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STEREO

BUYER'S GUIDE 1994

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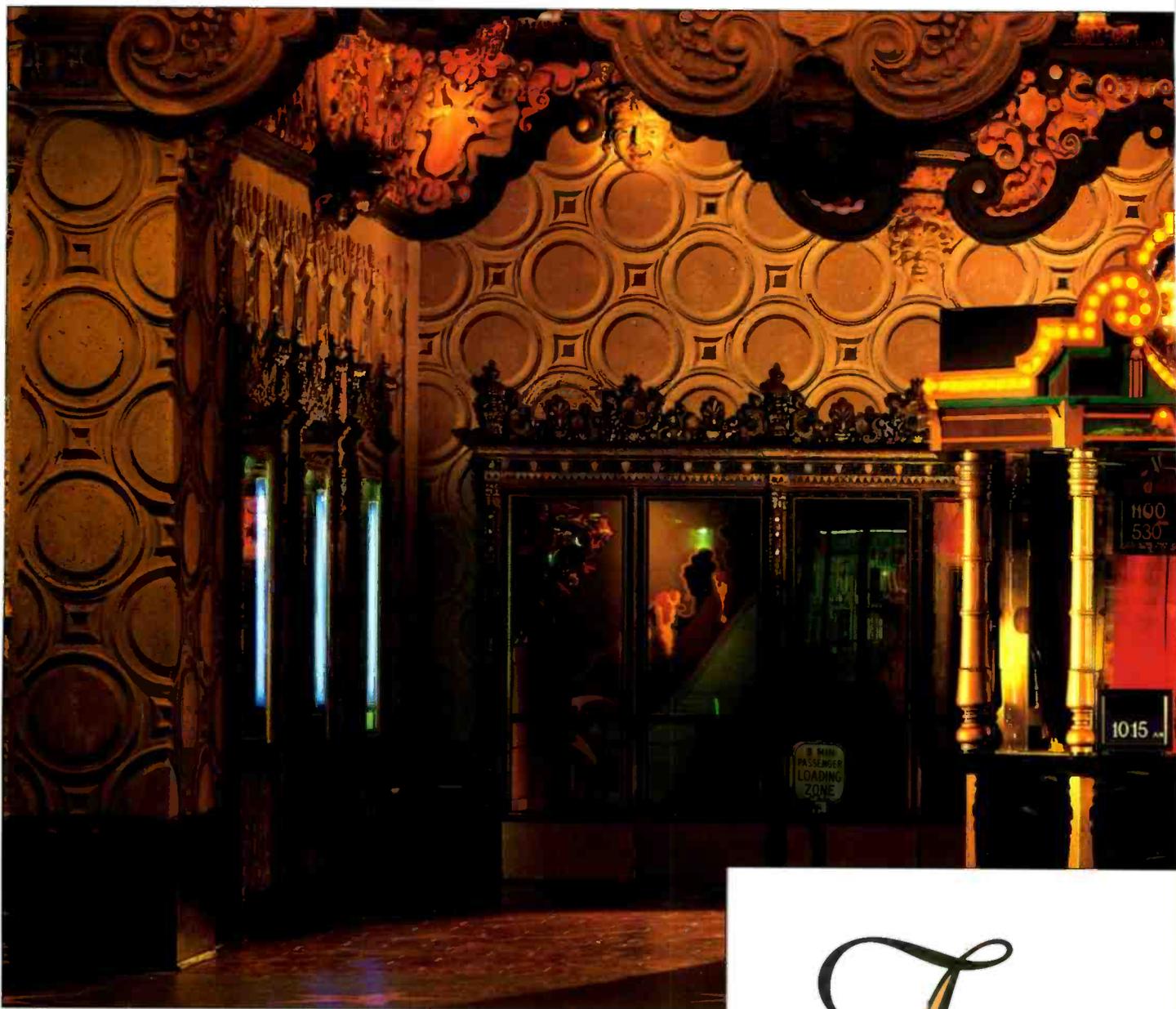
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Boasting high quality parts such as Roderstein 1% metal film resistors, Wima polypropylene capacitors and Alps motor-driven potentiometers, the HC-808 offers better, more lifelike sound than others. It also features stereo subwoofer outputs, adding impact to footsteps, gunshots and other low frequency sound effects, as well as a bypassable monitor loop for insertion of an equalizer.



HC-818 Audio Controller

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Slaved off the HC-828, this optional video switcher offers 5 video inputs (S-video or composite) and can be connected to

three monitors and a VCR with independent source selection for each monitor. All outputs are also S-video and composite.

Solid 1 Power Amplifier

This amplifier, lauded as the "Best Buy" in Taiwan, and "One of the 10 Best Buys in Audio" by *Bound for Sound*, is the perfect amplifier for the home theater, or for a dual purpose audio/video system. Based upon FET and bipolar cascode technology, this amplifier offers an impressive 60 amps of peak current, with 100 WPC at 8 Ohms, and 170 at 4. And potentially speaker damaging DC offset is eliminated.

Our 7-piece Home Cinema speaker system distinguishes itself by utilizing custom-made glass fiber cone technology for superior dynamics and clarity. Additionally, it produces bass in stereo, instead of the mono bass home theater speaker systems usually sold. The standard finish is black suede Nextel.

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STEREO

BUYER'S GUIDE 1994



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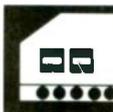
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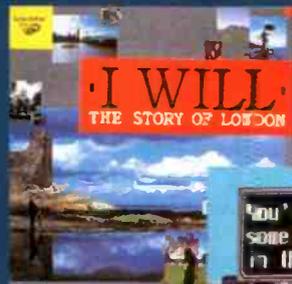
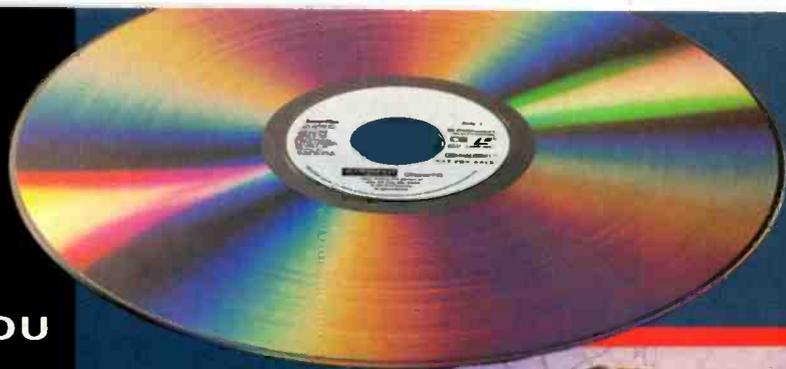
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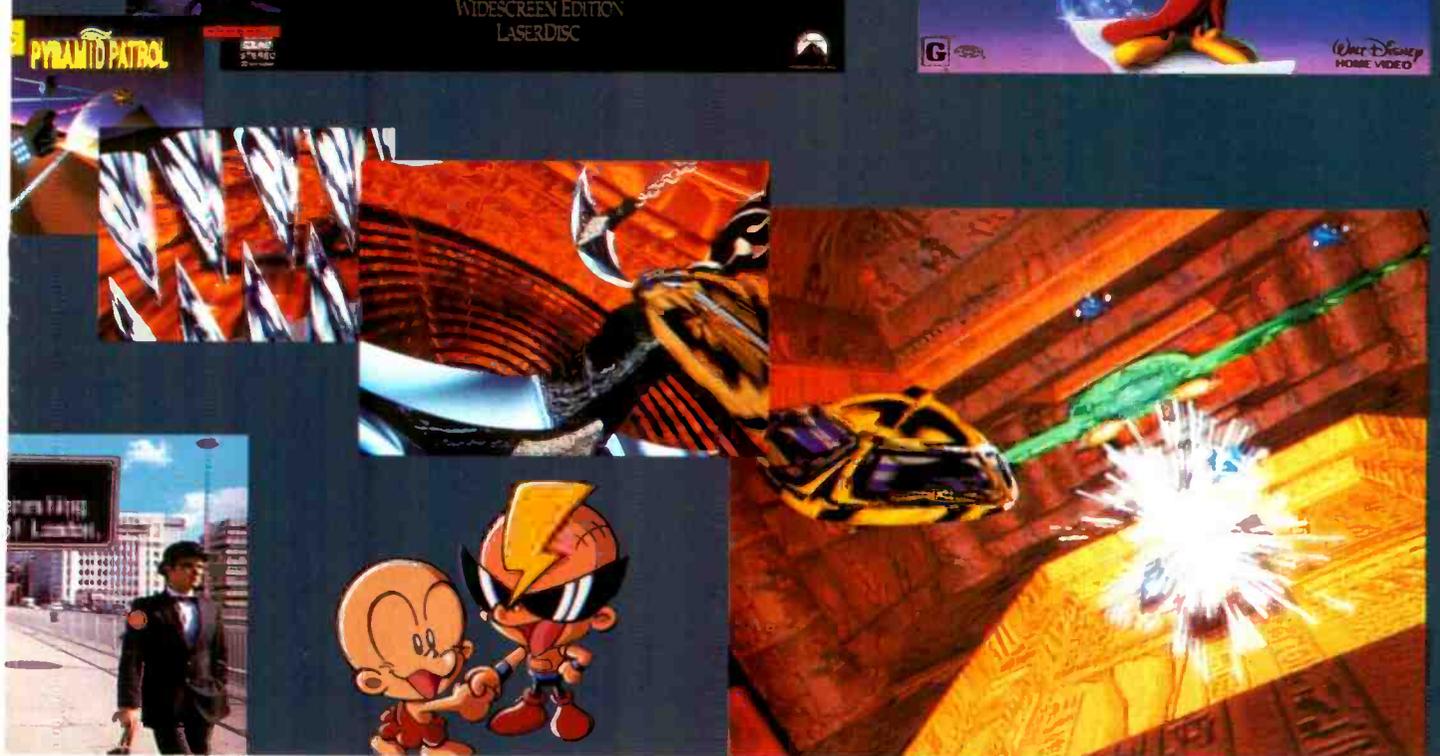
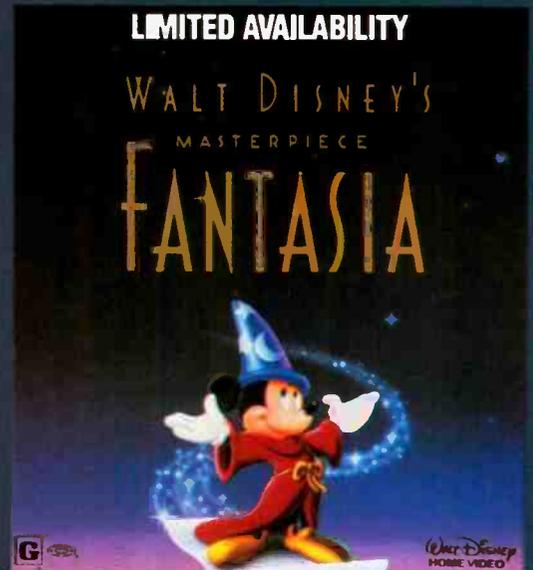
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PHILIPS

THE HOME-THEATER UPGRADE

What's on TV tonight?

To say that Americans enjoy an ongoing love affair with their television sets is to belabor the obvious. A TV show isn't deemed a hit unless tens of millions of households tune in to watch it on a regular basis. Your local video stores are usually more crowded than your town's poshest restaurant. We've even come to regard watching TV with the family as quality time.

It all comes down to entertainment. We work, study, or play all day, and at night we want to sit

**Hi-fi soundtracks
make home theaters sing**

BY MARC HOROWITZ

**A FIGHTER
JET SHOULD
NOT SOUND
LIKE A
CAN OPENER.**

back and relax in the comfort of our homes and be dazzled by creative genius. For decades, the miracle of TV images appearing magically in our living rooms was enough to keep us enthralled. Then, as that miracle grew thin, soundtracks—movie soundtracks, especially—began to take up the slack and contribute to the experience as much as the visuals. Now, for the first time, a veritable host of audio/video (A/V) components is available at truly affordable prices, allowing us to enjoy every nuance and all the power of soundtracks in our homes. Combine them with high-quality pictures displayed by a high-quality TV set, and the effect can be downright riveting. It's so good, in fact, we call it "home theater."

The goal of a home-theater system is to reproduce the vision of the TV, video, or movie director—and to do so as faithfully as possible. Soundtracks play a vital role in realizing this vision. If you're watching *Top Gun*, a fighter jet should sound like a savagely powerful machine as it flies through the sky at breathtaking speeds—not like an electric can opener laboring over a can of cat food in your kitchen. A movie score by Erich Wolfgang Korngold, Alex North, or Ennio Morricone should sound every bit as rich as a performance by live musicians. And sounds, whether subtle or dominant, should correspond to the images you see on your TV screen—if a character situated at the left edge of the screen opens a door, for example, the sound of the door opening should appear to come from the left edge of the screen. In all cases, the sounds you hear should sound lifelike, and you should never be aware that they are being reproduced by some combination of amplifiers, processors, and speakers.

Home theater presents music enthusiasts with an entirely new arena in which to dabble. That's because the most economical way to build a home theater is to add components to an existing hi-fi stereo system. In some cases, it's simply a matter of hooking your stereo, your TV, and your VCR together and buying a processor, some extra amplification, and three or four speakers; in other cases, you may want to upgrade some or all of your existing components. Many people upgrade their TV sets, for example, since a 27-inch screen size (measured diagonally) is considered the minimum for a bona-fide home theater. Whatever route you take, we guarantee the home-theater experience won't disappoint you.

Surround Sound

The foundation of any home theater deserving of the name is something called "surround sound." While the vast majority of music recordings are meant to be played back in stereo (that is, with two speakers playing two discrete channels of music information), many videodiscs, videotapes, and televised movies produced during the past 10 years have been encoded with so-called "Dolby Surround" information. Dolby Surround is a home variation on the Dolby Stereo technology used in movie theaters, and like its theater counterpart it utilizes an additional, mono audio channel that is recorded on film and video soundtracks.

The extra channel adds depth to enhance the overall realism of the program, and it is typically used to handle

special effects. In order to enjoy the benefits of Dolby Surround, a home-theater system must have a Dolby Surround processor, to decode the extra channel, and at least four speakers (two front and two rear). Processors are available as stand-alone components, and they're also built into receivers, amplifiers, integrated amplifiers, TV sets, and even some speaker systems, a union that helps earn these components the "A/V" designation.

Many A/V components offer a step-up version of Dolby Surround processing called "Dolby Pro Logic." Any component with a DPL decoder includes an output for a center-channel speaker, bringing the minimum number of speakers in the system up to five. A DPL component also has built-in "steering-logic" circuits, which vastly improve the realism of the home-theater experience by carefully directing signals to appropriate speakers—as in the sound of the door opening to the front-left speaker, in the example cited above. In addition, a DPL component excels at tying dialogue to the center of the screen, where it belongs.

Note that the vast majority of surround-sound processors provide some degree of straight music enhancement in addition to processing video soundtracks. The basic idea is to imitate the way music sounds in various venues, from theaters and music halls to jazz clubs and stadiums. The imitations are based on reflectivity, or the way sound behaves when it bounces off a venue's floor, ceiling, and walls. The more sophisticated (and expensive) processors use digital signal processing (DSP) to create this grand illusion. While some audio purists turn their noses up at these digital manipulations, we think a system that's been accurately adjusted for surround sound is fantastic with some music. A subtle touch is key, and the goal—as always—is a natural and realistic sound. As with any electronics purchase, a careful evaluation and solicitation of advice from a professional are vital. Our guess, though, is that you'll be hooked for life if you experience a high-quality demonstration of, say, Mozart in a digitally simulated cathedral or Thelonious Monk in a recreated jazz club.

Know too that a growing number of TV shows have Dolby Surround encoded on their soundtracks (*Northern Exposure*, *Star Trek: The Next Generation*, and *The Late Show with David Letterman* are just three examples), as do many of the more sophisticated video-game cartridges and other interactive programs. In short, a well-designed home-theater system can add a thrilling sense of realism to virtually any type of electronic home entertainment.

Using Your Receiver

The first thing to decide is whether you want to use your current stereo receiver in your home-theater system (if you have one). While it won't have enough channels to drive all of the speakers in the system, you can use it to drive two of them, leaving only three others (in a basic system) in need of amplification. If you're happy with the receiver's performance, there's really no good reason to ignore it—unless you want to use it in another room or don't mind giving it to your parents, siblings, kids, or a friend.

You can connect your receiver to a new surround-

sound processor through the former's "preamp-out/main-in" jacks or its "tape-monitor loop." Note that the pre/main route is preferable, since it'll give you more control when setting volume levels among your home theater's multiple speakers (a key element we'll discuss later) as well as leave your tape loop open for any source components that might interest you in the future, such as a new Digital Compact Cassette (DCC) or MiniDisc (MD) deck.

You should also check your receiver's power capabilities. Something in the range of 50 to 125 watts per channel should be fine for driving the front speakers in all but the largest of rooms. If your receiver only puts out 20 or 30 watts per channel, however, you should only use it to drive the rear speakers.

Note that it's important for the receiver's power output to be matched to that of the rest of the home-theater system; you don't want the speakers powered by the receiver to be out of balance with the system's other speakers. At higher listening levels, an overtaxed amp can create distortion that could damage the speakers, or at least draw attention to them, destroying the realism of the experience. The general rule in home theater is to deliver equal power to the front speakers (including the center speaker, if one is used) and from one-half to one-quarter of that figure for the rear speakers. If your current receiver delivers 60 watts to each of two speakers, for example, it's fine for front-speaker duty, and you'll need to pair it with some kind of amplification scheme that delivers 15 to 20 watts to each of the rear speakers (plus another 60 watts to a center speaker, if one is used).

If you use your receiver, it'll usually continue to operate pretty much as it did before, driving two speakers and enabling you to select and control whatever sources you've got connected to it (such as a CD player and cassette deck). But there's much more going on in a home theater, and most of it will be beyond the scope of an older receiver. Fortunately, you have several options when it comes to adding surround-sound processing and extra amplification.

Separates vs. Built-in

One method consists of adding a stand-alone surround-sound processor as well as one or more separate amplifiers. Hi-fi enthusiasts will recognize this as the "separates" approach, which boasts increased flexibility and, arguably, refined sonics. The separates route can get very expensive, however—and whether the perceived performance benefits justify the dollars is purely a matter of personal opinion.

Stand-alone processors can vary from the ultra-simple to the ultra-complex, with most units typically providing lots of special surround-sound processing "modes" for audio and video programs. It's not uncommon to find 10 or more different modes and all kinds of parameters you can use to adjust each of the modes. As mentioned, upscale models employ digital signal processing, offering more control and (reputedly) better sound. You'll also get all of the inputs and outputs you need to connect the processor to various amplification schemes.

