
801-377-2233

Wolcott
2250 N. Bigelow Ave.
Simi Valley, CA 93065
805-527-8842

Woodside/Radford
(see **Pro Audio**)

Wood-Tech (see **Operations International**)

Wright Audio
29 N. Main St.
Lexington, VA 24450
703-464-1100

Yamaha
Box 6660
Buena Park, CA 90622
800-492-6242

Yankee
Box 1575
Fallbrook, CA 92028
619-728-4488

Zenasia
1210 E. 223rd St. #309
Carson, CA 90745
800-336-6638

AC (alternating current): The current available from the power outlets in American homes; it alternates direction sixty times a second.

acoustic-suspension: A type of infinite-baffle speaker that uses the air pressure inside a sealed speaker box to control driver motion.

active crossover: An electronic component that divides the signal from a source component into frequency bands (low, mid, and/or high) before the signal is amplified.

adjacent-channel selectivity (adj-ch sel): A measurement of how well a tuner rejects the signal from stations on either side of the tuned station; higher figures are better.

alternate-channel selectivity (alt-ch sel): A measurement of how well a tuner rejects the signal from stations two channels away from the tuned station; higher figures are better.

AM (amplitude modulation): A technique commonly used in radio that conveys information by varying the strength of a high-frequency "carrier" signal.

ambience: The acoustical character of a listening space, largely determined by its size, shape, and the degree of reverberation. Some digital signal processors can synthesize ambience environments.

ampere (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 must be connected to a preamplifier (or "control amplifier") to switch and process the sound. An integrated amplifier combines power-amplifier and preamplifier functions in the same unit; a receiver adds a tuner to that configuration.

AM rejection (AM rej): A measurement of a tuner's ability to suppress changes in an FM signal's amplitude caused by multipath and other types of interference; higher figures are better.

analog: A type of audio component or recording medium that operates with signals whose waveforms are directly analogous to the sounds they represent; see *digital*.

ATRAC (Adaptive Transform Acoustic Coding): The low-bit-rate digital coding process used in the new MD format; using psychoacoustic modeling, the system encodes only audible audio components and discards those that are masked or inaudible.

attenuate: To decrease the amplitude, or level, of a signal.

autoreverse: A feature of some cassette decks that enables them to play or record both sides of a cassette without the user having to turn it over manually.

AUX (auxiliary): An input jack found on some receivers, integrated amplifiers, and preamplifiers that can be used to connect line-level source components.

azimuth: The angle between the magnetic gap of a tape head and the edge of the audio tape. Although the azimuth angle is theoretically set at

90 degrees, azimuth often varies from one tape deck to another.

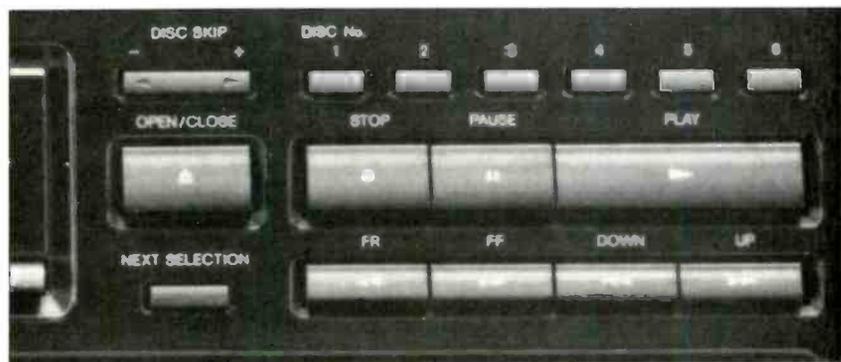
balance: A control found on most receivers, integrated amplifiers, and preamplifiers that changes the relative volume of the left and right channels.

balanced line: A noise-limiting audio transmission technique in which the signal is not carried by the audio cable's shield.

band: A particular segment of a frequency spectrum. For example, a graphic equalizer may divide the audio frequency spectrum into ten bands, with one control to adjust the relative volume of each individual band.

band-pass enclosure: A dual-chamber design for subwoofers that creates an acoustical pass-band, minimizing the need for a low-pass filter.

band-pass filter: A crossover circuit that combines a low-pass and high-pass filter to create a pass-band.



bandwidth: A range of frequencies.

bass reflex: A type of speaker system that has an opening, called a vent or port, in its enclosure so that the sounds produced by the backward motion of the woofer(s) reinforces those produced by its forward motion.

Bessel: A type of crossover filter known for its excellent phase characteristics.

bias: A very high-frequency signal added to an audio signal being recorded on tape to reduce distortion.

bipolar transistor: A cost-effective transistor that is generally efficient and accurate as long as proper protection circuitry is utilized.

bright: A subjective term used to describe sound that has a lot of treble.