When shopping for a separate amplifier (or more than



▲ Yamaha's RX-V870 AV receiver (\$899) uses DSP for ambience enhancement.



▲ The quasi-dipole Surround Speaker System (\$399 a pair), from Cambridge SoundWorks.



▲ JVC's HR-J600U (\$480) is a VHS VCR with Hi-Fi record-and-play circuitry; Hi-Fi sound is so good, some people use it for audio-only recording.



▲ Pioneer's CLD-D702 combi-player (\$1,200) boasts double-side play of videodiscs, a full roster of digital special effects, and an illuminated remote control.

HAVING LEVEL CONTROLS ON THE REMOTE IS CRITICAL.

one), your only concern tied to home theater is getting the right amount of power. In all other areas, your purchase of a home-theater amp imposes no special requirements. As mentioned above, most experts agree that equal power delivered to the front three speakers is a must, with a half or even a quarter of that amount going to the rear speakers. (The rules change for upscale "THX" systems, as you'll see in "The THX Option," page 14.)

A dedicated home-theater amp can come in many configurations in regards to channels. You can use a stereo (two-channel) or three-channel model to drive a center speaker and two rear speakers. (One channel of a stereo amp can drive both surround speakers, since the surround signal is mono.) Or you can use a five-channel model to drive these speakers plus one or two "passive subwoofers," which reproduce very low frequencies; if you use only one subwoofer, you can bridge the remaining amp channels to give it even more power (helpful since low frequencies are notoriously power hungry). You can use a five-channel amp to drive center and rear speakers plus a pair of "front-effects" or side surround speakers, for which some pricey processors provide outputs. Some companies even sell six-channel amplifiers, which can handle any number of home-theater scenarios. Suffice it to say, whatever you decide to do, there will be plenty of amps from which to choose.

A more common—and more economical—way to add to your current receiver is to buy a surround processor with built-in amps. This way, you get all the extra power you need and all the processing in one chassis, with savings in dollars, shelf space, and hook-up time. You might sacrifice a couple of the exotic features found in upscale stand-alone processors, and the power output might not be as robust, so it's best to explore your options on a unit-by-unit basis. In any case, manufacturers offer amp/processor combos at all prices and levels of sophistication—some even have DSP and five channels of amplification.

The A/V Receiver Option

Reassigning your current receiver and buying a new A/V model can offer the most home-theater bang for your buck. Most A/V receivers include all of the processing and amplification you'll need to run your entire home-theater system. Some models have nearly as many features and processing modes as their stand-alone counterparts—including one or more mono line-level outputs for hooking up one or more powered subwoofers. Manufacturers are also offering relatively expensive A/V receivers that have the same topnotch surround-sound processing circuits as their most expensive separates.

The downside to the A/V receiver approach becomes apparent when you consider that this one piece of equipment is packed with everything your old receiver had plus a few more channels of amplification and a sophisticated surround-sound processor. An A/V receiver's front panel can get very crowded; some end up looking like the cockpit of a Lear Jet. Ease of use is in question here. If the front panel is so busy that you'd constantly be hitting the wrong button or spending too much time squinting to read the buttons' legends, you

probably won't be able to enjoy the receiver.

Manufacturers are attacking this potential problem from three fronts: They're putting secondary controls behind a fold-down door, they're packaging the receivers with a comprehensive, usually user-friendly remote control, and most units feature on-screen displays. Take some time to interact with any "front end" component you're considering. You have to feel comfortable with it or it isn't the component for you.

Front-End Features

Whether you've selected an A/V receiver or one of the amplifier/processor combinations discussed above, there are certain key things to look for—some obvious, some not so obvious. As we pointed out earlier, Dolby Pro Logic processing is pretty much a must, and the experts generally recommend an even distribution of power for the three front channels.

In terms of user interaction, the ability to balance the level of all the speakers is probably the most crucial aspect of a refined home theater. Both the unit and its remote control should have level controls. In many cases, these controls limit you to adjusting the level of the center and rear speakers, but this is fine; you can adjust the level of the front left and right speakers using the conventional left/right balance control, and powered subwoofers come with their own level control. Passive, nonpowered subwoofers are usually sold with satellite speakers to which their output capabilities have been closely matched. (Driven by the left and right speaker outputs, a sub's level rises and falls with that of the satellites.) If you plan to use a passive subwoofer that is not designed for use with your satellites, you'll probably need a processor that has a subwoofer-level control. Otherwise, it's hit or miss in terms of level matching. Having level controls on the remote is critical, since the level-balancing procedure must be performed from the chair or couch from which you'll be enjoying your home theater in order to be effective.

Speaking of remote control, make sure it's logically laid out and fairly easy to use with one hand. Although there aren't a lot of them out there, an illuminated remote—one whose buttons and legends can be set to light up when you're enjoying a program in a darkened room—makes things a lot easier.

Your front end will probably be serving as the control center for your entire audio/video system, so you need to check that it offers all of the basic features and controls to satisfy all of your audio and video needs. See if there are enough inputs and outputs to handle all the components you have now *and* any that you might purchase in the foreseeable future. Again, this isn't a problem with most units, since they generally offer a forest of input/output jacks on the rear panel. The most budget-friendly units might come up a little short, though. Are there facilities for tape dubbing (both audio and video) and all of the radio controls—scan and memory presets, for example—you need?

Also check the unit's display panel. An A/V control center will be handling plenty of chores, and a comprehensive, legible display makes it very easy to keep track of what you're doing. A logical representation of speaker levels is truly useful; some units use LEDs to indicate

the level of individual channels, while others, as mentioned, have on-screen displays. These "on-screen displays" really simplify things, since they're much larger—and, therefore, much easier to read—than even the largest front-panel displays.

Performance differences between units are very difficult to discern during an in-store demonstration. Power differences are perhaps the easiest to gauge, but only when the gap between competing models is significant. In short, you probably won't be able to hear the difference between a receiver delivering 60 watts per channel and another delivering 75 watts per channel; the accepted rule is that you have to *double* amplifier power before you reach an appreciable difference in volume capability. It should also prove difficult to hear differences between a 100-watt-per-channel receiver and a 100-watt-per-channel separate amplifier; the separate amp may be able to reproduce some extremely subtle nuances that the receiver can't, but the key words there are "may" and "extremely subtle." Unless you consider yourself a diehard audiophile, we recommend that you don't worry about investigating such subtleties.

Differences in the surround-sound circuits will probably prove even more elusive—even when comparing a \$500 A/V receiver to a \$1,500 separate processor. One test the experts perform is to play a familiar videodisc that's encoded with Dolby Surround, turn off the video portion of the program, and simply listen to the audio portion. If there are many instances of sounds jumping erratically from speaker to speaker (remember, they use a disc they're familiar with, so they know what to expect), the unit earns a frown. In addition, the experts listen to the basic *quality* of the soundtrack; as always, the yardstick is that sounds must be reproduced in a natural fashion.

You should also turn all of the speakers off except for the rear speakers and listen to how they sound playing by themselves. Do they distort when you turn the volume up to a reasonably loud level? Another good test is to disconnect only the center-channel speaker and set the unit to its WIDE center-channel mode (if it offers one). Then play a passage of simple mono dialogue from a videodisc. Very little dialogue should leak through to the side and rear channels; anything more than a little is unacceptable, and the little there is (there's almost always some) shouldn't fluctuate in level.

Other basic "tests" apply here as well. For example,



Definitive Technology's BP2 (\$250 each) is a bipolar speaker that's ideal for surround sound; drivers fire from the speaker's front and back, increasing the sense of spaciousness.

Denon's AVR-3000 A/V receiver (\$1,400) delivers 110 watts x 3 and 35 watts x 2.



Toshiba's M-769 VHS VCR (\$600) has Hi-Fi circuitry in addition to VCR Plus+ programming.



Celestion's AV-1 (\$179 each) is a center-channel speaker.

VIDEODISCS ARE THE PUREST HOME-THEATER SOURCE.

you can listen for "crosstalk" problems, whose presence indicates an inferior design: Have the salesperson connect a CD player to the unit and play a CD with the player's output set to its maximum position. Then turn the unit's volume control to a fairly high, but still comfortable, listening level. Without adjusting the volume or hitting the CD player's STOP button, use one of the unit's front-panel controls to select another input (VIDEO 1, for example) that isn't currently operating. You should hear absolute silence. If you hear some sound "bleeding" over from the CD player, the unit in question has a crosstalk problem. Finally, check the component's basic fit and finish—shoddy externals are a good indication of a generally careless design.

Comparing Processors

Manufacturers of expensive surround-sound processors (and of expensive components with built-in processors) don't agree on much, but they do agree on one thing: The computer chips that do the surround decoding in a home theater are not created equal. Budget chips are asked to perform the same tasks as pricey chips, and other chips are designed with extra capabilities. One question you might ask yourself, then, is Can I hear the difference between one processor and another?

If you're truly interested in the answer (which probably differs for every individual), and you can find a salesperson who's willing to set up a fair demonstration, you should definitely give it a shot. Be forewarned, though, that this will be a lengthy process, and it may prove inconclusive.

A fair evaluation requires an equal testing ground. So the only thing that should change in the "reference system" is the processor. The best way to perform such a comparison is to have the salesperson plug two processors into a "switchbox," feed them a video-disc that has a Dolby Surround soundtrack, and direct the switchbox's multi-channel output to a topnotch speaker package. The use of high-quality components will increase the odds of your discerning differences.

If you already know the identity of the other components in your home-theater system, you may want to use them as the reference system. In such a case, you'll really be attempting to answer a different question: Can I hear the differ-

ence between processors in my system? The answer to this question might prove more meaningful.

Once you've decided on a reference system, start by comparing an expensive high-end processor with a budget model. This should really put the odds in your camp. Make sure both processors are set to the Dolby Pro Logic mode, that the speaker levels are balanced through each processor, and that the main volume on both processors is closely matched. As mentioned, everything else—amplification, speakers, and the source—should be identical.

Find a scene that has a lot of subtle nuances on the soundtrack, especially ones involving the rear speakers. In *Field of Dreams*, for example, there's a scene where Kevin Costner is talking to James Earl Jones and Amy Madigan; in the foreground, the ghosts of the old ballplayers are working out on Costner's ballfield. Listen to the first processor for a few moments and then switch quickly to the second one. You should hear the stars' conversation plainly enough, but you should also be able to hear—"in front" of that conversation—the chatter of the players, the whizz of the ball hurtling through the air, and the thump of the ball as it hits the players' mitts.

Focus in on specific aspects of the soundtrack and switch back and forth between the processors. Which one is doing a better job of reproducing these disparate sounds naturally? Which one is tying these sounds more accurately to the on-screen visuals? Isolate the dialogue from the sound effects—is it appearing to come from the right characters at the right time? Are the shouts of the players intruding on the stars' conversation, or are they suitably muted

Video

There are a number of necessities on the video side of the equation, too. As mentioned, experts agree that you need a minimum screen size of 27 inches to really get the impact associated with a topnotch home theater. As with power amplifiers, though, more is generally better—which explains why more and more people are deciding to go with big-screen projection TVs. Beyond the size question, projection TVs also deliver an experience more like a theater, for two reasons: First, they use actual screens instead of picture tubes to display pictures. Second, the screens produce far less light than picture tubes do.

and positioned? In short, which system makes you think you're standing on a farm in Iowa?

If you hear drastic differences between the processors, doublecheck to see that all the system parameters are identical and that the levels are accurately balanced. Any differences you hear really should be subtle.

If you're able to hear differences between the pricey and budget processors (and can hear them reliably, without doubt), your next move should be to compare two processors in your price range. Repeat the procedure outlined above with different scenes, discs, and processing modes and jot down your findings on a piece of paper. One processor might do a better job with movies, say, while the other might excel with music. Then tally up your findings and consider how you'll be using the processor. If you'll be spending most of your time enjoying movies encoded with Dolby Surround, for example, go with the processor that sounded the best in the Dolby Pro Logic mode.

Please note that the power of suggestion can be very strong. You may be more loyal to one brand name than another. You may feel that the more expensive model should do a better job. Or you may be more impressed with the processor that offers the most processing modes or user-adjustable parameters. For this reason, tell the salesperson to keep the identity of the processors—and his own opinions—secret until the end of your experiment. If you do, and if all other things are equal, the comparison should be a fair one and your conclusions will be valid. And don't worry if your conclusions are inconclusive—most people don't even try.

—M.H.

Potential downsides: Some screens don't look very good unless you're sitting directly in front of them, and still others don't produce enough light and are easily washed out by the room's ambient light. Projection TVs are usually pretty expensive, too, starting in the \$2,000 range. Tube TVs are available in 35- and even 40-inch sizes, though, so you have options if you want to go big. Fortunately, the differences between tube TVs and projection TVs will be immediately apparent even during an in-store demonstration. Compare the two types using a program you're familiar with. Remember that you're probably going to be staring at one of them every day for a long time, so take your time and go with the one that looks best to you.

Whichever type you choose, the TV set should also be a stereo model; you can route the stereo audio output of other video sources directly to your A/V receiver or amp/processor combo, but the TV itself has to be a stereo model if you want to enjoy broadcast and cable programs in true surround sound.

Likewise, your VCR should be a so-called "Hi-Fi" model. Hi-Fi VCRs reproduce stereo audio of a quality that falls somewhere between a very good audio cassette deck and a CD player, and they'll help the videotapes you rent and/or buy to sound their very best. Hi-Fi VCRs sound so good that some people even use them to make audio-only tapes. "Super VHS" is really a videophile subformat, since virtually no video stores rent Super VHS movies.

Movie buffs keen on the idea of creating a legacy should seriously consider the videodisc format. Videodisc pictures look better than broadcast or cablecast pictures or those produced by VCRs, and their soundtracks usually sound every bit as good as CDs. Like CDs, videodiscs also offer programming options, almost instantaneous scanning, and no rewinding or fast-forwarding. Special effects like frame-by-frame analysis and variable forward and reverse slow motion are often on tap. Many videodiscs are also offered in special "widescreen" versions, which preserve the "aspect ratio," or shape, of the picture as it was seen in the theater (a wide rectangle, rather than the squarish shape familiar from TV). And because the discs are read by a laser, there's very little opportunity for degradation, which means they should last a very long time. Thus, they are the best source possible—in terms of pure performance—for your home theater.

While few video stores rent videodiscs and most discs cost between about \$30 and \$45, there's no law that you have to collect hundreds of them. Imagine a nice family library of pristine videodiscs—*Aladdin*, *Snow White and the Seven Dwarves*, *E.T.*, *The Wizard of Oz*, *Home Alone*, and *Beauty and the Beast*. How about an action pack consisting of *The Terminator*, *Terminator 2: Judgment Day*, *Lethal Weapon*, *Under Siege*, *Die Hard*, and *Cliffhanger*? Or a sci-fi set: *Star Trek II: The Wrath of Khan*, *Alien*, *Blade Runner*, *2001: A Space Odyssey*, *Brazil*, and *Star Wars*? If having your favorite movies on hand to watch and enjoy any time you want sounds like a great idea, collecting videodiscs is the only way to go.

The most convenient option offered by some videodisc players—and one well worth paying for—is the ability to play both sides of a disc without your having



▲ Polk's CS350LS center speaker (\$450) should kick out a lot of sound with even modestly powered amps.



◀ Kipsch's SW10 powered subwoofer (\$749) has a 10-inch driver, a 12-inch passive radiator, and a 100-watt power amplifier.



▲ Carver's DPL-20 surround-sound processor (\$380) offers Dolby Pro Logic, HALL, and synthesized-stereo modes; delay can be set to 20 or 30 milliseconds.

▼ Panasonic's LX-600 combi-player (\$800) offers double-side play and shuttle rings on both the front panel and the remote control.



**MOST OLDER
SPEAKERS
DON'T HAVE
MAGNETIC
SHIELDING.**

to get up and turn the disc over. (You'll still have to get up, of course, if you're enjoying a multidisc set.) The one potential downside is that this feature adds a number of moving parts to the equation and, as always, more parts equals a greater chance for a breakdown.

Speakers

As mentioned, the minimum speaker array in a home theater consists of two front speakers and two rear, "surround" speakers. If your processing component decodes Dolby Pro Logic signals, you should add a center-channel speaker to the mix. In addition, many systems employ one or two subwoofers, since the other speakers in the system are usually incapable of producing very low frequencies. Note that you may not need a subwoofer if you've decided to use the large speakers from your stereo system here; if this is the case, use them as the front left and right speakers.

One good reason to get three new speakers for the front channels concerns magnets. Every speaker in

creation uses magnets to reproduce sound, and those magnets typically interfere with the pictures displayed by TVs. Manufacturers have begun to build in "shielding," which prevents the magnets from wreaking havoc, but most older speakers don't have it. If you're wondering whether you can use your old speakers as your home theater's main models, simply place them next to your TV when it's turned on; if the picture distorts, you have a problem. You can limit this interference by moving the speakers further from the TV—but if you move them too far, you may spread the sound out too much and destroy the illusion of reality the system attempts to create.

No matter what you decide to do with your current speakers, don't underestimate the importance of the role your center-channel speaker will play. Consider that it will be handling the majority of a film's soundtrack. High-quality center channels are available from just about every name-brand speaker manufacturer. If you find yourself using a receiver or amp that delivers less power to the center channel than to the front left

The THX Option

Ask a videophile or salesperson about "the ultimate" home theater and you might be regaled with tales of systems bearing the "THX" designation. THX—jokingly referred to as "Tomlinson Holman's Experiment," after its developer, but actually taken from the cult science-fiction movie THX 1138—is not a specific product. Rather, it's an extensive set of audio performance standards. Originally established for soundtrack reproduction in THX-approved movie theaters starting in 1983, the standards were created by a division of Lucasfilm Ltd., the movie and production company founded by George "Star Wars" Lucas (who also directed THX 1138).

Holman and cohorts based their work on the criteria used to monitor a movie's soundtrack at the all-important dubbing stage. Their goals included improving the intelligibility of dialogue, doing a better job of tying sounds to corresponding visuals, delivering high-

quality sound to every seat in a theater, smoothing out frequency response, and increasing both the frequency and dynamic ranges.

Their work on THX theaters was deemed successful, and Lucasfilm Ltd. eventually adapted its standards for use in home-theater systems that utilize Dolby Pro Logic surround sound. Home THX components, the first of which appeared in 1990, are sold by manufacturers that have had their products approved by THX and have paid a licensing fee. These products bear the THX logo. To date, almost 30 companies have signed on as licensees, with relatively budget-friendly packages from Technics, Kenwood, and Altec Lansing rubbing shoulders with high-end packages from Lexicon, B&W, Velodyne, Fosgate-Audionics, and others. Even speaker wire and interconnects have gotten in on the act. When you see the THX logo, you're getting a seal of approval from Lucasfilm Ltd.

What, specifically, does that entail?