Butterworth filter: A type of filter—designed in accordance with the so-called "Butterworth polynomials"—known for its flat response curve.

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 measurement of how well a tuner rejects the weaker station's signal when two stations are broadcast at the same frequency. A typical spec is 3 dB; lower figures are better.

cartridge (phono cartridge): A small component mounted on the end of the tonearm in a turntable; it holds the stylus, which vibrates in the record groove. The cartridge converts the vibrations into a changing electrical voltage, or audio signal.

cassette deck: An analog component that uses standard-size audio cassettes for recording and playback; also known as a tape deck. Audio signals are recorded onto, or played back from, the magnetic tape contained in the cassette; see *heads*.

CD (compact disc): A 4.8-inch metalized plastic disc that stores up to 80 minutes of digitally recorded music. The nonrecordable disc contains microscopic pits that are read by an optical laser pickup in a compact disc player. Each pit represents digitally encoded audio information.

CD changer: A digital source component that typically provides access to between five and ten CD's, depending on its design. Discs are loaded into a removable magazine or onto a carousel-type platter.

CD+G (compact disc plus graphics): A CD that stores still color images, graphics, and text in addition to audio; a graphics decoder/TV adaptor and a CD player with a subcode output is required to play CD+G's.

CD-I (compact disc-interactive): An interactive CD-based format that stores video, graphics, text, and audio; the user has control over content and presentation. CD-I's can be played back only on CD-I players, which can also play standard CD's.

CD (compact disc) player: A digital source component based on the PCM recording system that plays compact discs.

center channel: A third channel used to complement the front stereo channels in a multichannel audio/video or surround system; its primary goal is to localize dialogue.

channel: A distinct path for an audio signal; stereo signals comprise two channels, left and right.

channel separation: Expressed in dB, a measurement of the amount of leakage between an electronic component's left and right channels; higher figures are better.

Class A: An amplifier design in which the output devices conduct current all the time.

Class AB: A common amplifier configuration; designed to minimize distortion at low signal levels.

A U D I O G L O S S A R Y

clean: A subjective term used to describe sound that is distortion-free.

clipping: Distortion that occurs when an electronic device cannot accommodate the maximum level requirements of the input signal.

closed-loop: A drive system used in tape decks in which the tape is pulled by dual capstans, one on either side of the heads, so the part of the tape being played or recorded is held taut and fully isolated from the hubs.

coloration: A response anomaly that makes music sound unnatural.

combi-player: A digital audio component that plays CD's and videodiscs.

continuous average (cont avg) power: The maximum amount of undistorted power a power amplifier is capable of producing on a continuous basis. This specification is meaningful only when accompanied by the following information: watts per channel, the load impedance into which the power is delivered, the frequency range over which the rated power can be delivered, and the maximum THD at the rated power.

crossover (crossover network): A separate component or circuit comprising low-pass, high-pass, and/or band-pass filters that divides lower-frequency sounds from higher-frequency ones. A crossover is used in a speaker that has more than one driver. In a two-way speaker system, the crossover sends the low frequencies to the woofer and the high frequencies to the tweeter. See *active* and *passive crossover*.

crossover frequency: In a crossover network, the frequency at which audio signals are divided so they can be routed to the appropriate driver (low frequencies to a woofer and high frequencies to a tweeter, for example); also called the crossover or cutoff point.

current: The flow of electrons through a conductor.

D/A (digital-to-analog) converter: An electrical circuit that converts a binary code (or digital word) into an equivalent analog voltage. Many CD players use multibit converters with 16-, 18-, or 20-bit resolution, which reconstruct an analog music waveform sample by sample; the voltage of each sample is determined by the sum of the values represented in a 16-bit digital word. A growing number of players use 1-bit converters; both designs produce excellent sound and laboratory measurements.

D/A linearity: Rates the accuracy of a D/A converter; see *linearity*.

damping: The application of mechanical resistance, such as a rubber or silicone material to the cantilever pivot of a phono cartridge, to reduce the amplitude of a resonance; also applied in speakers.

damping factor: A measurement of a power amplifier's ability to control the motion of a speaker's cone after a signal "disappears"; damping-factor figures above 100 are considered to be very good.

DAT (digital audio tape): A digital recording playback format based on the PCM coding process used in compact disc components. Digitally encoded audio information is recorded onto, and retrieved from, magnetic tape; DAT cassettes are about half the size of a standard audio-cassette.

dB (decibel): The unit used to measure the difference between two levels of sound or electrical signal; a logarithmic expression of the ratio of two such levels. An increase of 10 dB represents a tenfold increase in power. Doubling power raises SPL by about 3 dB; halving power reduces SPL by about 3 dB; see *SPL*.

dBf: One decibel referred to a standard power level of 1 femtowatt (one quadrillionth of a watt).

DC (direct current): Electricity that flows in one direction only; see *AC (alternating current)*.

DCC (digital compact cassette): A new digital recording playback format based on a low-bit-rate coding process called Precision Adaptive Sub-band Coding (PASC); a DCC tape has a computer-disk-type metal door, is roughly the same size as an analog cassette, and can store 90 minutes of music; DCC machines can play, but not record on, analog cassettes.

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 S/N (signal-to-noise ratio) while maintaining uniform frequency response. Some CD's also are processed with a high-frequency pre-emphasis; these discs automatically engage de-emphasis circuits in the player.

defeat: To bypass a signal-processing feature, removing it entirely from the circuit.

defect tracking: A measurement of how well a CD player's laser pickup handles flaws on a disc; a player that can track defects above 2,000 micrometers is considered above average.

demagnetizer: A device that removes eventually damaging magnetism from a cassette deck's tape heads and other metal parts in the tape path.

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-synthesis tuning circuits. CD's contain 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 music.

ABBREVIATIONS

AC—alternating current
A/D—analogue to digital
ADC—analogue-to-digital converter
AFC—automatic frequency control
alt-ch—alternate channel
amp—amplifier
CIRC—cross interleave Reed-Solomon code
CrO₂—chromium dioxide
D/A—digital to analog
DAC—digital-to-analog converter
DAT—digital audio tape
dB—decibel
dBf—decibel femtowatt
DC—direct current
DSP—digital signal processing (processor)
EFM—eight-to-fourteen modulation
EIA—Electronic Industries Association
EIAJ—Electronic Industries Association of Japan
EQ—equalization, equalizer
F—farad

FET—field-effect transistor
FR—frequency response
g—gram
HX—headroom extension
Hz—hertz
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
ips—inches per second
k—kilo (one thousand)
kHz—kilohertz (one thousand cycles per second)
LCD—liquid-crystal display
LED—light-emitting diode
L/R—left/right
LSB—least-significant bit
LSI—large-scale integrated (circuit)
M—mega (one million)
Mb/sec—megabits per second

MC—moving coil
MDF—medium-density fiberboard
MM—moving magnet
MNOS—metallic nitrogen-oxide semiconductor
MOL—maximum output level
MOSFET—metal-oxide semiconductor FET
MPX—multiplex
MSB—most-significant bit
m—meter (as in SPL W/m)
m—milli (one thousandth, as in msec)
mH—millihenry
mm—millimeter
ms—millisecond
mV—millivolt
mW—milliwatt
μ—micro (one millionth)
NAB—National Association of Broadcasters
nWb—nanoweber
NR—noise reduction
PCM—pulse-code modulation
PCOCC—pure-copper continuous cast
pF—picofarads

PLL—phase-locked loop
P-P—peak-to-peak, push pull
rec—record
RF—radio frequency
RIAA—Recording Industry Association of America
rms—root mean square
rpm—revolutions per minute
sel—selectivity
sens—sensitivity
sep—separation
SMPTE—Society of Motion Picture and Television Engineers
S/N—signal-to-noise ratio
SPL—sound-pressure level
THD—total harmonic distortion
TIM—transient intermodulation (distortion)
V—volt
VA—volt-ampere
VU—volume unit
W—watt
W&F—wow-and-flutter
Wb—weber
wrms—weighted root mean square
wtd—weighted

digital output: A coaxial or fiber-optic output found on some CD components and most DAT decks that is used to pass digital signals to an outboard D/A converter, digital recorder, or a component that has a digital input; except in the case of DAT recorders and outboard D/A converters, digital inputs are still relatively rare.

dipole: A type of speaker that radiates as much sound from its rear as from its front but with opposite polarity.

dipole antenna: A type of antenna that receives radio broadcasts from two directions. A T-shaped, folded dipole antenna is often supplied with tuners and receivers.

dispersion: Characterizes a speaker's radiation pattern; measured in degrees.

distortion: An unwanted alteration in an audio signal; also see *THD (total harmonic distortion)*, *noise*, and *IM (intermodulation distortion)*.

Dolby B, Dolby C, and Dolby S: Tape noise-reduction (NR) systems designed and licensed by Dolby Laboratories for use in consumer tape recorders. They are encode/decode systems, and work by boosting high-frequencies during recording and attenuating them during playback: Dolby S is the most effective (and most expensive), followed by Dolby C and then Dolby B, which is the most common of the three.

Dolby HX Pro: A special circuit for tape recorders—the HX stands for headroom extension—that lowers the amount of bias added during recording when the signal being recorded already has a lot of high frequencies. This allows high frequencies to be recorded at higher levels with less distortion.