Lexicon's CP-3 surround processor (\$2,995)

The fine print on the standards is too lengthy to cover here, but we can give you some broad strokes. THX has the same goals for home systems as it does for theaters. To achieve them, processors must incorporate "re-equalization" circuitry, which compensates for the acoustics of the room in which your home theater will play. Speakers must meet criteria for dispersion, frequency range, and sensitivity, to name a few. Amplifiers must deliver a minimum of 100 watts to each channel, and six channels must be on tap.

THX prices are steep, though they are coming down. The price for a complete amp/processor/speaker package (minus a source, like a videodisc player, and a monitor, like a projection TV) has just dropped below the \$4,500 mark, thanks to electronics from Kenwood and speakers from Boston Acoustics. On the high side, JBL's Synthesis One system, which includes a sophisticated video projector, costs about the same as a half-dozen fully loaded Ford Escorts. And there are plenty of stops in between.

As with any electronics purchase, we advise you to look before you leap. Have a salesperson explain all the ins and outs of the THX standard. Then conduct a careful comparison of a THX system and a similarly priced system that doesn't wear the THX logo—if you're contemplating a minimum purchase over \$4,000, you deserve all the explanations and demonstrations you desire.

—M.H.



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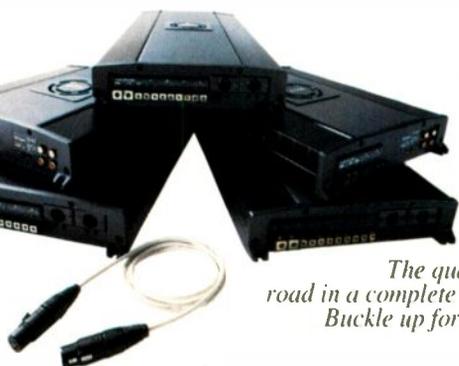
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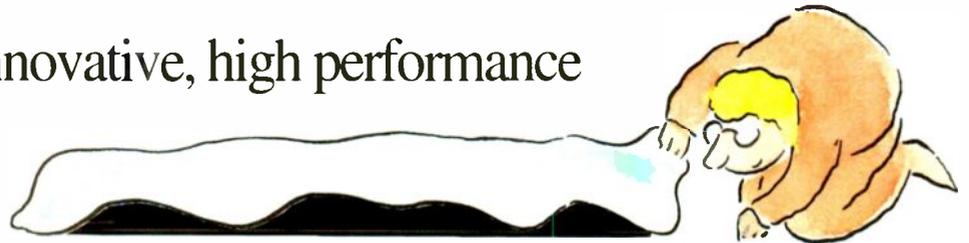
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**YOUR ROOM
USUALLY
DICTATES
THINGS WHEN
IT COMES TO
POSITIONING
SPEAKERS.**

and right channels, look for a speaker with an efficiency rating (measured as sensitivity, in dB SPL) in the low 90s; this should help make up the power deficit.

There's been some lively debate on this topic, but it's still safe to say that your rear speakers don't need to be as big or as expensive as your other speakers. The reason is that surround-sound signals typically fall in the middle of the audible spectrum and are usually fairly low in level. As filmmakers find more creative ways to use the surround channel, however, the demands on speakers that handle surround signals are increasing. (Dolby Stereo Digital, a movie-theater surround format that will ultimately make the jump to home theater, uses two discrete, full-range surround channels.) As with all speaker purchases, utilitarian considerations come into play. In many living rooms, it's just not possible to position big rear speakers where they need to be. Often, in-wall or plain bookshelf speakers mounted on the wall handle the surround chores. And that's fine.

If you need or want a subwoofer, know that they are available in two basic flavors—passive and powered. Passive subs need to be powered by one or more amplifier channels, while powered subs have a built-in amplifier. You may need two subwoofers if your home theater will reside in a very large room or if you want to live on the edge and create enough rumble to demolish your home.

The output of a subwoofer is supposed to be nondirectional; if it is, you won't be able to pinpoint its location simply by listening to it. This is important, since subwoofer cabinets tend to be large and unsightly—you can hide a nondirectional model behind a couch or drapes, under a coffeetable, or what have you. To determine whether a sub is nondirectional, you'll need to do some experimenting. Some experts turn off the satellites and listen to the subwoofer alone—with their eyes closed—to see whether they can tell if the

sound seems to come from "everywhere." Even if you can pinpoint the location of the subwoofer when the satellites are turned off, understand that higher bass frequencies from the satellites can trick you into thinking that deep bass notes are also coming from them. So be sure to listen to the subwoofer and the satellites together. Obviously, if the subwoofer is physically centered between the front left and right speakers, it will sound more-or-less correct, regardless of its directionality. Therefore, it's important to move the sub well to the side or behind your listening position before evaluating it.

Note that better powered subwoofers let you vary the frequency at which they begin to operate. This "cutoff point" is what dictates the sub's directionality—and how well it integrates with the other speakers. With some experimentation, and maybe a little help from an experienced salesman, you should be able to choose a cutoff frequency that allows the sub to mesh well with the system and remain "invisible."

No matter what your situation, there's probably a time-saving multiple-speaker package that's right for you. There are six-piece sets with front, rear, and center speakers plus a subwoofer, five-piece packages without the subwoofer, three-piece center-and-rear packages, four-piece center/rear/sub packages, and so on. These prepackaged systems are certainly worth checking out—particularly if you're on a budget.

Auditioning speakers for a home theater is similar to the task of picking audio-only speakers, though you should do the auditioning with movies, a variety of music videos, and audio-only CDs or tapes. Many experts recommend that the three front speakers (left, center, and right) should come from the same manufacturer. The rationale is that they'll share similar sonic characteristics (which may or may not turn out to be the case), thereby providing a more believable sound.

There's plenty of logic to this thinking, and there's really no reason it shouldn't be extended to the other speakers in the system. You can listen to speakers from the same manufacturer and its competition to see how great the difference is between them. If you listen carefully (and it's a fair demonstration), you really should be able to hear a difference. The bottom line is that if you opt to keep your old speakers, don't have any major reservations about adding a center channel from a different manufacturer if that's all that's available. If



▲
Marantz's SR-82 A/V receiver (\$849) has five channels of amplification.



◀ Allison's MS-200 satellites (\$260 a pair), MS-W4 subwoofer (\$210), and MS-202 center speaker (\$180).



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you choose to replace all three front speakers, it's a good idea to stay with one brand whose speakers really do have similar tonal qualities.

When selecting new speakers for your home theater, use the same criteria you would when selecting speakers for music listening. Are they within your budget? Do they sound good reproducing acoustic and electric music? Do vocals sound lifelike? Have you compared them to other models in your price range?

Basically, home theater just adds an extra dimension. Make sure you audition the speakers you've chosen doing all of the jobs you're buying them to do. If your salesperson can't arrange to demo the speakers in a home-theater setting, consider finding a dealer who can. (You'll know you've found the right store when your salesperson has no trouble honoring every one of your requests—as long as they're reasonable.) And make sure you try a few different soundtracks—some subtle, some intense.

The Setup

More often than not when it comes to positioning speakers, your room will dictate things. In a perfect world, your seat should be directly in front of and several feet from your TV set. The front left and right speakers should be situated on either side of the set, with their drivers at ear level. You can refer to the manufacturer's instructions regarding distance from the wall and optimum listening angle, but you should feel free to experiment even if the instructions are for a home-theater—rather than audio-only—system.

Your center-channel speaker should sit either directly above or directly below the TV. In either case, position it as close to the set's front edge as you can so that its output doesn't bounce off the TV.

There are plenty of options when it comes to positioning rear speakers. They can be placed directly behind or to the sides of the primary seating area, or in the room's rear corners. Some experts recommend aiming them at the seating area, while others suggest that you point them away from the seating area, at the rear or side wall, or at the ceiling. Your best bet here is to experiment. Move the rear speakers around until you've achieved a seamless sound. Remember that the objective is to try to make the speaker boxes "disappear"; all that should remain is a three-dimensional sonic image. When you've settled on spots, perform the level-balancing routine.

As mentioned, a nondirectional subwoofer can be positioned anywhere. If it's easy to pinpoint the location of your sub, it really should be placed beneath the center-channel speaker and the TV set, directly between the front left and right speakers. This might be impossible unless the set is sitting on some type of rack or wall unit and you have some space for it. Now you know why some manufacturers are building TV racks and consoles with a subwoofer built into the bottom shelf. Unfortunately, incorrect positioning will draw your attention to the sub's cabinet every time a big bass sound is reproduced through the system, so it's important to do the best you can here.

One thing's certain: Once you get it right, there'll be no going back. ■

Velodyne's ULD-12 powered subwoofer (\$1,295) has a built-in 100-watt amplifier and is rated to go all the way down to 20 Hz; finish options include walnut, oak, and black.



RCA's VR720HF VHS VCR (\$749) has Hi-Fi and VCR Plus+ programming circuitry.



MAD's Model 910 surround-sound processor (\$599) features Dolby Pro Logic decoding and CLUB, HALL, and STADIUM ambience modes; the SUPER STEREO mode adds center-channel fill in an attempt to solidify imaging with stereo recordings.



Sony's MDP-600 combi-player (\$799) features double-side play and a dropout-compensation circuit to minimize specks of video noise.



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Now Cambridge SoundWorks has introduced Ensemble II, a more affordable version of Ensemble using only one cabinet to hold both subwoofer drivers. Ensemble II has joined Ensemble in the ranks of the country's best-selling speak-



The real difference is in the subwoofer.

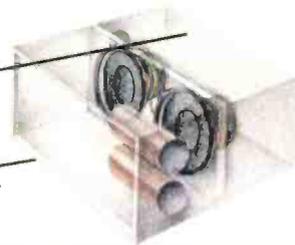
ers. We believe Ensemble II is a better system than its best-known competitor. And because we sell it factory-direct, it's half the price. *Stereo Review* said "Ensemble II performs so far beyond its price and size that it can be compared only with much larger speakers at substantially higher prices." We agree with the writer who said, "It's hard to imagine going wrong with Ensemble." The question is, which Ensemble system is right for you?

The Same Satellite Speakers.

When you listen to either Ensemble system, almost 90% of the music you hear is being reproduced by the satellite speakers. Both Ensemble and Ensemble II use satellite speakers that are virtually identical.* Unlike many competing systems, Ensemble's satellites are true two-way speaker systems, each containing a high performance tweeter and a 4-inch woofer. *Stereo Review* said, "The Ensemble satellites delivered a smoother output than

True acoustic suspension, sealed subwoofer cavity.

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"Ensemble may be the best value in the world."
Audio



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Small (8½" x 5¼" x 4") and unobtrusive, they'll fit into the decor of any room. They're available in scratch-resistant gunmetal grey Nextel, or primed so you can paint them any color you wish.



Ensemble satellite speakers are available primed for painting, so they can match your decor exactly.

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In many rooms, Ensemble II sounds virtually the same as Ensemble, especially when Ensemble's two subwoofers are placed right next to each other. The real difference between the two systems is that Ensemble, with its two ultra-compact subwoofers (12" x 21" x 4½"), gives you *ultimate placement flexibility*.

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Ensemble and Ensemble II are constructed with the very best materials and no-compromise workmanship. Their subwoofers use heavy-duty woofers in true acoustic suspension enclosures. The satellites are genuine two-way systems with very high quality speaker components. Individual crossover networks are

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Cambridge SoundWorks products are available *only* factory-direct. By eliminating the middle-men, we're able to sell Ensemble and Ensemble II for hundreds less than if they were sold in stores.

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Placement of bass and high-frequency speakers in a room—and how those speakers interact with the acoustics of the room—has more influence on the overall sound quality of a stereo system than just about anything. As an alternative to spending hundreds (or thousands) of dollars on this or that "latest" amplifier or CD player design, you should invest some of your time experimenting with various speaker positioning schemes. Ensemble's two ultra-slim (4½") subwoofers give you more placement flexibility than any speaker system we know of (including Ensemble II), and is most likely to provide the performance you want *in the real world...in-your room.*

How To Order.

The dual-subwoofer Ensemble system is available in two versions. With handsome black-laminate subwoofers for \$599. Or with black vinyl-clad subwoofers for \$499. Ensemble II is priced at \$399. For more information or to order call our audio experts, 24 hours a day, 365 days a year. We'll send you our 64 page color catalog with stereo and surround sound components and systems from Cambridge SoundWorks, Pioneer, Philips, Denon and others. Because we sell factory-direct, eliminating expensive middle-men, you can save hundreds of dollars.

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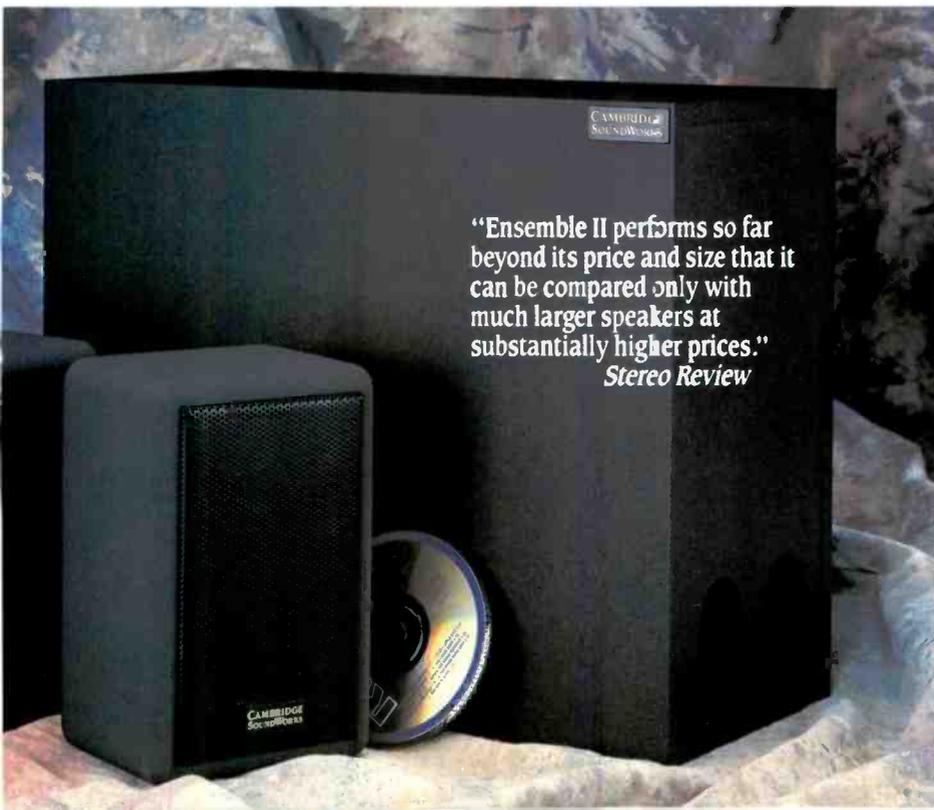
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"Ensemble II performs so far beyond its price and size that it can be compared only with much larger speakers at substantially higher prices."

Stereo Review

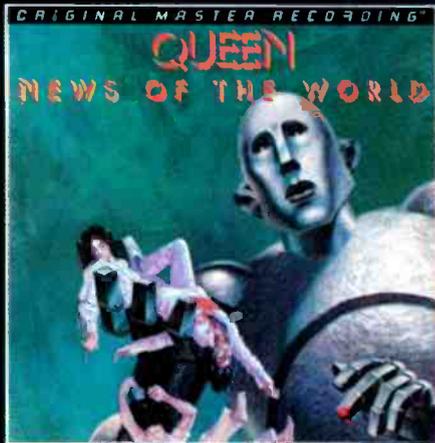


ORIGINAL MASTER RECORDING™

ULTRADISC II™

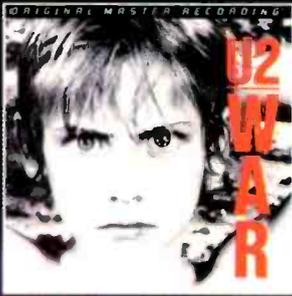


UDCD 533

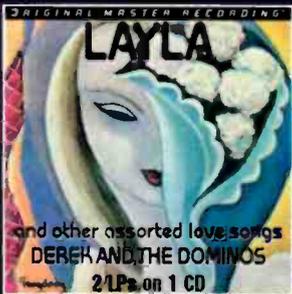


NEW RELEASE UDCD 586

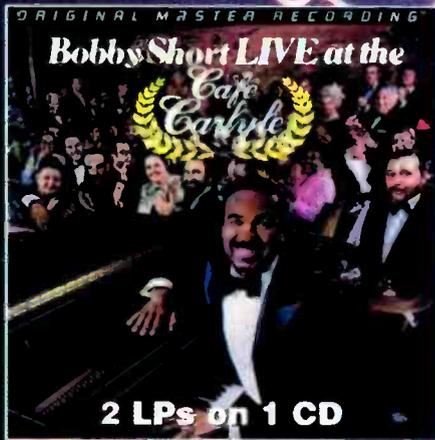
Queen will rock you on *News of the World*, the British band's 1977 hit album. Proceeds from sales of this title will be donated to the Mercury-Phoenix Trust, established to fund research for a cure for AIDS.



UDCD 571



UDCD 585



NEW RELEASE UDCD 589 (2-1)

An institution in N.Y.C. cafe society, Short's knowledge of standards is boundless. This 1974 set, a two-on-one-CD Mobile Fidelity exclusive is living proof.



UDCD 587

NATURE'S ENCORE

It takes time to make music sound its absolute best, an art Mobile Fidelity Sound Lab has been perfecting for the past 15 years. Beginning with the original master tape, we combine our proprietary mastering technique with the dedication, time and unwavering attention to detail that defines a true original, ULTRADISC II. The original limited edition, 24-karat gold audiophile compact disc.



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STEREO

BUYER'S GUIDE 1994



WELCOME to the world's most complete listing of stereo and audio-for-video components and accessories. In the following 190 pages, you'll find detailed information on features plus performance specifications 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 206.