Dolby Pro Logic: An enhanced version of the basic Dolby Surround decoding system that employs special "logic" circuitry to improve sound localization, especially of on-screen dialogue. In addition to the two primary speakers, Pro Logic systems require the use of a front center-channel speaker and two rear-channel speakers for ambience reproduction; as many as eight speakers can be used.

Dolby Surround: A system developed for movie theaters, now available in some signal processors, preamplifiers, integrated amplifiers, and receivers, that adds one or two rear ambience channels to the ordinary stereo channels.

double cassette deck: A cassette deck with two tape transports.

driver: Any individual speaker within a system, such as a woofer or tweeter.

DSP (digital signal processor): A general label for components that manipulate audio signals in the digital domain. DSP tasks include ambience synthesis, equalization, time alignment, filtering, and more.

dubbing: The process of making a recording of another recording.

dynamic range: The difference, in dB, between the softest and the loudest sounds a component can produce; 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. Used in discussion of DSP devices that synthesize room ambience; see *late reflections* and *reverberation*.

efficiency: The percentage of the electrical input power going to a speaker or power amplifier that is converted into acoustic energy; it has no practical bearing on sound quality.

electrostatic: Speakers and headphones that produce sound by moving a thin, electrically charged diaphragm suspended in a high-voltage electrical field.

EQ (equalization): The process of changing the relative volume levels of frequency bands to alter tonal balance. Phono signals require a specific type of playback equalization because of the equalization built into the process of cutting a record; see *equalizer*.

equalizer: A component, or part of a component, that divides the audio signal into separately adjustable bands. The most common type is the graphic equalizer.

expander: A device used to restore natural dynamic range. This is achieved by counteracting the compression of dynamic range that sometimes occurs when recordings are made and when a signal is broadcast.

ferrofluid: A ferromagnetic (attracted to a magnet) liquid used in some speakers, especially tweeters, to conduct heat away from the voice coil and improve damping and power handling.

fiber optics: A signal-transmission medium in which digital audio signals are carried through a special cable as impulses of light; the primary benefit is immunity to electrical noise.

50-dB quieting sensitivity: A tuner spec that indicates the level of an incoming mono or stereo FM signal that's required to produce a background noise level of -50 dB; lower figures are better.

filter: A circuit that boosts, attenuates, or removes selected frequencies from an audio signal.

flat: A setting of 0 dB (without boosts or attenuation), as in equalizers, tone controls, and frequency response.

flutter: Expressed as a percentage of variation from the correct speed, a wavering sound caused by small, rapid variations in the speed of electro-mechanical components such as turntables and cassette decks; see *W&F*.

FM (frequency modulation): A type of radio broadcasting that encodes audio waveforms as variations in the frequency of the broadcast carrier signal. An FM station with a center frequency of 88.1 MHz will actually broadcast a signal that changes from slightly less than 88.1 MHz to slightly more, according to the amplitude of the audio waveform.

frequency: Rate of vibration or oscillation. Sounds are vibrations and can be represented by electrical signals that change at different rates: a low-pitched sound is represented by a slowly changing voltage, a high-pitched sound by a quickly changing voltage. Frequency is measured in cycles per second, or Hz. The audio spectrum is widely considered to be 20 to 20,000 Hz. In radio,

frequency refers to the carrier signal of the station, such as 88.1 MHz for an FM station or 1,010 kHz for an AM station.

frequency response: A specification that indicates how evenly a component reproduces frequencies in the audio spectrum. A typical spec is 20 to 20,000 Hz ± 3 dB, which means that the component will reproduce sounds as low as 20 Hz and as high as 20,000 Hz, and all those in between, not more than 3 dB too loud or too soft. If a frequency-response spec does not include a tolerance (the plus-or-minus decibel figure), it is essentially meaningless.

graphic equalizer: An equalizer with fixed bands; see *equalization*.

ground: The theoretical zero voltage reference; used to describe a negative (-) connection.

headroom: Expressed in dB, the difference between the highest level present in the input signal and the maximum level an audio device can handle without distortion.

heads: The parts of a tape deck that impose a magnetic pattern on a tape (for recording) or detect one that is already there (for playback). Most tape decks have a separate head for erasing tapes by randomizing the magnetic pattern on the tape so that a new one can be recorded.

high-pass filter: A crossover circuit that passes only those frequencies that fall above a predetermined crossover frequency, attenuating those below; see *low-pass filter*.

home theater system: A collection of audio and video components. A minimum of four speakers—two front and two rear—is required to approach the realism of surround-sound movie soundtracks. High-performance systems incorporate a Dolby Pro Logic decoder, which adds a front center-channel speaker and a subwoofer to the above configuration.