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ADCOM

GDA-600 D/A Converter

Features low-jitter design; Class A analog circuitry. 2 coaxial digital inputs; 1 Toslink fiber-optic input; 1 xLR AES/EBU digital input; digital output. 17 x 3½ x 10¾ in; 12.5 lb \$750

GCD-600 5-Disc CD Changer

8x oversampling, dual 16-bit D/A converters, 5-disc carousel. Features dual-transformer power supply; Class A analog output circuitry. Selectable digital-domain phase inversion; remote control. S/N 105 dB. 17 x 4½ x 15½ in; 13 lb \$600

AIWA

CSD-EX5 Portable CD System

Features front-loading CD player with motor-driven tray, 20-track programming; autoreverse cassette deck with synchro CD dubbing, metal-bias selector; digital AM/FM tuner with 24 station presets; dynamic bass boost; 2 speakers; clock/timer; illuminated LCD; headphone jack; remote control. Operates on 8 D batteries or 120/240-V AC. 18½ x 5¾ x 8 in; 9.3 lb without batteries \$400

CA-DW550 Portable CD System

Features front-loading CD player with 20-track programming, repeat play; double cassette deck with normal/high-speed tape dubbing; digital AM/FM tuner with 24 station presets; 5-band graphic EQ; two detachable 2-way bass-reflex speakers; line-level input; memory backup; clock; wireless remote control. Operates on 8 D batteries or 120/220-V AC. 24½ x 12 x 9¾ in; 15.9 lb \$350

CSD-SR300 Portable CD System

Features top-loading CD player with 20-track programming; double cassette deck with one transport record/play, other transport play-only, 2-cassette sequential play, normal/high-speed tape dubbing, metal-bias compatibility; digital AM/FM tuner; dynamic bass boost; tone control; auto loudness; clock/timer. 2 speakers. Operates on 8 D batteries or 120/240-V AC. 23 x 6 x 9¾ in; 10.6 lb \$250

CSD-EX30 Portable CD System

Features top-loading CD player with 20-track programming, repeat; autoreverse cassette deck with synchro CD dubbing; analog AM/FM tuner; tone control; 2 speakers; headphone jack; LCD. Operates on 8 C batteries or 120-V AC. 16¼ x 6 x 8½ in \$200

CSD-EX10 Portable CD System

Features top-loading CD player with 20-track programming, repeat; cassette deck with synchro CD dubbing; analog AM/FM tuner; tone control; 2 speakers; headphone jack; LCD. Operates on 8 D batteries or 120-V AC. 15¾ x 5¾ x 7¾ in; 7.3 lb \$175

CSD-EX03 Portable CD System

Features top-loading CD player; cassette deck; analog AM/FM tuner; tone control; 2 speakers; headphone jack; LED indicator. Operates on 8 C batteries. 11¼ x 6½ x 9½ in; 7.7 lb without batteries \$150

AMC

CD6 CD Player

1-bit D/A converter. Interpolating digital filter; 4-pole Butterworth filter. Fiber-optic and coaxial digital outputs. FR 10-20,000 Hz ± 0.1 dB; THD 0.004% at 1,000 Hz; S/N 96 dBA; ch sep 90 dB \$600

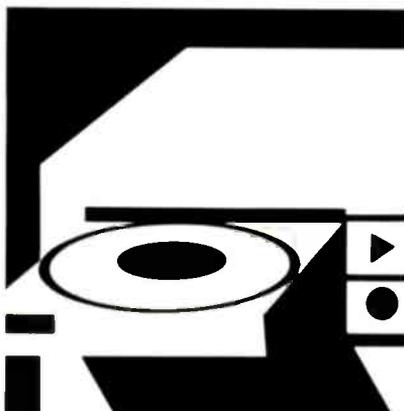
ARCAM

Delta 250 CD Transport

Features dedicated power supplies and separate transformer. SL fiber-optic input; 2 RCA and 1 BNC 75-ohm coaxial outputs; Toslink fiber-optic output. Remote control. 14 lb \$2,500

Delta 270 CD Player

Dual 16-bit D/A converters. Remote control. FR 10-



10,000 Hz ± 0.1 dB; THD 0.005% at 1,000 Hz; S/N 103 dB; dynamic range 96 dB; ch sep 90 dB at 1,000 Hz. 17 x 3½ x 11 in; 8 lb \$1,600

Alpha 5 CD Player

Dual 16-bit D/A converters. Remote control. FR 10-10,000 Hz ± 0.1 dB; THD 0.007% at 1,000 Hz; S/N 105 dB; dynamic range 96 dB; ch sep 90 dB at 1,000 Hz. 17 x 3 x 10 in; 8 lb \$899

Black Box 50 D/A Converter

18-bit D/A converter. Includes fiber-optic cable. FR 1-20,000 Hz ± 0.2 dB; THD 0.005%; S/N 103 dB; dynamic range 108 dB. 17 x 3 x 11 in; 8 lb \$899

AUDIOLAB

Model 8000D D/A Converter

Bitstream D/A converter. Upgradable modular design; linear-phase analog output filters; 9 power supplies. 1 balanced AES/EBU, 3 Toslink fiber-optic, and 3 coaxial-BNC inputs; 1 digital BNC and 2 RCA outputs. FR 2-20,000 Hz ± 0.5 dB; S/N 100 dB \$1,295

AUDIO NOTE

DAC4 D/A Converter

No oversampling, dual 20-bit Burr-Brown PCM63P D/A converters. Features individually adjusted linear-phase filters; no-feedback shunt-regulated push-pull valve output stage. 3-yr warranty \$7,495

DAC3 D/A Converter

8x oversampling, dual 20-bit K series Burr-Brown PCM63P D/A converters. Features 6N pure-copper Litz analog-signal-path wiring; 4N pure-silver Litz wire for sensitive portion of signal path; no-feedback shunt-regulated push-pull valve output stage using one 6922 double triode per channel; separate analog and digital power supplies \$2,995

DAC2. As above. J series Burr-Brown D/A converters. Without silver wiring \$1,895

DAC1. As DAC2, lower output \$1,195

AUDIO RESEARCH

DAC2-20 D/A Converter

8x oversampling, 20-bit D/A converter. Features 3 separate power transformers; multiple discrete regulators; J-FET input transistors; bipolar output devices; AC power filter. FR 0.01-20,000 Hz ± 2 dB; S/N 100 dB. 19 x 5¼ x 10¼ in; 12 lb \$3,495

AUDIOSOURCE

CDCelver 6-Disc CD Changer/Receiver

4x oversampling, 6-disc magazine. Combines AM/FM receiver and CD changer. Video inputs; tape and processor loops; 2 sets of speaker outputs; headphone jack; AC outlet. 32-track programming per magazine; program memory for up to 10 magazines; random play; 8 AM/18 FM presets with scan; bass, midrange, and treble controls; AB speaker switching;

remote control. 30 W x 2 Into 8 ohms from 20-20,000 Hz with 0.4% THD. CD: FR 20-20,000 Hz ± 0.5 dB; S/N -98 dB. FM: cap ratio 1.75 dB; S/N 76 dBA mono; ch sep 45 dB. 17 x 4¾ x 14 in \$500
CDCelver 1.1 System. Above with two VS Three speakers \$600

BANG & OLUFSEN

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. Track 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. 16½ x 3 x 12¾ 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. Track 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. 16½ x 3 x 9¾ in; 9.9 lb \$900

CALIFORNIA AUDIO LABS

Genesis CD Player

1-bit MASH D/A converters. Features all digital electronics on computer-grade plug-in module; discrete FET analog stages with balanced output. Fiber-optic output \$1,995

System One D/A Converter

Accepts one of four plug-in D/A-conversion modules (listed below). Features 14 separate power supplies; digital servo control; discrete FET output. Coaxial RCA and EIAJ fiber-optic digital inputs; balanced AES/EBU, Toslink fiber-optic, and coaxial outputs. Remote control. AT&T ST fiber-optic output optional. FR 10-20,000 Hz; THD 0.008%; S/N -102 dB. 18½ x 6 x 12½ in; 16 lb \$1,995

MASH V. Plug-in D/A-conversion module provides 64x oversampling, hybrid 1-bit D/A conversion, 20-bit input, and 20-bit output for above \$1,500

INDUS. Plug-in D/A-conversion module provides 8x oversampling and one 20-bit D/A converter for System One. Ch sep 98 dB \$650

CAELUM. Plug-in D/A-conversion module provides 8x oversampling and one 18-bit D/A converter for System One. Ch sep 96 dB \$350

MASH IV. Plug-in D/A-conversion module provides 1-bit D/A converter for System One \$200

Alpha Tube D/A Converter

1-bit delta-sigma D/A conversion. Features dual 12AX7-tube discrete analog stage; 18-bit resolution; 8 regulated power supplies. AES/EBU, coaxial, AT&T ST, and Toslink inputs. Standby power mode. FR 5-22,000 Hz ± 0, -0.5 dB; THD 0.005%; S/N 100 dB; ch sep 80 dB. 8½ x 4¾ x 12½ in; 101 lb \$1,495

Terzet 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; EMI filter. Plug-in coaxial or fiber-optic digital output. Remote control. FR 5-22,000 +0, -0.5 dB; THD 0.01% at 1,000 Hz; S/N 103 dB; dynamic range 106 dB; ch sep 91 dB \$1,495

Icon MkII CD Player

8x oversampling, 18-bit hand-trimmed D/A converters. Features 5 regulated power supplies; 24-bit digital filter; FET input; EMI filter. Plug-in coaxial or fiber-optic digital output. Remote control. FR 5-22,000 +0, -0.5 dB; THD 0.005% at 1,000 Hz; S/N 95 dB; dynamic range 105 dB; ch sep 91 dB \$895

Delta CD Transport

Features digital servo control; 6 regulated power

supplies. Balanced XLR, Toslink fiber-optic, and coaxial-digital outputs. Remote control. AT&T ST fiber-optic output optional. 8½ x 4¾ x 1½ in \$895

Sigma II Tube D/A Converter

1-bit delta-sigma D/A conversion. Features 12AX7-tube discrete analog stage; 18-bit resolution; 7 regulated power supplies. Toslink fiber-optic and coaxial digital inputs. Standby mode. FR 20-20,000 Hz +0, -0.5 dB; THD 0.015% at 1,000 Hz; S/N 103 dB; dynamic range 101 dB \$750

DX-1 CD Player. 1-bit D/A converter. Digital output. Remote control \$495

CAMBRIDGE AUDIO

CD3 CD Player

16x oversampling, eight 16-bit D/A converters. Features suspended die-cast aluminum chassis and transport mechanism; toroidal transformer; discrete power supplies for digital and analog stages; no analog filtering stage. Fiber-optic digital output. 20-track programming; 3-speed search; track/index search; 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

The Round Table CD Transport

Nonresonant ceramic case, symmetrically damped suspension; isolated circuitry. Coaxial, Toslink fiber-optic, and AT&T fiber-optic outputs. Repeat, random play; intro scan; remote control. 67 lb \$1,995

Arthur D/A Converter

1-bit PDM D/A converter. Features user-replaceable internal rechargeable-battery power supply; 2nd-order noise shapling; 3-stage linear phase filter; low-jitter data demodulator; independent voltage regulation. Coaxial input; Toslink fiber-optic input; actively buffered coaxial output; demodulated expansion port. Selectable phase inversion. Includes proprietary digital cable. AT&T fiber-optic connector optional. FR 20-20,000 Hz ±0.15 dB; S/N 95 dB; ch sep 85 dB. 2-yr warranty \$1,195

CARRERA

CD-3400R 6-Disc CD Changer

4x oversampling, dual 16-bit D/A converters, 6-disc magazine. Line-level outputs; headphone jack. Track/disc elapsed-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. Direct track access; random play; music calendar; remote control. FR 20-20,000 Hz; THD 0.0004%; S/N 100 dB. 17 x 3¼ x 12 in; 9.9 lb \$200

CARVER

SD/A-370 10-Disc CD Changer

1-bit D/A converter, 10-disc magazine. Headphone jack with volume control. Tape edit; 32-track programming; intro scan; all-disc random play; track/disc skip, scan, and repeat; music calendar; FL display; remote control. Frequency response 5-20,000 Hz ±0.5 dB; total harmonic distortion 0.005%; S/N 100 dBA. 19 x 4¾ x 14¾ in \$700
TLM-10. 10-disc magazine for above \$35

SD/A-490T Tube CD Player

1-bit D/A conversion. Features two 6DJ8 tubes in output 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; THD 0.5%; S/N 100 dBA. 19 x 3¼ x 12¼ in; 9 lb \$700

SD/A-390t 5-Disc Tube CD Changer

1-bit D/A converter, 5-disc carousel. Two 6DJ8 vacuum tubes; proprietary Soft EQ circuitry designed to correct tonal balance and restore missing ambience information for CDs originally recorded as LPs. Fixed and variable line-level outputs; coaxial digital output; headphone jack with volume control. Nonvolatile output-level memory for 100 discs; ability to change 4 CDs while 5th plays; 5 repeat modes; one/all-discs and program random-play modes; 20-track programming; FL display; remote control \$700

SD/A-450 CD Player

1-bit D/A converter. Coaxial digital output. Variable-length fade; tape edit; 24-track programming; random play; 4 repeat modes; track skip/scan; music calendar; remote control. Frequency response 5-20,000 Hz ±0.2 dB; total harmonic distortion 0.002%; signal-to-noise ratio 100 dBA. Dimensions: 19 x 3¾ x 12½ in; weight: 9 lb \$500

SD/A-360 5-Disc CD Changer

1-bit D/A converter. Features 3-beam laser pickup. Coaxial digital output. Ability to change 4 CDs while 5th plays; 32-track programming; random play; 4 repeat modes; remote control \$400

SD/A-350 5-Disc CD Changer

1-bit D/A converter, 5-disc carousel. Coaxial digital output; headphone jack. Ability to change 2 discs during play; 20-track programming; 3 repeat modes; random play; direct track/disc access; music calendar; remote control. Frequency response 5-20,000 Hz ±0.5 dB; total harmonic distortion 0.002%; S/N 100 dBA. Dimensions: 19 x 5¼ x 15½ in \$400

SD/A-410 CD Player

1-bit D/A converter. Coaxial digital output; headphone jack. 16-track programming; 3 repeat modes; random play; track skip/scan; music calendar; remote control. Frequency response 5-20,000 Hz ±0.5 dB; total harmonic distortion 0.004%; signal-to-noise ratio 100 dBA. Dimensions: 19 x 4 x 12 in \$280

CELLO

Series 8 DAC D/A Converter

Features VLSI circuits. Fischer 3-pin balanced line connectors. Clock rate 28-55,000 Hz \$5,000
Series 8 PS. Power supply for above \$1,000

CONRAD-JOHNSON

Premier Nine Tube D/A Converter

Features 20-bit sampling; Class A tube analog circuitry. RCA, BNC, Toslink, and AT&T inputs; digital output. Switchable phase inversion. THD 0.05%; S/N 92 dB. 19 x 3½ x 14 in; 30 lb \$3,495
D/A-1. As above, all solid-state electronics. 25 lb \$1,695

COUNTERPOINT

DA-10 D/A Converter

Choice of Analog Devices, Crystal Semiconductor, Philips, or UltraAnalog D/A-converter card. Features discrete analog and current-to-voltage sections; MSB adjustment; digital phase inverter; 3rd-order Bessel filter. Two digital tape loops; 6 digital inputs. AT&T fiber-optic output optional. FR 1-100,000 Hz; THD 0.01%. 19 x 2¼ x 10½ in \$1,495

DA-11 CD Transport

Features front-loading aluminum mechanism; low-jitter master clock. ST glass fiber-optic, Toslink fiber-optic, and AES/EBU balanced outputs; direct and float-ed BNC electrical outputs. Track scan/search; repeat; pause. Black or silver finish. 3-yr warranty \$1,295

CREEK

CD60 CD Player

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

DAC 60 D/A Converter

8x oversampling, 20-bit D/A converter. Features toroidal transformer with isolated analog and digital power supplies \$1,295

DENON

DP-S1 CD Transport

Mates with DA-S1 D/A converter. Features 3 levels of acoustic/mechanical isolation including acoustically sealed disc-loading door; chassis machined from solid cast-aluminum block; ruby bearings for turntable spindle; mass magnetic disc-clamping system with Teflon. Coaxial RCA, coaxial BNC, AT&T ST-Genlock fiber-optic, Toslink fiber-optic, and balanced AES/EBU digital outputs \$8,000

DA-S1 D/A Converter

8x oversampling, eight 20-bit D/A converters. Mates with DP-S1 CD transport; accepts Level I and Level II digital data at all 3 standard sampling rates. Features proprietary ALPHA processor to recover 20-bit data from CDs; 20-bit professional-grade digital filter with 117-dB of stop-band rejection. Coaxial BNC, balanced AES/EBU, coaxial RCA, Toslink fiber-optic, and AT&T ST-Genlock fiber-optic digital inputs; single-ended analog outputs. FR 2-20,000 Hz ±0.2 dB; THD 0.0018%; S/N 120 dB; dynamic range 100 dB; ch sep 120 dB at 1,000 Hz \$7,000

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; LC-OFC analog filters; optical isolation between digital and analog stages; separate power transformers, power supplies, and circuitries 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; headphone jack with volume control. Direct track access; 20-track programming; Index/time search; 3 repeat modes; auto space; auto edit; FL display with 4-step dimmer and music calendar; Denon IS-system remote-control compatibility; remote control. FR 2-20,000 Hz ±0.2 dB; THD 0.0015%; S/N 120 dB; dynamic range 100 dB; ch sep 110 dB. Champagne-gold finish with polished wood case \$2,000

DCD-2700 CD Player

8x oversampling, four 20-bit D/A converters. Features proprietary ALPHA processor to recover 20-bit data from CDs; MSB-linearity converter adjustments; 20-bit digital filter; linear-motor pickup-drive system. Fiber-optic and coaxial digital outputs; headphone jack with volume control. Digital pitch control; multiple tape-edit modes; digital fader; peak-level search; 20-track programming; normal/program random play; 3 repeat modes; remote volume control; direct track access; auto space; timer; FL display with 3-step dimmer and music calendar; Denon IS-system remote-control compatibility; remote control. FR 2-20,000 Hz ±0.2 dB; THD 0.0018%; S/N 117 dB; dynamic range 100 dB; ch sep 110 dB at 1,000 Hz \$1,200

LA-3100 Combi-Player

8x oversampling, dual 20-bit ladder-type D/A converters. Plays CDs and videodiscs. Features 20-bit digital filter. Coaxial digital output. Dual-side videodisc play; direct track access; highlight scan; random play; 20-track programming; front-panel and remote jog/shuttle; soft-picture and visual-intro modes; electronic volume control; music calendar; Denon IS-system remote-control compatibility. FR 4-20,000 Hz ±0.2 dB; THD 0.0018%; S/N 115 dB; dynamic range 99 dB \$1,200

LA-2100 Combi-Player

8x oversampling, dual 20-bit D/A converters. Plays CDs and videodiscs. Dual-side videodisc play; front-speaker surround mode; movie-ambience film mode; auto disc-type selection; one-song-pause karaoke function; video intro scan; audio highlight scan; 24-

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

track programming; random/repeat play; digital level control; shuttle control; defeatable display with music calendar; Denon IS-system remote-control compatibility. FR 4-20,000 Hz \pm 0.2 dB; THD 0.0025%; S/N 113 dB; dynamic range 98 dB \$800

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; digital fader; peak search; index search; 20-track programming; 2 random-play modes; remote volume control; direct track access; 3 repeat modes; tape edit; auto space; timer play; 3-step display dimmer; music calendar; Denon IS-system remote-control compatibility; remote control. FR 2-20,000 Hz \pm 0.2 dB; THD 0.0025%; S/N 110 dB; dynamic range 100 dB; ch sep 105 dB \$550

DCD-695 CD Player

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

DCD-595. As above, without coaxial digital output. S/N 106 dB; ch sep 100 dB \$250

DCP-7D Portable CD Player

8x oversampling. Features switchable digital anti-shock memory; 20-bit digital filter with noise shaping. Headphone and line-level mini-jack outputs. 16-track programming; resume-play and key-hold switches; LCD with switchable backlight. Operates on 2 AA batteries. Includes AC adaptor/charger, rechargeable battery, interconnect cable, and earphones. FR 20-20,000 Hz \pm 0.5 dB; THD 0.09%; S/N 95 dB \$300

CD Changers

Models DCG-330, DCM-520, DCM-440, and DCM-340 feature a drawer-type carousel which allows 4 discs to be changed while the 5th plays.

DN-1200F/C 200-Disc CD Changer/Controller

8x oversampling, dual 20-bit D/A converters, two 100-disc trays. Comprised of DN-1200F 200-disc changer and DN-1200C controller. Changer features 20-bit digital filter; switchable RS-232C/RS422 computer-control interface with 9-pin D-sub connectors. Controller features ability to create and label custom programs; multiple DN-1200F control; random/repeat-play modes; alphanumeric display; remote control. Balanced AES/EBU and unbalanced RCA outputs. FR 2-20,000 Hz \pm 0.5 dB; THD 0.0025%; S/N 110 dB; dynamic range 100 dB \$4,000

DCG-330 5-Disc CD/CD-G Changer

8x oversampling, dual 18-bit D/A converters, 5-disc bidirectional carousel. Plays CDs and CD-Gs. Features NTSC video output; 20-bit digital filter with noise shaping. Digital pitch control; 5 repeat modes; 3 random-play modes; FL display; Denon IS-system remote-control compatibility; remote control. FR 2-20,000 Hz \pm 0.2 dB; THD 0.006%; S/N 102 dB; dynamic range 96 dB; ch sep 98 dB \$500

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 repeat modes; 3 random-play modes; 20-track programming; electronic volume control; synchro play with compatible cassette decks; music calendar; Denon IS-system remote-control compatibility; remote control. FR 2-20,000 Hz \pm 0.2 dB; THD 0.003%; S/N 106 dB; dynamic range 97 dB; ch sep 102 dB \$500

DCM-520 5-Disc CD Changer

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

DCM-440 5-Disc CD Changer

8x oversampling, dual 18-bit D/A converters, 5-disc bidirectional carousel. Features MSB-linearity converter adjustment; noise shaping. Coaxial digital output. Non-volatile favorite-track memory for 100 discs; 5 repeat modes; 3 random-play modes; 20-track programming for each disc; synchro play with compatible cassette decks; remote volume control; direct track access; FL display with music calendar; Denon IS-system remote-control compatibility; remote control. FR 4-20,000 Hz \pm 0.2 dB; THD 0.003%; S/N 107 dB; dynamic range 98 dB; ch sep 100 dB \$430

DCM-340. As above, without digital output, favorite-track memory, music calendar, or remote volume control. S/N 106 dB; ch sep 98 dB \$300

DENONET

LA-2150K Karaoke Combi-Player

8x oversampling, dual 18-bit D/A converters. Plays CDs and videodiscs. Features 20-bit digital filter. 2 A/V outputs; 2 mic inputs; aux input. Vocal eliminator; aux-input vocal reducer; pitch control; mic-echo control; recorder-vocal resume upon pause; direct track access; 20-track programming; remote control. 17 $\frac{3}{8}$ x 5 $\frac{1}{2}$ x 16 $\frac{1}{2}$ in; 23 lb \$1,095

DUAL

CD-5150RC CD Player

4x oversampling, dual 16-bit D/A converters. Features motor-driven disc loading. Digital output; headphone jack. 20-track programming; 3-speed scan; disc/track repeat; random play; remote control. FR 20-20,000 Hz \pm 1 dB; S/N 100 dB; dynamic range 95 dB \$555

CD-1070RC CD Player

8x oversampling, dual 18-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 \pm 0.7 dB; S/N 103 dB \$345

ESOTERIC

P-2s/D-2 2-Piece CD Player

8x oversampling, four 18-bit D/A converters. P-2s CD transport and D-2 D/A converter. Transport features Nextel-coated disc tray; 18-mm-thick-aluminum front panel; brass-and-aluminum-layer turntable; PC-OCC internal wiring; glass-epoxy gold-plated PC boards; van den Hul matched-crystal silver-coated copper wiring; 2 coaxial and 2 fiber-optic digital inputs; coaxial digital output; XLR analog outputs; FL display with dimmer; track/index search; 40-track normal/delete programming; 4 repeat modes. D/A converter features 45-bit digital filter; 3rd-order analog filter; anti-vibration chassis; MOSFET circuitry; digital absolute-phase inverting; muting switch; FL display with dimmer; sampling frequency, emphasis, and operation indicators. Includes remote control with controls for both components. Sampling rates 32,000, 44,100, and 48,000 Hz; FR 0-15,000 Hz \pm 0.3 dB at 32 kHz, 0-20,000 Hz \pm 0.3 dB at 44.1 kHz, 0-22,000 Hz \pm 0.3 dB at 48 kHz; THD 0.0014%; S/N 110 dB; ch sep 110 dB. Transport: 9 x 5 x 19 $\frac{1}{2}$ in; 32 lb. D/A converter: 9 x 4 $\frac{1}{4}$ x 19 in; 28 lb \$7,000

X-1 CD Player

8x oversampling, four 20-bit D/A converters. Features 25-bit digital filter; noise shaping; centered tray orientation; 3rd-order analog filter; solid floating subchassis; bipolar transformer; balanced signal path be-

tween digital and analog circuits. Fiber-optic and coaxial digital outputs. FL display with brightness control; remote control. FR 20-20,000 Hz \pm 0.5 dB; THD 0.0013%; S/N 110 dB; ch sep 110 dB. 18 x 5 $\frac{1}{2}$ 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; digital muting circuit; van den Hul matched-crystal silver-coated copper wiring; double-box chassis. Analog outputs; 2 coaxial and 2 fiber-optic digital inputs; variable unbalanced and balanced XLR and coaxial outputs. Phase-reversal control; sampling-frequency, emphasis, and operation indicators. FR 0-20,000 Hz \pm 0.3 dB; THD 0.0014%; S/N 110 dB; ch sep 110 dB. 19 $\frac{1}{8}$ x 5 $\frac{1}{4}$ x 8 $\frac{7}{8}$ in; 24 lb \$4,000

P10 CD Transport

Features die-cast aluminum turntable; aluminum disc tray with Nextel coating; vibration-damped floating-subchassis suspension; linear laser-tracking mechanism; high-density antiresonant double-construction chassis with die-cast base. Coaxial and fiber-optic digital outputs. Track/index search; 20-track programming; 3 repeat modes; remote control. 17 $\frac{1}{4}$ x 5 $\frac{1}{2}$ x 8 $\frac{7}{8}$ 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 fiber-optic digital inputs; coaxial and unbalanced outputs. FR 0-20,000 Hz \pm 0.5 dB; THD 0.0018%; S/N 100 dB; ch sep 97 dB. 18 $\frac{1}{8}$ x 5 $\frac{1}{2}$ x 8 $\frac{7}{8}$ in; 22 lb \$2,000

P-700 CD Transport

Features 3-beam laser pickup; aluminum turntable; bulk-molding-compound motor bridge and clamping-mechanism base. Coaxial and fiber-optic digital outputs. 20-track normal/delete programming; 4 repeat modes. 9 x 5 $\frac{1}{2}$ x 16 in; 16 lb \$1,500

D-700 D/A Converter

8x oversampling, four 20-bit D/A converters. Features copper-plated rear panel. 2 coaxial and 2 fiber-optic digital inputs; coaxial and unbalanced outputs. Sampling rates 32,000, 44,100, and 48,000 Hz; FR 0-20,000 Hz \pm 0.1 dB at 44,100 Hz; THD 0.0016%; S/N 110 dB; ch sep 110 dB. 9 x 5 $\frac{3}{8}$ x 16 in \$1,350

FISHER

All Fisher CD components feature a 1-yr warranty.

DAC-2403 24-Disc CD Changer

8x oversampling, dual 1-bit D/A converters, 24-disc bidirectional carousel. Features vertical CD loading; 3-beam laser pickup. Ability to classify tracks into 7 preset music categories or 31 programmable categories/subcategories with category search/playback; direct disc access; 48-track programming; intro scan; 5 repeat modes; random play; scrolling 8-character alphanumeric display; control via RS-717, RS-727, or RS-737 receiver remote controls; remote control. THD 0.03% at 1,000 Hz; S/N 100 dB; dynamic range 90 dB; ch sep 80 dB at 1,000 Hz. 16 $\frac{1}{2}$ x 7 $\frac{1}{4}$ x 15 $\frac{1}{2}$ in; 15.4 lb \$500

DAC-503 5-Disc CD Changer

8x oversampling, dual 1-bit D/A converters, 5-disc front-loading carousel. Features 3-beam laser pickup. Tape edit; fader; 32-track programming; intro scan; 4 repeat modes; random play; control via RS-717, RS-727, or RS-737 receiver remote controls; remote control. THD 0.04% at 1,000 Hz; S/N 100 dB; dynamic range 90 dB; ch sep 90 dB at 1,000 Hz. 16 $\frac{1}{2}$ x 5 x 15 $\frac{1}{2}$ in; 14.1 lb \$300

AD-738 CD Player

8x oversampling, dual 16-bit D/A converters. Features 18-bit digital filter; 3-beam laser pickup. Tape edit; 24-track programming; track skip/scan; disc/

program repeat; random play. THD 0.04% at 1,000 Hz; S/N 98 dB; dynamic range 90 dB; ch sep 80 dB at 1,000 Hz. 1 7/8 x 3 1/2 x 10 3/4 in; 6.6 lb \$150

Portable CD Systems

DBRS refers to Fisher's proprietary bass-expansion system.

PH-D380 Portable CD System

2x oversampling, 16-bit D/A converter. Features CD player with 16-track programming, disc/program repeat; double cassette deck with one transport autoreverse play-only, other transport record/play, normal/high-speed tape dubbing, 2-cassette sequential play; digital AM/FM tuner with 24 presets; DBRS; 3 preset EQ curves with variable bass/treble boost; matrix surround sound; two detachable 3-way bass-reflex speakers; line-level CD outputs; headphone jack; LCD, wireless remote control. Operates on 10 D batteries or 120-V AC. 3 2/8 x 10 7/8 x 11 1/4 in; 18.9 lb \$350

PH-D360 Portable CD System

2x oversampling, 16-bit D/A converter. Features CD player with 16-track programming, disc/program repeat; double cassette deck with one transport autoreverse play-only, other transport record/play, normal/high-speed tape dubbing, sequential play; AM/FM tuner; DBRS; 3 preset EQ curves with variable bass/treble boost; matrix surround sound; two detachable 3-way bass-reflex speakers; headphone jack. Operates on 8 D batteries or 120-V AC. 3 2/8 x 10 1/4 x 10 1/2 in; 17.2 lb \$300

PH-D340 Portable CD System

2x oversampling, 16-bit D/A converter. Features CD player with 16-track programming, disc/program repeat; double cassette deck with one transport autoreverse play-only, other transport record/play, normal/high-speed tape dubbing, 2-cassette sequential play; AM/FM tuner; 3 preset EQ curves with variable bass/treble boost; two detachable 2-way bass-reflex speakers; headphone jack. Operates on 8 D batteries or 120-V AC. 3 1/8 x 10 1/4 x 10 1/2 in; 16.1 lb. . . . \$250

PH-DS220 Portable CD System

16-bit D/A converter. Features CD player with 16-track programming, disc/program repeat; double cassette deck with normal/high-speed tape dubbing, 2-cassette sequential play; AM/FM tuner; bass boost; tone control; two speakers; LED display; headphone jack. Operates on 8 D batteries or 120-V AC. 24 1/2 x 7 x 8 in; 8.8 lb \$250

PH-S200 Portable CD System

16-bit D/A converter. Features CD player with 16-track programming, disc/program repeat; cassette deck; AM/FM tuner; bass boost; tone control; two 2-way speakers; LED display; headphone jack. Operates on 8 D batteries or 120-V AC. 22 3/8 x 6 1/2 x 8 in; 7.4 lb \$180

Portable CD Players

The following operate on 2 AA batteries.

PCD-6 Portable CD Player

1-bit D/A converter. Features anti-shock buffer memory; 3-beam laser pickup. Line-level and headphone outputs. Selectable DSP with modes for bass enhancement and surround sound; auto shut-off; 16-track programming; intro scan; track, disc, and program repeat modes; illuminated keys; backlit LCD; 9-key wireless remote control. Includes rechargeable Ni-Cd battery, AC adaptor/charger, earphones, car cassette adaptor, and cigarette-lighter plug. FR 20-20,000 Hz \pm 3 dB; S/N 80 dB; dynamic range 85 dB and ch sep 70 dB at 1,000 Hz. 5 x 1 3/8 x 6 in; 11.3 oz without battery \$300

PCD-5 Portable CD Player

1-bit D/A converter. Anti-shock buffer memory; 3-beam laser pickup. Line-level and headphone outputs. 3 preset EQ curves with variable bass/treble boost; auto shut-off; 16-track programming; track, disc, and program repeat modes; backlit LCD. Includes rechargeable Ni-Cd battery, AC adaptor/charger, headphones, car cassette adaptor, and cigarette-lighter plug. FR 20-20,000 Hz \pm 3 dB; S/N 80 dB; dynamic range 85 dB and ch sep 70 dB at 1,000 Hz. 5 1/8 x 1 3/8 x 6 1/2 in; 11.3 oz without battery. . \$250

PCD-3 Portable CD Player

1-bit D/A converter. Features 3-beam laser pickup. Line-level and headphone outputs. 3 preset EQ curves with variable bass/treble boost; auto shut-off; 16-track programming; track, disc, and program repeat modes; LCD. Includes rechargeable Ni-Cd battery, AC adaptor/charger, headphones, car cassette adaptor, and cigarette-lighter plug. FR 20-20,000 Hz \pm 3 dB; S/N 80 dB; dynamic range 85 dB and ch sep 70 dB at 1,000 Hz. 5 1/8 x 1 3/8 x 6 in; 10.6 oz without battery \$200

PCD-1 Portable CD Player

8x oversampling, dual 16-bit D/A converters. Features 3-beam laser pickup. Headphone jack. Bass boost; auto shut-off; 22-track programming; 3 repeat modes; LCD. Includes rechargeable Ni-Cd battery, AC adaptor/charger, and headphones. FR 20-20,000 Hz \pm 3 dB; S/N 78 dB; dynamic range 80 dB and ch sep 65 dB at 1,000 Hz. 5 1/8 x 1 3/8 x 6 in \$150

FORTE

F50a D/A Converter

Four 1-bit D/A converters. Features computer-optimized passive filtering; 3 lithium-tantalate crystal-oscillator circuits; signal output by Class A active buffers. 2 coaxial and 2 fiber-optic digital inputs. FR 20-22,000 Hz \pm 0.1 dB; THD 0.002%; S/N -112 dB; ch sep 100 dB. 17 x 2 3/4 x 10 1/2 in \$1,250

GOLDSTAR

CD-651A Portable CD System

Features CD player with track programming, random play; double cassette deck with one transport autoreverse play-only, other transport record/play, high-speed tape dubbing, 2-cassette sequential play, CD

dubbing; digital AM/FM tuner; 3-band EQ; two 2-way speakers; motor-driven volume control; clock/timer; 6-digit LED display; remote control. 14 lb \$280

CD-945A Portable CD System

Features CD player with 20-track programming, random play, intro scan, repeat, double cassette deck with one transport autoreverse play-only, other transport record/play; digital AM/FM tuner; 3-band graphic EQ; 2 detachable speakers; headphone jack; line-level CD outputs; motor-driven volume control; alarm clock/timer; remote control. Operates on batteries or 120 220-V AC. 5 W x 2. 15 lb \$280

CD-636A Portable CD System

2x oversampling, dual 16-bit D/A converters. Features CD player with 16-track programming, random play; double cassette deck with one transport autoreverse play-only, other transport record/play, high-speed tape dubbing, 2-cassette sequential play; AM/FM tuner; two speakers; line-level CD outputs; LCD; remote control. 13 lb \$230

FR-R20R 5-Disc CD Changer

8x oversampling, dual D/A converters, 5-disc carousel. Ability to change discs while one plays; 32-track programming; random play; 4 repeat modes; remote control. 14 lb \$230

CD-910A Portable CD System

2x oversampling, dual 16-bit D/A converters. Features CD player with 20-track programming, random/repeat play; double cassette deck with high-speed tape dubbing, 2-cassette sequential play; AM/FM tuner; 3-band graphic EQ; 2 detachable speakers; headphone jack; line-level CD outputs. 13.5 lb \$200

CD-201 Portable CD Player

2x oversampling, dual 16-bit D/A converters. Features 3-beam laser pickup. Headphone and line-level outputs. 24-track programming; track skip. Includes headphones, AC adaptor, interconnect cable, and carrying case \$200

CD-550A Portable CD Player

2x oversampling. Features CD player with 3-beam laser pickup, 3 repeat modes, intro scan; double cassette deck with 2-cassette sequential play, high-speed tape dubbing, CD dubbing; AM/FM tuner; 3-band graphic EQ; line-level CD outputs \$200

CD-910A Portable CD Player

CD player with 20-track programming, intro scan, random play; double cassette deck with high-speed tape dubbing, 2-cassette sequential play; AM/FM tuner; 3-band EQ; detachable speakers; line-level CD output; LED display \$180

CD 320A Portable CD Player

CD player with 20-track programming, 3 repeat modes, intro scan; cassette deck with synchro CD dubbing; AM/FM tuner; tone control; LCD \$150

GPX

C7460 Portable CD System

Features: CD player with 20-track programming, repeat; double cassette deck with 2-cassette sequential play, high-speed tape dubbing; AM/FM tuner; detachable speakers; headphone jack; LCD. 22 1/2 x 7 1/2 x 9 1/2 in \$200

C997 Portable CD System

4x oversampling. Features CD player with 20-track programming, repeat; double cassette deck with 2-cassette sequential play, high-speed tape dubbing; AM/FM tuner; two 2-way speakers; headphone jack; LCD. 22 3/4 x 9 x 7 7/8 in \$165

C3850 Portable CD Player

2x oversampling. Headphone and line-level outputs. 20-track programming; repeat/random play; liquid-crystal display. Includes AC adaptor, cassette adaptor, carrying case, and cigarette-lighter adaptor. 5 3/8 x 6 1/8 x 1 1/4 in \$140

Fisher DAC-503



C996 Portable CD System

Features CD player with 20-track programming, repeat; double cassette deck with 2-cassette sequential play, high-speed tape dubbing; AM/FM tuner; two 2-way bass-reflex speakers; headphone jack; LCD. 2 1/4 x 10 1/4 x 8 5/8 in \$140