HX Pro: See *Dolby HX Pro*.

Hz (hertz): The standard unit of frequency, named after the German physicist Heinrich Hertz. Measurements in hertz represent cycles per second, or changes away from a basic state and back again. In audio, the basic state is defined either as ordinary air pressure (without sound) or its electrical equivalent (a constant-level DC signal). The higher the Hz figure, the higher the sound's pitch.

IC (integrated circuit): A miniature one-piece electronic device containing many transistors and resistors; it is the basic building block of most audio components; see *solid state*.

IF (intermediate frequency) rejection: A measurement of an AM or FM tuner's ability to reject external interference at the intermediate frequency; higher figures are better.

image rejection: A measurement 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.

imaging: The ability of a stereo system to place vocals and instruments in a spatially realistic manner.

IM (intermodulation distortion): A type of distortion caused by frequencies that are sums and

differences of the input frequencies; lower figures are better.

impedance (imp): A measurement, in ohms, of the resistance a component presents to the flow of electrical current; the lower the number, the less resistance.

infinite baffle: A large sealed speaker enclosure in which the compliance of the air inside the box is much greater than the compliance of the speaker's suspension system; see *acoustic suspension*.

infrared: A part of the electromagnetic spectrum that is just below the range of frequencies visible to the human eye. Wireless remote controls use infrared frequencies to send control signals to components.

infrasonic filter: A type of high-pass filter used in some signal processors to attenuate inaudible frequencies below about 20 Hz; also called a subsonic filter.

input: The receptacle, or jack, on a component that receives incoming signals; also refers to the incoming signal itself.

integrated amplifier: A component that performs the functions of both a preamplifier and a power amplifier.

interchannel phase error: Expressed in degrees, the phase difference between the two channels of a CD player; figures above 1 degree are below average.

intermediate frequency: In tuners, 10.7 MHz for FM and 455 kHz for AM.

isolation: The separation of a structure from everything surrounding it.

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.

kHz (kilohertz): 1,000 Hz.

laserdisc: A laser-read videodisc system. Laserdisc players are similar to CD players; see *combi-player*.

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*.

LCD (liquid-crystal display): A type of electronic readout used on the faceplate of some components and remote controls.

LED (light-emitting diode): A small light used as an indicator on many components.

linearity: Describes the accuracy of a component's output signal compared to the input signal; a device whose output varies in direct proportion to the input is said to be linear.

linear-tracking tonearm: A type of tonearm that moves in a straight line across the radius of a record.

line-level: Refers to low-voltage audio signals; also known as low-level or preamp-level. See *speaker-level*.

logic: In cassette decks, the ability to switch from one transport function, such as fast forward, to another, such as rewind, without first pressing the stop button; doing this in decks without logic controls can damage the tape. In a surround-sound system, logic 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, which appear in some preamplifiers and receivers, are designed to offset the human ear's loss of low-frequency sensitivity as the sound level decreases and can be switchable (on/off), adjustable, or automatic.

low-pass filter: A crossover circuit that passes frequencies that fall below a predetermined crossover frequency and attenuates those above; see *high-pass filter*.

mA (milliampere): One thousandth of an ampere.

magazine: The removable module in a CD changer into which five, six, or ten discs are loaded.

matrix: A type of circuit commonly used in surround-sound processors to encode three or more channels of information into two or to derive multiple channels from an encoded stereo signal. Also used to describe a similar type of circuit that can synthesize a rear channel for ambience even if the original recording consists only of left and right stereo channels.

maximum power: The maximum, or peak, amount of power an amplifier is capable of producing for a short period; see *continuous average power*.

MD (Mini Disc): A new optical recording/playback format based on an efficient 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 compatible with the CD format.

MHz (megahertz): 1,000,000 Hz.

microphone: An electroacoustic pickup device that converts acoustical energy—such as live music or a voice—into an electrical signal that is essentially equivalent in shape and amplitude to the acoustical input.

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 frequencies, which includes most of the fundamental tones of the human voice and most musical instruments.

mono (monaural): An audio signal in which all the information is combined in one channel. In a component, it indicates that only one combined channel is handled, as in a mono power amplifier.

MOSFET (metal-oxide-semiconductor-field-effect transistor): A special transistor used in some power amplifiers that is capable of deliver-

ing very high peak current, although it's more prone to crossover distortion than other designs; see *transistor*.

MPX (multiplex): A method of combining two or more signals into one. Some tape decks have an MPX filter that removes the 19,000-Hz pilot tone from stereo FM broadcasts.