C987 Portable CD System

Features CD player with 20-track programming, repeat; cassette deck; AM/FM tuner; two 2-way bass-reflex speakers; headphone jack; LCD. 16 x 7 3/4 x 7 in \$140

HARMAN KARDON

HD7725 CD Player

Proprietary RLS K-grade D/A conversion. Features fully discrete analog output section; 6 power supplies; 3-beam laser pickup; spring-loaded disc-tray clamp; motor-driven volume control. Coaxial and fiber-optic digital outputs; fixed and variable analog outputs; headphone jack; system remote-control jack. 30-track programming; index search; intro scan; A/B repeat; 2-speed cue/review; music calendar; defeatable display; remote control. FR 4-20,000 Hz +0, -0.5 dB; THD 0.0025%; S/N 105 dB; dynamic range 98 dB; ch sep 100 dB \$849

HD7525 CD Player

Proprietary RLS D/A converter. Features fully discrete analog output section; 4 power supplies; 3-beam laser pickup; spring-loaded disc-tray clamp. Coaxial digital output; system remote-control jack. 30-track programming; index search; intro scan; A/B repeat; 2-speed cue/review; defeatable display; music calendar; remote control. FR 4-20,000 Hz +0, -1 dB; THD 0.008%; S/N 103 dB; dynamic range 96 dB; ch sep 99 dB \$549

TL8500 5-Disc CD Changer

1-bit D/A converter, 5-disc carousel. Track programming; intro scan; auto space; random play; 2-speed cue/review; remote control. FR 4-20,000 Hz +0, -2 dB; THD 0.003%; S/N 104 dB \$479

FL8400 5-Disc CD Changer

3D Bit Stream D/A converter, 5-disc carousel. System remote-control jack. 32-track programming; intro scan; 3 repeat modes; random play; music calendar; remote control. FR 4-20,000 Hz +0, -1 dB; THD 0.008%; S/N 103 dB; dynamic range 95 dB; ch sep 90 dB \$369

HD7225 CD Player

3D Bit Stream D/A converter. Features fully discrete analog output section; balanced D/A interface; 4 power supplies; 3-beam laser pickup. System remote-control jack. Index search; intro scan; A/B repeat; 2-speed cue/review; defeatable display; remote control. FR 4-20,000 Hz +0, -1 dB; THD 0.008%; S/N 104 dB; dynamic range 96 dB \$299

JRM

DA-20 D/A Converter

8x oversampling, four 20-bit D/A converters. Features digital mute polarity; proprietary analog filter and output stages. 24-bit input optional. FR 0-20,000 Hz ± 0.1 dB; THD 0.0001% \$800

JVC

All JVC CD components, except XL-GM800TN, feature JVC Compu Link system compatibility, a floating 3-beam laser pickup, a die-cast aluminum base, and 32-track programming.

XL-Z451TN CD Player

Dual 1-bit D/A converters. Features 4th-order noise shaping; balanced buffer circuit. Fiber-optic digital output; headphone jack with volume control. Tape edit; 4 repeat modes; index search; non-track-repeating and delete random play; delete program play; direct track access; synchro play with compatible cassette decks; peak search; 20-track music

calendar; remote control. FR 2-20,000 Hz; THD 0.0015%; S/N 112 dB; dynamic range 100 dB and ch sep 106 dB at 1,000 Hz \$240

XL-V261TN CD Player

Dual 1-bit D/A converters. Features 4th-order noise shaping; disc-stabilizer clamp. Headphone jack with volume control. Multiple tape-edit modes; 4 repeat modes; synchro play with compatible cassette decks; peak search; direct track access; 15-track music calendar; remote control. FR 2-20,000 Hz; THD 0.0025%; S/N 106 dB; dynamic range 98 dB and ch sep 94 dB at 1,000 Hz. 17 1/4 x 4 1/2 x 10 7/8 in \$220

CD Changers

XL-GM800TN 7-Disc Karaoke Changer

6-disc magazine, single-disc tray. Video input and output; 2 mic inputs. Lyric superimposition; digital echo and key controls; vocal replacement; concert-effect mode; single-track play mode; direct track/disc access; 32-track programming; remote control. Includes RF converter \$850

XL-M509TN 7-Disc CD Changer

Dual 1-bit PEM D/A converters, 6-disc magazine, single-disc tray. Features 4th-order noise shaping. Headphone jack with volume control. 8-character magazine/disc-title memory for up to 26 magazines/156 discs; tape edit; delete play; resume play; direct track/disc access; disc/track intro scan; all-disc random play; 4 repeat modes; 15-track music calendar; FL display; remote control with LCD \$400

XL-F207TN CD 5-Disc Changer

Dual 1-bit PEM D/A converters, 5-disc front-loading carousel. Features 4th-order noise shaping; disc-clamping stabilizer. Headphone jack with volume control. Direct disc access; random play; repeat; music calendar; FL display; remote control. FR 2-20,000 Hz; THD 0.0025%; S/N 106 dB; dynamic range 98 dB and ch sep 94 dB at 1,000 Hz. 17 1/4 x 5 x 15 1/2 in \$300

KENWOOD

DP-2050 CD Player

Dual 1-bit D/A converters. Headphone jack. Synchro play with compatible cassette decks; 20-track programming; direct track access; random play; repeat; 20-track music calendar; timer. FR 4-20,000 Hz ± 1 dB; S/N 94 dB; THD 0.005% and ch sep 90 dB at 1,000 Hz. 17 3/8 x 5 1/8 x 14 1/2 in; 12 lb \$249

Combi-Players

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

LVD-820R Combi-Player

Dual 1-bit D/A converters. Plays CDs and videodiscs. Features 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. Dual-side videodisc play; synchro play with compatible cassette decks; random play; intro scan; shuttle control; on-screen displays. THD 0.006%; S/N 98 dB; dynamic range 99 dB. 17 3/8 x 5 1/8 x 15 in \$900

LVD-300 Combi-Player

4x oversampling, dual 18-bit D/A converters. Plays CDs and videodiscs. Features 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; S/N 105 dB; dynamic range 98 dB; THD 0.07% and ch sep 90 dB at 1,000 Hz. 17 3/8 x 5 1/2 x 14 1/4 in; 22 lb \$600

CD Changers

The following feature normal/high-speed synchro play with compatible cassette decks, tape edit from 2 CDs to 2 cassettes, 20-track programming, a 20-

track music calendar, and timer playback. Common specs include frequency response 4-20,000 Hz ± 1 dB; S/N 94 dB; total harmonic distortion 0.005% and channel separation 90 dB at 1,000 Hz.

DP-M7750 7-Disc CD Changer

Dual 1-bit D/A converters, 6-disc magazine, single-disc tray. 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; system remote-control compatibility; remote control with LCD. 17 3/8 x 5 1/8 x 14 1/2 in; 12 lb \$399

DP-M6650. As above, program memory for 8 magazines; remote control without LCD. No peak search \$329

DP-M5550. As DP-M6650, no magazine-program memory or headphone jack \$299

DP-R4450 5-Disc CD Changer

Dual 1-bit D/A converters, 5-disc bidirectional carousel. Headphone jack with volume control. 20-track programming; multiple tape-edit modes; random play; repeat; system remote-control compatibility; remote control. 17 3/8 x 5 1/8 x 15 1/2 in; 12 lb \$279

DP-R893. As above, without headphone jack or remote control \$249

DP-M993 7-Disc CD Changer

Dual 1-bit D/A converters, 6-disc magazine, single-disc tray. Headphone jack with volume control. 20-track programming; multiple tape-edit modes; random play; repeat; remote control \$249

Portable CD Players

DPC-731 Portable CD Player

1-bit D/A converter. Features battery extender for 9-hr playback; anti-skip servos and dampers. EQ presets; 24-track programming; last-track memory; timer; track/disc repeat; random play; backlit LCD; wireless remote control. Includes headphones with remote control, AC adaptor, 2 rechargeable batteries, interconnect cable, car cassette adaptor, and carrying case \$249

DPC-631 Portable CD Player

1-bit D/A converter. Features anti-skip servo and dampers. 20-track programming; 3 EQ presets; repeat/resume play; timer; wireless remote control. Includes car adaptor \$229

DPC-531 Portable CD Player

1-bit D/A converter. Features battery extender for 9-hr playback; 3 EQ presets; 24-track programming; last-track memory; timer; track/disc repeat; random play; backlit LCD; wireless remote control. Includes AC adaptor, rechargeable batteries, interconnect cable, and car cassette adaptor \$199

DPC-321 Portable CD Player

1-bit D/A converter. 3 EQ presets; 24-track programming; last-track memory; timer; track/disc repeat; random play; switchable bass boost; LCD. Includes AC adaptor, headphones with remote control, 2 rechargeable batteries, and interconnect cable \$179

KINERGETICS

KCD-20 Platinum Series CD Player

4x oversampling, dual 16-bit D/A converters. Features single-beam laser pickup; fully balanced circuit topology; distortion-canceling circuitry. Volume and balance controls; remote control. 17 x 4 1/2 x 13 in; 21 lb \$1,495

LINN

Karik CD Player

1-bit delta-sigma D/A conversion. Features 3-beam laser pickup; 4-motor mechanism; dedicated master-clock-frequency oscillator; laser diagnostic output for retailer use. Fiber-optic output; BNC digital output; RCA analog outputs; multiroom input and output.

12½ x 3½ x 12½ in; 11 lb \$3,395
Numerik. D/A-converter upgrade for Karlk ... \$2,395

MAGNAVOX

CDC79417/CDC796BK 5-Disc CD Changer
 1-bit Bitstream D/A conversion, 5-disc carousel. Ability to change 3 discs while one plays; direct track access; 30-track programming; tape edit, auto space; random play; intro scan; repeat; FL display; remote control. 17½ x 4½ x 15 in; 18 lb \$300

Portable CD Systems

AZ9435GY Portable CD System

Features CD player with 20-track programming, random/repeat play, intro scan; double cassette deck with high-speed tape dubbing, 2-cassette sequential play, CD dubbing; AM/FM tuner with FM mono/stereo switch; dynamic bass boost; tone control; two detachable bass-reflex speakers; rechargeable-battery charger; headphone jack, LCD. Operates on 8 D batteries. 3 W x 2 into 8 ohms from 200-15,000 Hz with 10% THD. 25¼ x 10¼ x 8¾ in; 12.5 lb ... \$229

AZ9020GY Portable CD System

Features CD player with 20-track programming, random/repeat play, intro scan; cassette deck with synchro CD dubbing; AM/FM tuner; dynamic bass boost; tone control; two detachable bass-reflex speakers; headphone jack; LCD track/time display; rechargeable-battery charger. Operates on 8 D batteries. 25¼ x 10¼ x 8¾ in; 12.5 lb \$199

AZ8310GY Portable CD System

Features CD player with 20-track programming, random/repeat play; double cassette deck with high-speed tape dubbing, 2-cassette sequential play; AM/FM tuner; 3-band graphic EQ; two speakers; headphone jack, LCD. Operates on 8 D batteries. 23 x 7½ x 8½ in; 10.3 lb \$180

AZ8035GY Portable CD System

Features CD player with 20-track programming, random/repeat play, intro scan; cassette deck; AM/FM tuner; dynamic bass boost; two speakers; headphone jack; LCD; rechargeable-battery charger. Operates on 8 D batteries. 3 W x 2 into 8 ohms from 200-15,000 Hz with 10% THD. 21¼ x 6½ x 7½ in; 9.9 lb \$170

AZ8006GY Portable CD System

Features CD player with 20-track programming, random/repeat play; cassette deck; AM/FM tuner; tone control; two speakers; headphone jack; LCD. 16¾ x 6 x 8½ in; 6.9 lb \$150

Portable CD Players

AZ6816BK Portable CD Player

Dual 1-bit Bitstream D/A converters. Features antishock mechanism; dynamic-range compression. Resume/random play; 2 repeat modes; function-hold switch; backlit buttons and LCD display. Includes AC/DC adaptor, cassette adaptor, car cord, interconnect cable, and headphones. 6 x 1½ x 5 in; 1 lb ... \$229

AZ6822BK Portable CD Player

Dual 1-bit Bitstream D/A converters. Headphone jack; line-level output. 20-track programming; battery-life indicator; intro scan; random/resume play; function-hold switch; 3 repeat modes; 3-position dynamic bass boost; LCD. Includes headphones, AC/DC adaptor, cassette adaptor, cigarette-lighter adaptor, and interconnect cable. 5¼ x 1½ x 6 in; 2.6 lb \$190

AZ6820BK Portable CD Player

Dual 1-bit Bitstream D/A converters. Battery-life indicator; 20-track programming; intro scan; random/resume play; dynamic bass boost; LCD. Includes headphones, interconnect cord, and AC adaptor. 5¼ x 1½ x 6 in; 2.5 lb \$150

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; recorded-disc 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; single-ended analog output; stereo mic input; headphone jack with volume control. Track skip; block delete; auto/manual track numbering; random play; repeat; digital peak display. Sampling rate 44,100 Hz; FR 2-20,000 Hz; S/N 100 dB; dynamic range 96 dB; ch sep 92 dB \$7,000
CDR-63Q. 63-min recordable blank disc \$50

CD-11 MkII CD Player

1-bit Bitstream PDM D/A conversion. Features fully floating die-cast-alloy 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; coaxial and fiber-optic digital outputs. Favorite-track memory for 195 discs. FR 20-20,000 Hz ± 0.1 dB; THD 0.00135% at 1,000 Hz; S/N 108 dB; dynamic range 96 dB; ch sep 100 dB. Gold finish. 18¾ x 4¾ x 13½ in; 36.7 lb \$2,500

LV-500 Combi-Player

1-bit Bitstream D/A conversion. Plays CDs and videodiscs. Features 20-bit digital filter, digital luminance/chrominance separator. 2 RCA audio outputs; Toslink fiber-optic digital output; 1 composite-video output; 1 S-video output; headphone jack with volume control; RC-5 system-remote-control jacks. Dual-side videodisc play; synchro play with compatible cassette decks; CD-direct mode; absolute CD time search; 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; 9 CAV playback speeds; 8 videodisc repeat modes; single track/chapter play; last-position memory; intro scan; random track/chapter play; 24-chapter/track programming; remote digital volume control; on-screen displays; defeatable FL display; remote control with shuttle. 16¾ x 4¾ x 16½ in \$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 single-beam laser mechanism; motor-driven volume control. Fixed and variable analog outputs; fiber-optic and coaxial digital outputs; RC-5 system-remote-control jacks. Synchro play with compatible cassette decks; non-volatile favorite-track memory for 127 discs; normal/delete programming and random play; variable-length intro scan; remote control. FR 20-20,000 Hz ± 0.1 dB; S/N 105 dB; dynamic range 96 dB; ch sep 100 dB and THD 0.0015% at 1,000 Hz. Gold finish \$699
 Above in black \$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. Fiber-optic digital output; RC-5 system-remote-control jacks. Ability to change 2 discs while one plays; synchro play with compatible cassette decks; tape edit; 32-track programming; 2-speed search; random play; repeat; remote control. FR 20-20,000 Hz ± 0.05 dB; S/N 100 dB; dynamic range 96 dB; ch sep 100 dB and THD 0.003% at 1,000 Hz. Gold finish. 16½ x 4¾ x 15½ in; 14 lb \$399
 Above in black \$349

CD-63 CD Player

Dual 1-bit delta-sigma Bitstream D/A converters. Features proprietary analog-stage op amp combining discrete output circuit in integrated package; 3-beam-laser pickup diode and photo-cell data detector in single housing; digital servo control; digital de-emphasis and muting; 4th-order noise shaping. Coaxial and Toslink fiber-optic digital outputs. Tape edit; peak search; 30-track programming; direct track access; random/repeat play; remote digital volume control; remote control. FR 5-20,000 Hz ± 0.5 dB;

THD 0.0025%; S/N 104 dB; dynamic range 96 dB; ch sep 102 dB. 16¾ x 3½ x 12½ in; 13 lb \$349
CD-53. As CD-63, without proprietary analog-stage op amp or fiber-optic output. Ch sep 100 dB ... \$299

MARK LEVINSON

No. 30 Reference D/A Converter

20-bit D/A converter. Features 2 towers each containing analog circuitry for one channel with isolation from digital circuitry in a central section; microprocessor-based user interface; separate power supply; 3 PLLs for incoming signals. 6 XLR inputs; 2 fiber-optic inputs; 2 digital outputs; XLR and RCA outputs. Self-test mode \$14,950

No. 31 Reference CD Transport

Features top loading; towers containing power supplies for control and signal-path circuits. XLR, RCA, ST-fiber-optic, and Toslink outputs. 14½ x 5½ x 13¾ in \$8,495

No. 35 D/A Converter

20-bit D/A converter. Features 4 separately shielded compartments for power supplies, digital signal processing and audio conversion, and output stages. 2 XLR, 2 RCA, 2 Toslink, and 1 ST-fiber-optic outputs. 19½ x 5½ x 15½ in \$7,950

MCINTOSH

MCD-7007 CD Player

4x oversampling, dual 16-bit D/A converters. Features one-piece cast platform; linear torque disc motor; low-inertia laser assembly. Coaxial output. 20-track programming; track scan; repeat; remote control. FR 20-20,000 Hz ± 0.3 dB; THD 0.0012%; S/N 107 dBA; dynamic range 96 dB; ch sep 102 dB. 16½ x 5½ x 13 in; 18 lb \$2,000

MCD-7008 7-Disc CD Changer

8x oversampling, dual 20-bit D/A converters. Music-Bank 6-disc internal magazine plus single-disc tray. Features magnetic disc clamp. Coaxial output; remote-control inputs. 50-track programming; random/repeat play; remote control. FR 5-20,000 Hz ± 3 dB; THD 0.002%; S/N 107 dBA; dynamic range 100 dB; ch sep 100 dB. 17½ x 5½ x 17 in; 25 lb \$2,000

MELOS

MAX-1 Tube D/A Converter

1-bit D/A converter. Features 2-chassis design; balanced circuitry. 3 inputs including fiber-optic; balanced outputs. Switchable phase; volume control; muting; bypass switch. FR 20-20,000 ± 0.3 dB; THD 0.09%; S/N 85 dB. 30 lb \$2,695
MAX-2. As above, single chassis. Without balanced outputs or volume control. 17 lb \$1,995

CD-T 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 \$1,795

MERIDIAN

CD-R CD Recorder

Features digital-section switchable between consumer and professional standards. Unbalanced-RCA, balanced-XLR, and mic inputs; coaxial RCA, Toslink, and XLR digital inputs; unbalanced-RCA and balanced-XLR analog outputs; coaxial-RCA, Toslink, and XLR digital outputs; headphone jack with volume control. Headroom indicator; remote control. AT&T digital input and output optional. FR 20-20,000 Hz; THD 0.003%. 20 x 23 x 11 in; 35 lb \$6,995