MTS (multichannel television sound): The encode/decode system devised by Zenith and dbx for stereo television broadcasting in the United States. An MTS decoder, which may be built into an audio or video component, decodes stereo broadcasts; see *SAP*.

muddy: A subjective term describing sound, usually in the bass region, that isn't clear.

multipath: A condition that occurs when a broadcast radio signal reaches the tuner's antenna over two or more paths of differing lengths. The result is interference that causes distortion and a loss of stereo separation.

multiroom system: A system that directs music or video programs from one or more sources to secondary listening spaces, or zones.

µs (microsecond): One millionth of a second.

µV (microvolt): One millionth of a volt.

mV (millivolt): One thousandth of a volt.

negative feedback: A circuit design used to some degree in all power amplifiers in which a portion of the output signal is mixed with the input signal to reduce gain, which in turn reduces distortion and increases the amplifier's stability.

noise: An unwanted part of an output signal that is not related to the input signal. Audio noise usually sounds like hiss or hum.

NR (noise reduction): A system designed to reduce the noise added to an audio signal during recording. See Dolby B, Dolby C, and Dolby S.

ohm: The basic unit of electrical resistance; see *impedance*.

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 1-bit PDM (pulse-density modulation) or PWM (pulse-width modulation) technique.

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.

oversampling: A digital filtering technique used in all CD components. Extra data points (numerical representations of the amplitude of an audio waveform at a given point in time) are mathematically interpolated between those read from the disc, creating a signal at some multiple of the standard 44.1 kHz sampling frequency of the CD format (usually two, four, or eight times). The process raises the frequency of any spurious signals created by the format's digital signal manipulations well above the audio range. The spurious signals are then removed by an analog filter.

PASC (Precision Adaptive Subband Coding): The low-bit-rate digital coding process used in the

new DCC format; the system separates the audio signal into thirty-two bands with fixed center frequencies and encodes each band with a number of bits that varies according to frequency content and the degree of masking taking place within each band.

pass-band: The frequency segment, or band, that is established by a band-pass filter; see *crossover*.

passive crossover: A network of capacitors and/or inductors that divides the audio signal into frequency bands (low, mid, and/or high) after it is amplified; see *active crossover*.

passive radiator: An unpowered speaker assembly that is placed in the port of a vented-enclosure system to extend the bass response; the movement of the powered assemblies moves the passive radiator.

PCM (pulse-code modulation): A system of recording that encodes an audio signal in a series of electrical or magnetic pulses representing binary numbers (ones and zeros). CD components, DAT decks, and digital signal processors all use PCM encoding.

PDM (pulse-density modulation): A signal-generation method, used in some 1-bit D/A converters. Signal information is represented by a series of pulses that have an identical amplitude and duration but are either positive or negative; the process requires the filtering of ultrasonic energy before an analog waveform can be recovered.

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 at a moderate speed so the user can judge the levels of transient peak waveforms.

phase: A term used to describe the time-domain characteristics of a speaker or component.

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 plugs.

piezoelectric speaker: A speaker (usually tweeter) that employs a ceramic element that expands or bends when fed a signal voltage, generating sound.

pink noise: A type of random noise that has a constant amount of energy in each octave; used as a test signal.

PLL (phase-locked loop): A type of tuner circuit that locks the received frequency to a synthesized reference frequency, which is usually generated by a quartz crystal.

polarity: An electrical convention that describes audio connections as positive and negative. To produce sound that is an accurate representation of the input signal, each speaker in a stereo pair must be properly wired to the power amplifier: the positive speaker lead to the positive terminal and the negative speaker lead to the negative terminal; see *reverse polarity*.

port: An opening in a bass-reflex speaker system that allows the sound wave from the back of a driver 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 preamplifier so that it can drive speakers.

preamplifier: A component, or part of a component, that switches and processes audio signals from source components. Typically, preamplifiers amplify only the low-level phono signals from turntables (more precisely, from phono cartridges), raising them to the same level as signals from other source components (called "line level") and applying the necessary RIAA equalization.

preset: A memory position on a component that is either preprogrammed or can be programmed by the user. Tuner presets enable radio stations to be stored for instant recall, for example.

programming: The process of entering in instructions for a component to carry out at a later time. For instance, many compact disc players can be programmed to play selected tracks in any order.

PWM (pulse-width modulation): A signal-generation method, used in some 1-bit D/A converters, in which all of the signal pulses are of the same amplitude but of varying durations, or widths; the process requires the filtering of ultrasonic energy before an analog waveform can be recovered.

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, the impedance of a speaker peaks at its point of free-air resonance; here, Q is a ratio that describes the shape of the impedance curve around the point of resonance.

quantization: In a digital audio signal, the number of possible values available to represent various levels of amplitude. In the CD format, the resolution of the quantization is 16 bits, which means that each sample can have any value between zero and 65,535. Higher figures are better because they allow for more accuracy. See *sampling frequency*.

quartz-synthesis: See *PLL*.