200 Series

Model 208 CD Player/Preamplifier

Dual 1-bit D/A converters. Combines CD player and analog preamp. 3 line-level inputs; 2 fiber-optic and coaxial digital outputs. Features DAC7 Bitstream

chip set; passive differential analog filters; tracking servo; computer-grade 4-layer PC boards; two-box construction separating transport and electronics. 64-step volume control; LED display; illuminated control keys; remote control. FR 20-20,000 Hz; THD 0.004%; S/N 106 dBA. 12 $\frac{3}{4}$ x 4 x 12 $\frac{3}{4}$ in \$2,950
Model 215. Phono board for Model 208 \$275

Model 206 CD Player

1-bit delta-sigma D/A conversion. 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 200 CD Transport

Features sealed drawer for external-vibration isolation; servo laser control. Coaxial and Toslink digital outputs. Pause; track skip; repeat. 13 $\frac{1}{2}$ x 13 $\frac{1}{2}$ x 4 in; 19 lb \$1,495

Model 263 D/A Converter

1-bit delta-sigma D/A conversion. Features passive differential analog filtering; PLL detection circuit; computer-grade 4-layer PC boards with ground-plane design; separate transport and audio sections. Coaxial and fiber-optic digital inputs. Auto sampling-rate selection; LED indicators. S/N 106 dBA. Matte-black finish with glass front. 6 $\frac{1}{4}$ x 4 x 12 $\frac{3}{4}$ in \$895

600 Series

Model 602 CD Transport

Features proprietary microprocessor to regulate control and tracking functions; tracking servo; two-box chassis with physical and electrical separation of transport and D/A-converter functions. Fiber-optic control link for use with 600 Series components. User-adjustable track-select settling time; LED indicators. 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; computer-grade 4-layer PC boards with ground-plane design. Coaxial and fiber-optic digital inputs. Auto sampling-rate selection \$2,250

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; dynamic range 92 dB; ch sep 90 dB. 14 $\frac{3}{8}$ x 4 x 11 $\frac{3}{8}$ in; 7.7 lb \$699

Mission DAC5 D/A Converter

1-bit D/A converter. Features 1st-order noise shaping; single-stage multi-loop 3rd-order noise shaper; toroidal transformer with six power supplies. THD 0.001%; S/N 112 dB; dynamic range and ch sep 100 dB. 2 $\frac{1}{4}$ x 4 x 11 $\frac{3}{8}$ in; 3.3 lb \$699

MONARCHY AUDIO

DT-40A Combi-Player

16-bit D/A conversion. Plays CDs and videodiscs. Features digital re-clocking to suppress jitter; steel chassis; aluminum front panel. S-video output; RCA and XLR balanced outputs; analog audio output. 50 lb \$1,499

DT-30 Combi-Changer

1-bit D/A conversion. Modified Pioneer transport combines videodisc tray and 5-disc CD tray and. Features digital re-clocking to suppress jitter; comb filter; steel chassis; intro highlight scan. S-video output; analog audio output; Toslink fiber-optic output; XLR digital output. Front-surround mode; intro highlight scan. 50 lb \$1,199

Model 22 D/A Converter

8x oversampling, dual 20-bit D/A converters. Features generalized-immittance-converter low-pass analog filter; separate power supplies. Coaxial and

fiber-optic digital inputs; balanced outputs. Phase-reverse switch; auto sampling-rate selector. Sampling rates 32,000, 44,100, and 48,000 Hz; THD 0.0015%; S/N 116 dB \$980

DIP Digital Interface Processor

Provides digital re-clocking circuitry and jitter suppression when used between a CD transport and D/A converter. RCA and fiber-optic inputs; RCA and XLR outputs \$199

MTX SOUNDCRAFTSMEN

CD-100 CD Player

1-bit Philips D/A converter. Features metal-film resistors; polypropylene capacitors; noise shaping. 20-track programming; random play; remote control. S/N 100 dB; dynamic range 96 dB; ch sep 100 dB. 17 x 5 $\frac{1}{4}$ x 11 in; 13 lb \$600
CD-100 Pro. 19-in rack-mount version \$600

MUSEATEX

CD-D1 CD Transport

Features jitter-reduction circuitry; Philips swing-arm laser servo; aluminum drive. Fiber-optic and coaxial digital outputs. Museatex software programming. 16 lb \$1,749

Mellor D/A Converter

8x oversampling, 18-bit D/A converter. Jitter-reduction circuitry; Philips SAA 7350 chip. Fiber-optic and coaxial digital inputs. Auto sampling-rate selection. FR 5-20,000 Hz; THD 0.03%; S/N 95 dB \$899

NAD

Model 5000 CD Player

1-bit MASH D/A converter. Features separate regulated power supplies for analog and digital sections. Fixed and variable outputs; serial digital output. 20-track programming; remote control. FR 5-20,000 Hz; THD 0.002%; S/N 106 dB; dynamic range 98 dB; ch sep 100 dB at 1,000 Hz. 17 $\frac{1}{8}$ x 3 $\frac{3}{8}$ x 11 $\frac{1}{8}$ in \$499

Model 505 5-Disc CD Changer

1-bit MASH D/A converter, 5-disc carousel. Features individually filtered and regulated DC power supplies. Coaxial digital output; NAD-Link multiroom jacks. Ability to change 2 discs while one plays; 32-track programming; random play; remote control. FR 20-20,000 Hz - 1 dB; THD 0.0025%; S/N 106 dB; dynamic range 98 dB; ch sep 90 dB at 1,000 Hz. 16 $\frac{1}{2}$ x 5 $\frac{1}{4}$ x 14 $\frac{1}{8}$ in \$399

Model 502 CD Player

1-bit MASH D/A converter. Features DC coupling. Digital output; NAD-Link multiroom jacks. 21-track programming; direct track access; remote control. FR 5-20,000 Hz \pm 5 dB; S/N 105 dB; dynamic range 98 dB; ch sep 100 dB at 1,000 Hz. 16 $\frac{1}{2}$ x 3 $\frac{3}{8}$ x 11 $\frac{3}{8}$ in; 13.3 lb \$299

NAIM

NA CDS CD Player

4x oversampling, Philips 16-bit D/A converter. Features top-loading design; separate power supply; precision-suspended mounting for custom high-torque transport; low-mass magnetic clamp; DC offset-sensing protection circuits with fail-safe relay muting. Remote. FR 10-18,000 Hz \pm 0.1 dB \$6,925

NA CDI CD Player

4x oversampling, 16-bit D/A converter. Features top-loading design; internally suspended subchassis for transport and D/A board; low-mass magnetic clamp. Remote control. FR 10-18,000 Hz \pm 0.1 dB; THD 0.01%. 17 x 3 x 12 in \$3,565

NAKAMICHI

MB-1, MB-2, MB-3, MB-4, and Model 1000mb feature Nakamichi's MusicBank 6-disc internal magazine plus single-disc tray.

Model 1000mb 7-Disc CD Transport

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

MB-1 7-Disc CD Changer

8x oversampling, 20-bit D/A converter. Features hand-selected converter IC; discrete 3rd-order Bessel analog low-pass filter; rigid 2-layer steel chassis; magnetically clamped disc stabilizer; chassis-reinforcing layer; isolated-ground topology; multiregulated power supply; floating disc drive; servo system. Gold-plated coaxial digital output. Synchro play with compatible cassette decks; delete play; random/repeat play; track scan; music calendar; FL display; remote control. FR 5-20,000 Hz \pm 0.5 dB; THD 0.0025%; S/N 105 dBA; dynamic range and ch sep 100 dB. 16 x 3 x 14 $\frac{3}{4}$ in; 22 lb \$1,299

MB-2. As above, digital output not gold plated. Features headphone jack with volume control; remote level control. THD 0.0035%. 18 lb \$799

MB-3 7-Disc CD Changer

8x oversampling, dual 18-bit D/A converters. Features disc stabilizer; 3rd-order Bessel-type analog low-pass filter; multiregulated power supply; isolated-ground topology; floating disc-drive mechanism. Headphone jack with volume control. Random/repeat play; delete play; track scan; music calendar; FL display; remote control. FR 5-20,000 Hz \pm 0.5 dB; THD 0.0035%; signal-to-noise ratio 103 dBA; dynamic range 98 dB; channel separation 95 dB. Dimensions: 16 x 3 x 14 $\frac{3}{4}$ in; 17 lb \$599

MB-4 7-Disc CD Changer

4x oversampling, dual 16-bit D/A converters, 6-disc magazine, single-disc tray. Features 3rd-order Bessel-type analog low-pass filter. Random/repeat play; LCD; remote control. FR 10-20,000 Hz \pm 0.5 dB; THD 0.035%; S/N 87 dBA; dynamic range and ch sep 85 dB. 16 $\frac{1}{8}$ x 4 x 11 in; 11 lb \$349

CD-4 CD Player

8x oversampling, dual 18-bit D/A converters. Features 3rd-order Bessel-type analog low-pass filter; chassis-stabilizing bar; regulated power supply; isolated-ground topology; floating disc-drive mechanism. Coaxial digital output; headphone jack with volume control. Repeat; remote control. FR 5-20,000 Hz \pm 0.5 dB; THD 0.0035%; S/N 100 dBA; dynamic range 97 dB; ch sep 95 dB. 17 x 4 x 12 $\frac{1}{2}$ in; 11 lb \$349

NIKKO

NCD 2700R 5-Disc CD Changer

8x oversampling, 16-bit D/A converters, 5-disc carousel. 32-track programming; random play; 3 repeat modes; scan; remote control. Dimensions: 16 $\frac{1}{8}$ x 4 $\frac{3}{8}$ x 15 in \$230

NCD 950R CD Player

1-bit D/A converter. 20-track programming; random play; track skip/scan; 3 repeat modes; intro scan; LCD; remote control. 16 $\frac{1}{2}$ x 2 $\frac{3}{4}$ x 11 in \$140

NCD 760 CD Player

4x oversampling, 16-bit D/A converter. 20-track programming; 3 repeat modes; track skip/scan; random play; intro scan; LCD. 16 $\frac{1}{2}$ x 2 $\frac{3}{4}$ x 11 in \$110

NSM

NSM CD 3101 100-Disc CD Changer System

1-bit D/A converter, two 50-disc magazines, keyboard controller with single-disc tray. Features Philips CDM-4 laser system. LED display; random/repeat play; 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%; S/N 94 dBA; ch sep 89 dB at 1,000 Hz. Changer: 18 $\frac{1}{2}$ x 13 $\frac{1}{2}$ 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

Next-selection function refers to the ability to select the next track to play without interrupting currently playing track. 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 CDs and videodiscs. Features centered tray orientation; 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 displays; remote control. FR 4-20,000 Hz \pm 0.5 dB; THD 0.003%; S/N 107 dB; dynamic range 98 dB \$1,100

DX-F5 Portable CD Player

8x oversampling, 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 \$290

CD Players

Integra DX-788F CD Player

Dual 1-bit D/A converters. Features separate analog and digital transformers designed to prohibit electromagnetic interference; aluminum chassis. Balanced output; fiber-optic output; fixed and variable analog outputs. 20-track programming. FR 2-20,000 Hz; THD 0.0015%; S/N 110 dB; dynamic range 100 dB; ch sep 102 dB at 1,000 Hz. 18 x 5 1/8 x 14 1/4 in \$1,200

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; centered tray orientation; die-cast aluminum tray. Fiber-optic output. Program reverse; auto spacing; peak search; auto fade; 2 random-play and 5 repeat modes; 2-speed scan; switchable display dimmer; RI-system cassette-deck compatibility; remote control. FR 2-20,000 Hz; THD 0.002%; S/N 110 dB; dynamic range 100 dB; ch sep 110 dB at 1,000 Hz. 18 x 5 1/8 x 14 1/4 in \$750

Integra DX-706 CD Player

Dual 1-bit D/A converters. Features linear-motor drive; complementary distortion canceler; centered tray orientation; die-cast aluminum tray. Fiber-optic output. Program reverse; auto spacing; peak search; auto fade; 2 random-play and 4 repeat modes; 2-speed scan; switchable display dimmer; RI-system cassette-deck compatibility; remote control. FR 2-20,000 Hz; THD 0.002%; S/N 110 dB; dynamic range 100 dB; ch sep 110 dB at 1,000 Hz. 18 x 5 1/8 x 14 1/4 in; 17.6 lb \$550

DX-705 CD Player

Dual 1-bit D/A converters. Fiber-optic output; headphone jack with volume control. Program memory for 204 discs; program reverse; next-selection function; synchro play with compatible cassette decks; peak search; 5 repeat modes; random play; 36-track programming; 20-track music calendar; direct track access; switchable display dimmer; remote control. FR 5-20,000 Hz; THD 0.004%; S/N 100 dB; dynamic range 96 dB; ch sep 90 dB at 1,000 Hz. 18 x 4 3/8 x 12 in; 11 lb \$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; RI-system cassette-deck compatibility; remote control. FR 5-20,000 Hz; THD 0.004%; S/N 100 dB; dynamic range 96 dB; ch sep 90 dB at 1,000 Hz. 18 x 4 3/8 x 12 in; 11 lb \$230

DX-710 CD Player

Dual 1-bit D/A converters. Headphone jack with volume control. Synchro play with compatible cassette decks; 20-track music calendar; 3 repeat modes; 20-track music calendar; THD 0.004%; S/N 100 dB; dynamic range 96 dB; ch sep 90 dB at 1,000 Hz. 18 x 4 3/8 x 12 in; 10.8 lb \$210

ume control. Synchro play with compatible cassette decks; 20-track programming; 3 repeat modes; 20-track music calendar. FR 5-20,000 Hz; THD 0.004%; S/N 100 dB; dynamic range 96 dB; ch sep 90 dB at 1,000 Hz. 18 x 4 3/8 x 12 in; 10.8 lb \$210

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. Ability to change 3 discs during play; 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; RI-system cassette-deck compatibility; remote control. FR 2-20,000 Hz; THD 0.0028%; S/N 106 dB; dynamic range 98 dB; ch sep 92 dB at 1,000 Hz. 18 x 5 1/8 x 17 in; 19.8 lb \$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. Ability to change 3 discs during play; 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; RI-system cassette-deck compatibility; remote control. FR 2-20,000 Hz; THD 0.0028%; S/N 106 dB; dynamic range 98 dB; ch sep 92 dB at 1,000 Hz. 18 x 5 1/8 x 17 in; 19.8 lb \$480

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; direct track/disc access; remote control. FR 5-20,000 Hz; THD 0.004%; S/N 100 dB; dynamic range 98 dB; ch sep 92 dB at 1,000 Hz. 18 x 4 3/4 x 12 1/8 in; 12.5 lb \$430

DX-C210 6-Disc CD Changer

Dual 1-bit D/A converters, 6-disc carousel. Ability to change 3 discs during play; random play; 40-track programming; next-selection function; 5 repeat modes; 20-track music calendar; FL display; RI-system cassette-deck compatibility; remote control. FR 2-20,000 Hz; THD 0.004%; S/N 96 dB; dynamic range 96 dB; ch sep 90 dB at 1,000 Hz. 18 x 4 3/4 x 16 3/4 in; 17 lb \$350

DX-C110 6-Disc CD Changer

Dual 1-bit D/A converters, 6-disc carousel. Headphone jack. Ability to change 3 discs during play; synchro play with compatible cassette decks; 40-track programming; random play; 5 repeat modes; next-selection function; 20-track music calendar; RI-system cassette-deck compatibility; remote control. FR 2-20,000 Hz; THD 0.004%; S/N 96 dB; dynamic range 96 dB; ch sep 90 dB at 1,000 Hz. 18 x 4 3/4 x 16 3/4 in; 17 lb \$320

OPTIMUS BY RADIO SHACK

CD-7500 5-Disc CD Changer

8x oversampling, 5-disc carousel. Features 3-beam laser pickup; floating disc tray. Headphone jack with volume control. Tape edit; intro scan; 32-track programming; random play; 5 repeat modes; track search/scan; 19-track music calendar; digital display including elapsed/remaining time; remote control. Dynamic range 95 dB. 16 7/8 x 4 x 15 1/4 in \$230

CD-6300 5-Disc CD Changer

1-bit D/A conversion, 5-disc carousel. Features 3-beam laser pickup. Intro scan; index search; tape edit; 32-track programming; one/all-disc and program repeats; random play; track skip/scan; remote control. S/N 105 dBA; dynamic range 90 dB; ch sep 90 dB. 17 3/8 x 4 1/2 x 15 1/8 in \$220

CD-3420 Portable CD Player

Features 2.8-second anti-shock memory buffer; Ni-Cd charging circuit for optional rechargeable battery; 3-beam laser pickup. Mini-plug headphone and line-level outputs. 22-track programming; track/disc program repeat; track skip/scan; pause; auto power-off. Operates on 2 AA batteries for 3.5 hrs. Includes interconnect cable and carrying case. AC adaptor/charger or DC adaptor optional. Headphone output 15 mW \times 2 into 32 ohms with 10% THD; FR 20-20,000 Hz \pm 3 dB; S/N 95 dB; dynamic range 88 dB. 5 x 1 1/4 x 6 3/8 in; 10.5 oz without batteries \$200

CD-3406 Portable CD Player

1-bit D/A conversion. Features Ni-Cd charging circuit for optional rechargeable battery; 3-beam laser pickup. Mini-jack headphone and line-level outputs; digital output. 4 EQ presets; function lock; 22-track programming; last-position memory; 4 repeat modes; random play; pause; track skip scan; auto power-off. Operates on 4 AA batteries for 7.5 hrs. Includes interconnect cable and carrying case. AC adaptor/charger or DC adaptor optional. FR 17-20,000 Hz \pm 1 dB; S/N 94 dB; dynamic range 90 dB. 5 1/8 x 1 1/2 x 5 3/4 in; 7.9 oz without batteries \$180

CD-5506 CD Player

8x oversampling. Features floating disc tray. Headphone jack with volume control. Delete play; 4 repeat modes; intro scan; tape edit; 20-track programming; random play; track skip/scan; 15-track music calendar; digital display including elapsed/remaining time; remote control. FR 20-20,000 Hz \pm 1 dB; S/N 95 dBA; dynamic range 92 dB. 16 7/8 x 3 1/4 x 9 7/8 in \$180

CD-1766 CD Player

8x oversampling, dual 18-bit D/A converters. Headphone jack with volume control. Tape edit; auto space; 32-track programming; track/disc/program repeat; random play; track skip/scan; 20-track music calendar; remote control. FR 20-20,000 Hz \pm 0.5 dB; THD 0.008%; S/N 105 dB. 13 3/4 x 3 1/4 x 11 in \$180

CD-2476 CD Player

8x oversampling. Features floating disc tray; 3-beam laser pickup. Headphone jack. 16-track programming; track/disc/program repeat; auto space; random play; search scan; elapsed- and remaining-time displays; remote control. FR 20-20,000 Hz \pm 1 dB; THD 0.035%; S/N 93 dB; dynamic range 92 dB; ch sep 95 dB. 13 3/4 x 2 3/4 x 11 in; 7.7 lb \$160

CD-3386 Portable CD Player

1-bit D/A conversion. 3-beam laser pickup. Headphone and line-level outputs. Bass boost; intro scan; 20-track programming; random play; track/disc/program repeat; track skip/scan; pause. Operates on 2 AA batteries for 3.5 hrs. Includes interconnect cable and carrying strap. AC adaptor or DC adaptor optional. Headphone output 16 mW \times 2 into 32 ohms with 10% THD; FR 20-18,000 Hz \pm 1 dB; S/N 93 dB; dynamic range 92 dB; ch sep 80 dB. 5 1/8 x 1 1/8 x 6 in; 7.9 oz without batteries \$150

CD-3390 Portable CD Player

Features 3-beam laser pickup. Bass/treble boosts; function lock; track/disc/program repeat; 16-track programming; track skip/scan; pause; auto power-off. Operates on 2 AA batteries for 3.5 hrs. Includes interconnect cable and carrying case. AC or DC adaptor optional. Headphone output 15 mW \times 2 into 32 ohms with 10% THD; FR 20-20,000 Hz \pm 3 dB; S/N 95 dB; dynamic range 92 dB. 5 1/8 x 1 1/8 x 6 in \$130

Optimus Professional Series

CD-7105 6-Disc CD Changer

6-disc magazine. Headphone jack with volume control. Auto digital level control; 10-magazine music-type memory; highlight scan; delete play; last-disc memory; tape edit; digital fader; 32-track programming; 7 repeat modes; random play; synchro play with compatible cassette decks; FL display; remote control. S/N 98 dB; dynamic range 96 dB \$249

CD-7106. As above, without headphone jack or remote control \$219

PANASONIC

XBS and S-XBS refer to Panasonic's proprietary bass-boost circuits.