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: The most common kind of connector, using a small, one-pin plug. RCA cables usually come in pairs, with the right channel marked in red, the left in black, gray, or white.

receiver: An audio component that performs three basic functions: receiving radio broadcasts, switching and processing audio signals, and amplifying the selected signal so it can drive speakers.

recording-level meter: An indicator on a tape recorder that displays the signal levels being recorded from moment to moment; recording-level meters are used to set proper recording levels.

reverberation: A dense pattern of echoes that results when music is played in an enclosed space. The more reflective the walls and surfaces of the listening space, the greater the reverb and, hence, the feeling of "spaciousness."

reverse polarity: An electrical condition in which the positive and negative wires running to one speaker in a stereo pair are reversed; this causes the sound wave emanating from the speakers to be out of sync with one another, which weakens bass performance.

RF (radio frequency): The high-frequency electromagnetic signals used to broadcast radio programs.

RFI (radio-frequency interference): Noise created by interference from strong, nearby radio broadcasts.

RIAA: The Recording Industry Association of America, which has set standards for the equalization used on phonograph records. To minimize noise and prevent overcutting, every record has reduced bass and boosted treble, and these characteristics must be compensated for during playback by the phono preamplifier.

ribbon speaker: A form of speaker driver using a light ribbon suspended in a magnetic field that generates sound when current is passed through it.

rms (root mean square): A common method of averaging power measurement.

rolloff: A gradual reduction in the level of a signal above or below a certain frequency.

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 (separate audio program): A separate mono channel that is broadcast along with the two stereo channels in the MTS system for stereo TV. The SAP channel can be used for various purposes, such as providing an alternative soundtrack in a language different from that used on the primary channels.

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.

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 in (dB) is produced at a specified distance (usually 1 meter) from the speaker when it is fed a specified input signal (usually

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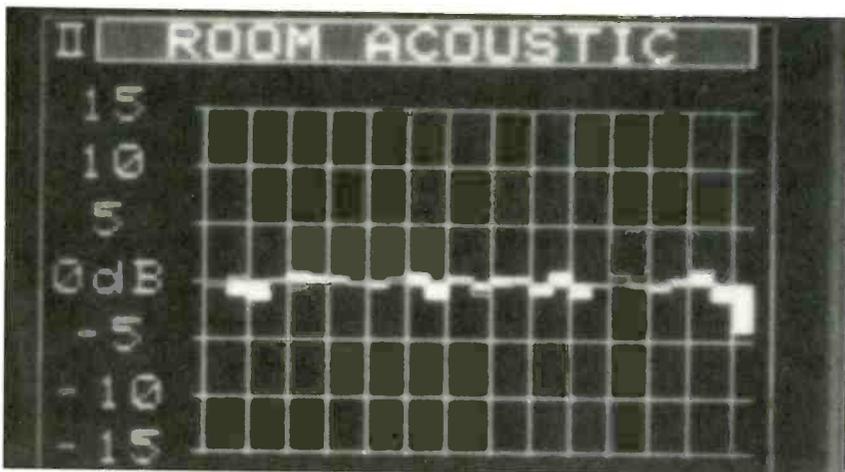
2.83 volts, or 1 watt, into 8 ohms); higher numbers are better.

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 that is modulated (changed) to represent audio information.

signal processor: A component that in some way manipulates line-level audio signals; crossover and equalizers are the most common varieties.

slope: The rate at which a crossover attenuates out-of-band frequencies. Expressed in "dB 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 faster attenuation occurs.

S/N (signal-to-noise ratio): 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.

solid state: Electronic circuits whose active elements are transistors and integrated circuits (IC's).

sound field: A listening environment; see *ambience*.

sound stage: The reproduction of a sound field by a stereo system.

source: The signal that is played through a stereo system. Turntables, tape decks, and CD players are source components.

speaker (or loudspeaker): A component—typically conical in shape—that accepts audio signals from a receiver or amplifier and converts them into sound waves; also called a driver. The term is also used to describe enclosures with multiple drivers.

speaker level: Refers to amplified audio signals; see *line-level*.

specification (spec): A manufacturer's numerical measurement of a component's performance.

SPL (sound-pressure level): Expressed in dB, a measurement of acoustic energy, usually encountered in the sensitivity rating of a speaker; see *dB*.

standing wave: Peaks and dips in frequency response that are caused by the interaction of sound waves in an enclosed space.

stereo: The use of at least two channels—left and right; see *imaging*.

stylus: The needle-shaped material, usually diamond, at the end of the cantilever of a phono cartridge; its vibration as it traces the 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 subwoofer systems contain an amplifier and crossover.

supertweeter: A tweeter used to reproduce only extremely high frequencies; usually found in four- or five-way speaker systems.

surround sound: See *Dolby Surround*, *Dolby Pro Logic*, and *THX*.

tape monitor: A switch on a tape recorder or preamplifier that allows the user to listen to a tape as it is being recorded to insure proper recording levels; on a preamp it may also support external signal processors.

THD (total harmonic distortion): The percentage of an audio output signal that consists of spurious harmonics, or multiples of the fundamental frequencies. These harmonics are introduced by an amplifier or other component through which the signal passes; lower figures are better.

THX: A certification for theater systems and components that adhere to sound-system standards and specifications developed by Lucasfilm. THX-certified systems are designed to reproduce Dolby Surround movie soundtracks with very high accuracy. Home THX systems include a control center with Dolby Pro Logic surround decoding plus additional equalization and signal processing, three front speakers (left, center, right), two rear surround speakers, and usually a subwoofer.

tracking: The ability of a CD player or phono cartridge to follow the pattern recorded on a CD or record.

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*.

transport: The parts of a tape deck that move the tape, including the motor(s), hubs, capstan(s), and other mechanisms. In a CD player or turntable, the transport system rotates the CD or record.

treble: The upper part of the audio spectrum; 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.

tweeter: A speaker designed to reproduce high frequencies.

two-way, three-way: Refers to the number of frequency bands a speaker system's output is divided into. A two-way system has a woofer and a tweeter; a three-way system adds a midrange speaker to that configuration.

usable sensitivity: A tuner spec that indicates the minimum level of an incoming mono signal that's required to produce a satisfactory output signal, one with no more than 3 percent combined noise and distortion; lower figures are better.

vent: See *port*.

volt: The measurement unit of voltage.

voltage: The amount of work required to move electrical current from one point to another; measured in volts.

waveform: A graphical representation of an audio signal: 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.

W/ch (watts per channel): A specification that indicates how much power a stereo amplifier or receiver will deliver to each of a pair of speakers.

W&F (wow-and-flutter): A specification indicating the speed accuracy of mechanical components such as turntables and tape decks; lower figures are better.

woofer: A speaker designed to reproduce low frequencies.

wow: A measurement of slow speed variations; see *W&F*.

zero-cross distortion: A low-level glitch that occurs in some CD components when the analog output produced by its D/A converter(s) crosses the zero axis between positive and negative voltage.

zone: In the context of a multiroom system, a listening area. □

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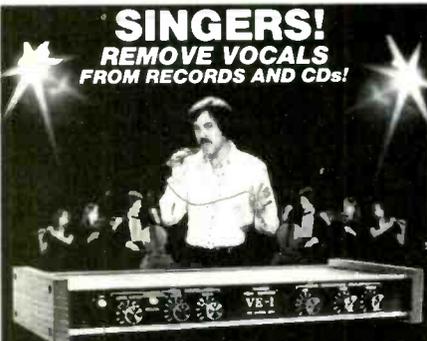
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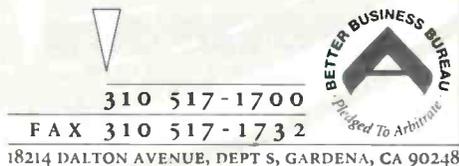
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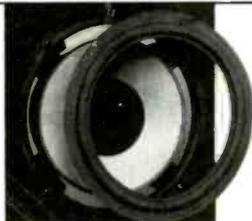
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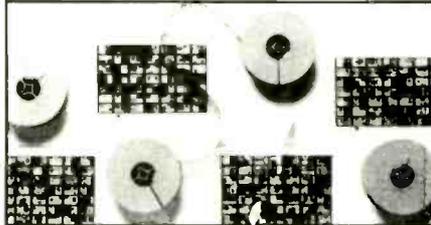
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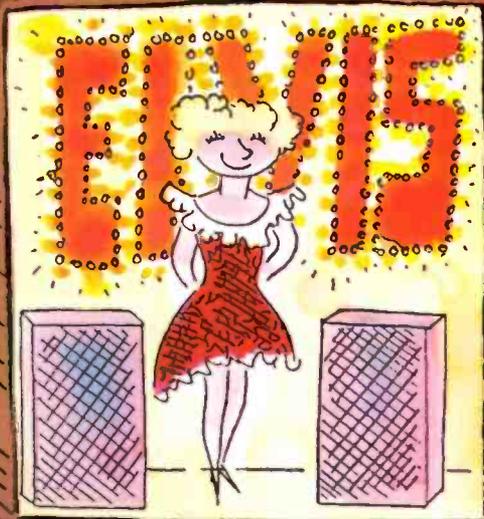
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