LX-900 Combi-Player

1-bit MASH D/A conversion. Plays CDs and videodiscs. Features one-spindle brushless direct-drive motor; digital time-base corrector; 8-bit digital field memory for CAV/CLV special effects; digital comb filter; digital servo control; digital noise canceling; digital field-noise reduction; aspheric glass-lens pickup. Fiber-optic digital output; S-video output; headphone jack with volume control. Dual-side videodisc play; reduced-brightness and black-and-white theater modes; frame-number CAV-videodisc search; elapsed-time CLV-videodisc search; 20-chapter/track programming; chapter skip; chapter/track search and repeat; CD random play; jog/shuttle controls on front panel and remote control; on-screen displays including level meters; defeatable FL display; remote control. FR 4-20,000 Hz; THD 0.0023%; S/N 115 dB; dynamic range 98 dB. 17 x 5 x 16 1/8 in; 20.5 lb. \$1,100

LX-K700 Karaoke Combi-Player

1-bit MASH D/A conversion. Plays CDs and videodiscs. Features one-spindle brushless direct-drive motor; digital time-base corrector; digital servo control; digital noise canceling; aspheric glass-lens pickup. Audio input; S-video output; two microphone inputs; headphone jack with volume control. Dual-side videodisc play; voice-removal function; simulated-duet mode; vocal/instrumental balance function; 7-step digital key control; staccato vocal effect; 8-track programming; stage, theater, and music acoustic modes; adjustable echo; elapsed-time CLV-videodisc search; frame-number CAV-videodisc search; direct track access; CD random play; chapter skip; chapter/track repeat and search; independent microphone controls; on-screen displays; FL display; remote control. FR 4-20,000 Hz; THD 0.005%; S/N 100 dB; dynamic range 94 dB. 17 x 5 x 16 1/8 in; 20.7 lb. \$1,100
RP-VK68. Microphone for above with key-control switch. \$150

LX-600 Combi-Player

1-bit MASH D/A conversion. Plays CDs and videodiscs. Features digital servo control; digital time-base corrector; digital comb filter; one-spindle brushless direct-drive motor; aspheric glass-lens pickup. Fiber-optic digital output; S-video output; headphone jack with volume control. Dual-side videodisc play; elapsed-time CLV-videodisc search; frame-number CAV-videodisc search; still frame; chapter skip; intro chapter/track scan; chapter/track search and repeat; 20-chapter/track programming; CD random play; shuttle rings on front panel and remote control; on-screen displays including level meters; defeatable FL display; remote control. FR 4-20,000 Hz; THD 0.003%; dynamic range 96 dB. 17 x 5 x 16 1/8 in; 20.1 lb. \$800

LX-101 Combi-Player

1-bit MASH D/A conversion. Plays CDs and videodiscs. One-spindle brushless direct-drive motor; aspheric glass-lens pickup; digital comb filter; digital time-base corrector. S-video output; headphone jack with volume control. Chapter/track skip/search; elapsed-time CLV-videodisc search; frame-number CAV-videodisc search; CD random play; 6 repeat modes; 20-chapter/track programming; multiple tape-edit modes; intro scan; shuttle control; on-screen displays including level meters; remote control. FR 4-20,000 Hz; THD 0.006%; S/N 101 dB; dynamic range 94 dB. Dimensions: 17 x 4 1/2 x 15 3/4 in; weight: 18.1 lb. \$600

SL-PD347 5-Disc CD Changer

1-bit MASH D/A conversion, front-loading bidirectional 5-disc carousel. Features digital servo system. Ability to change 4 discs while 5th plays; highlight scan; 32-track programming; repeat; one/all-disc random play. 14 1/4 x 5 1/8 x 16 1/8 in; 10 lb. \$220

Portable CD Systems

RX-DT707 Portable CD System

1-bit MASH D/A conversion. Features front-loading CD player with 36-track programming, multiple tape-edit modes, direct track access, skip/search, repeat, and random play; top-loading double cassette deck with one transport autoreverse record/play, other transport autoreverse play-only. Dolby B NR, full-logic controls, program search, high-speed tape dubbing, auto tape-bias selector, and 2-cassette sequential play; digital AM/FM tuner with 10 AM/10 FM presets and direct station access; heavy, clear, soft, vocal, and flat EQ presets; surround function; two bi-amplified 2-way dual-port bass-reflex speakers in cabinet designed to minimize mutual interference; aux input; CD and headphone outputs; motor-driven control panel above cassette transports with LCD and jog dial; memory for 20 disc titles or station names; clock/timer; remote control. Operates on 10 D and 4 AA batteries or 120-V AC. 28 x 8 1/8 x 10 3/8 in. \$449

RX-DT505 Portable CD System

1-bit MASH D/A conversion. Features front-loading CD player with motor-driven drawer, 36-track programming, direct track access, skip/search, repeat, and multiple tape-edit modes; double cassette deck with one transport autoreverse record/play, other transport autoreverse play-only, full-logic controls, program search, high-speed tape dubbing, auto tape-bias selector, synchro CD dubbing, 2-cassette sequential play, and two digital tape counters; digital AM/FM tuner with 10 AM/10 FM presets and mono/stereo switch; variable XBS; tone control; two bi-amplified 2-way bass-reflex speakers in cabinet designed to minimize mutual interference; CD and headphone outputs; clock/timer; alphanumeric LCD; remote control. Operates on 10 D and 4 AA batteries. 26 7/8 x 6 7/8 x 10 1/8 in; 15 lb. \$400

RX-DT680 Portable CD System

1-bit MASH D/A conversion. Features top-loading CD player with 36-track programming, multiple tape-edit modes, direct track access, skip/search, repeat, and random play; double cassette deck with one transport autoreverse record/play, other transport autoreverse play-only, full-logic controls, program search, high-speed tape dubbing, auto tape-bias selector, and 2-cassette sequential play; digital AM/FM tuner with 10 AM/10 FM presets and direct station access; 5-band graphic EQ; two detachable 2-way bi-amplified bass-reflex speakers; aux input; CD, headphone, and speaker outputs; clock/timer; remote control. Operates on 10 D and 4 AA batteries or 120-V AC. 26 1/8 x 10 1/2 x 9 1/8 in; 19 lb. \$389

RX-DT675 Portable CD System

1-bit MASH D/A conversion. Features front-loading CD player with motor-driven disc tray, 16-track programming, skip/search, and repeat; double cassette deck with autoreverse for one transport, 2-cassette sequential play, high-speed tape dubbing, and synchro CD dubbing; digital AM/FM tuner with 14 station presets; variable S-XBS; 4-band graphic EQ; two detachable 2-way bi-amplified dual-port bass-reflex speakers; aux input; headphone and speaker outputs; backlit LCD; remote control. Operates on 10 D and 4 AA batteries or 120-V AC. \$360
RX-DT670. As above, without autoreverse or remote control. \$330

RX-DT501 Portable CD System

1-bit MASH D/A conversion. Features top-loading CD player with direct track access, 36-track programming, skip/search, repeat, and random play; double cassette deck with one transport autoreverse record/play, other transport autoreverse play-only, synchro CD dubbing, high-speed tape dubbing, 2-cassette sequential play, two digital tape counters, auto tape bias selector, program search, and tape edit; digital AM/FM tuner with 10 AM/10 FM presets, direct station access, and mono/stereo switch; variable XBS; tone control; selectable surround sound; two 2-way bass-reflex speakers in cabinet designed to minimize mutual interference; remote-controllable menu-driven interface; timer; headphone jack; alphanumeric LCD;

remote control. Operates on 10 D batteries. 25 1/4 x 8 x 10 1/2 in. \$320

RX-DT630 Portable CD System

1-bit MASH D/A conversion. Features top-loading CD player with 16-track programming, skip/search, and repeat; double cassette deck with one transport record/play, other transport autoreverse play-only, high-speed tape dubbing, synchro CD dubbing, and 2-cassette sequential play; digital tuner with 10 AM/10 FM presets and mono/stereo switch; variable XBS; 4-band EQ; two detachable 2-way bass-reflex speakers; CD, headphone, and speaker outputs; alphanumeric LCD. Operates on 10 D and 4 AA batteries or 120/220/240-V AC at 50/60 Hz. 25 3/4 x 10 x 8 7/8 in; 16 lb. \$309

RX-DT610. As above, without autoreverse or 220/240-V capability. \$270

SL-PH2 Portable CD System

1-bit MASH D/A conversion. Features top-loading CD player with A/B repeat, 24-track programming, and skip/search; digital AM/FM tuner with 7 AM/7 FM presets and selectable tuning steps; 3-position XBS switch; 2 speakers; clock/timer with selectable radio/CD/buzzer alarm, sleep function, and doze function; auto turn-off; backlit pop-up display. Operates on 6 C batteries. 13 7/8 x 2 7/8 x 6 1/8 in; 3.4 lb. \$250

RX-DT401 Portable CD System

1-bit MASH D/A conversion. Features top-loading CD player with 16-track programming, skip/search, and repeat; double cassette deck with synchro CD dubbing; digital AM/FM tuner with 10 AM/10 FM presets and mono/stereo switch; variable XBS; tone control; 2 bass-reflex speakers in cabinet designed to minimize mutual interference; headphone jack; alphanumeric LCD. Operates on 10 D batteries. 24 x 7 1/4 x 10 3/8 in. \$240

RX-DS102 Portable CD System

1-bit MASH D/A conversion. Features top-loading CD player with 16-track programming, skip/search, and repeat; cassette deck with synchro CD dubbing; AM/FM tuner with mono/stereo switch; variable XBS; tone control; 2 bass-reflex speakers in cabinet designed to minimize mutual interference; headphone jack; alphanumeric LCD. Operates on 10 D batteries. 24 x 7 1/4 x 10 1/2 in. \$200

RX-DS202. As above, with switchable autoreverse, CD outputs, and 2-way speakers. \$239

Portable CD Players

All models, except SL-S551C and SL-S550, feature XBS, random play, repeat, skip/search, 24-track programming, a line-level output, and a headphone jack.

SL-S551C Portable CD Player

1-bit MASH D/A conversion. Features double-floating mechanism; heat resistance; DSP for live-sound mode, S-XBS, and treble-cut filter. Resume play; auto turn-off; 24-track programming; random play; repeat; skip/search; illuminated keys; backlit pop-up display. Operates on 2 AA batteries for 7 hrs. Includes AC adaptor/recharger, car cassette and power adaptors, and interconnect cable. Car mounting plate, rechargeable batteries, and wireless remote control optional. 5 1/8 x 1 1/4 x 5 1/2 in; 11.3 oz without batteries. \$260

SL-S550. As above, without key illumination or car accessories. Includes wireless remote control, open-air headphones, and rechargeable batteries. Car accessories optional. \$230

SL-S441C Portable CD Player

1-bit MASH D/A conversion. Features heat-resistant polycarbonate body; dual-aspheric-surface glass lens. Switchable treble-cut filter for listening privacy; resume play; auto turn-off; backlit LCD; wired remote control. Operates on included rechargeable Ni-Cd batteries for 2.5 hrs on 3-hr charge or on 2 AA batteries for 7 hrs. Includes open-air headphones, AC adaptor, interconnect cable, and car power and cassette adaptors. 5 1/8 x 1 1/8 x 5 7/8 in. \$210

SL-NP500 Portable CD Player

8x oversampling, dual digital-to-analog converters. Switchable treble-cut filter for listening privacy; auto turn-off; remote control. Operates on 2 AA batteries. Includes headphones, rechargeable batteries, AC adaptor/recharger, RCA-jack adaptor, and carrying case. Dimensions: 5 x 1 1/8 x 5 3/4 in; weight: 10.4 oz \$199

SL-S440 Portable CD Player

1-bit MASH D/A conversion. Heat-resistant polycarbonate body; dual-aspheric-surface glass lens. Switchable treble-cut filter for listening privacy; resume play; auto turn-off; backlit LCD; wired remote control. Operates on included rechargeable Ni-Cd batteries for 2.5 hrs on 3-hr charge or on 2 AA batteries for 6.5 hrs. Includes open-air headphones, AC adaptor, and interconnect cable. Car power and cassette adaptors optional. Dimensions: 5 1/8 x 1 1/8 x 5 7/8 in \$190

SL-S330 Portable CD Player

Four 1-bit MASH D/A converters. Features heat-resistant polycarbonate body. Switchable treble-cut filter for listening privacy. Operates on 2 AA batteries. Includes AC adaptor, RCA-jack adaptor, and headphones. 5 1/8 x 1 1/8 x 5 7/8 in; 10.2 oz \$179

SL-S331 Portable CD Player

1-bit MASH D/A conversion. Features heat-resistant polycarbonate body; dual-aspheric-surface glass lens. Switchable treble-cut filter for listening privacy; resume play; auto turn-off; backlit LCD. Operates on 2 AA batteries for 7 hrs. Includes open-air headphones, AC adaptor, and interconnect cable. Car power adaptor, car cassette adaptor, and car mounting plate optional. 10.2 oz without batteries. 5 1/8 x 1 1/8 x 5 7/8 in \$170

SL-S150 Portable CD Player

8x oversampling, dual D/A converters. Features heat-resistant polycarbonate body; disc-locking spindle with pop-up eject; dual-aspheric-surface glass lens; 18-bit digital filter. Switchable treble-cut filter for listening privacy; resume play; auto turn-off; LCD. Operates on 2 AA batteries for 8 hrs. Includes open-air headphones and AC adaptor. Car power adaptor, car cassette adaptor, and car mounting plate optional. 9.3 oz without batteries. Dimensions: 5 1/8 x 1 1/8 x 5 3/4 in \$140

PARAMOUNT PICTURES

SCP-110 CD Controller

Controls NSM and Philips 100-disc CD changers. Displays of song title, disc title, artist, and record label from database of over 40,000 CDs; disc access by artist, song, music type or disc title; 5 play-list modes; disc/track programming; random play; scan; remote control. Rosewood side panels \$8,600

PARASOUND

D/AC-2000 D/A Converter

18-bits D/A converter. Coaxial, fiber-optic, AT&T, and BNC inputs; 2 variable RCA outputs; 1 variable balanced-XLR output. Polarity-inversion switch; remote control. Frequency response 5-20,000 Hz ± 0.1 dB; total harmonic distortion 0.05%; signal-to-noise ratio 108 dB. Dimensions: 19 x 3 1/2 x 10 in \$1,535

D/AC-1000 D/A Converter

8x oversampling, dual 20-bit Burr-Brown PCM D/A converters. Features 3 separate power transformers; 9 regulators; de-emphasis circuit with indicator. AT&T ST, Toslink, and coaxial digital inputs; Tiffany gold-plated connectors; digital output. Selectable sampling rate, polarity-inversion switch. Frequency response 5-20,000 Hz ± 0.25 dB; signal-to-noise ratio 103 dB \$695

C/DT-1500 CD Transport

AT&T, Toslink, and coaxial digital outputs. Infrared repeater; wireless remote control. Dimensions: 19 x 3 1/2 x 10 inches \$599

D/AC-800 D/A Converter

8x oversampling, hybrid 1-bit/18-bit ladder Burr-Brown PCM D/A converter. Features two power transformers; de-emphasis circuit with indicator; glass-epoxy circuit boards. Toslink and coaxial digital inputs. Auto input selection; selectable sampling rate; polarity-inversion switch \$395

C/DX-88 CD Player

8x oversampling, dual 18-bit D/A converters. Features 3-beam laser pickup; regulated power supply. Digital output; headphone jack; gold-plated outputs. 20-track programming; repeat; remote control. Frequency response 5-20,000 Hz; total harmonic distortion 0.002%; signal-to-noise ratio 110 dB \$370

PHILIPS

CD-950 CD Player

Dual 1-bit Bitsream D/A converters. Features CDM-9 laser mechanism; metal construction with aluminum front panel. Coaxial and fiber-optic digital outputs; gold-plated headphone jack with volume control. 20-track programming; intro scan; random play; repeat; program memory for 256 CDs; tape edit; direct track access; synchro play with compatible cassette decks; music calendar; dot-matrix FL display; remote control \$600

CDC-935 5-Disc CD Changer

Dual 1-bit D/A converters, 5-disc carousel. Coaxial digital output; headphone jack with volume control. Ability to change 3 discs while one plays; 20-track programming; random play; direct track access; program memory for 256 CDs; multiple tape-edit modes; 3 user presets; music calendar; FL display; remote control \$300

CDC-925. As above, without coaxial digital output or program memory \$250

CDC-915. As CDC-925, without headphone jack \$230

CD-920 CD Player

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

CD-910 CD Player

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

PINK TRIANGLE

Dacapo D/A Converter

1-bit D/A conversion. Features dual-mono construction: 18- or 20-bit filter blocks; triple PLL circuits; 19 regulated power supplies. Coaxial, Toslink, ST, and AES inputs. Passive volume control. FR 2-21,000 Hz ± 0.1 dB; THD 0.004%. Dimensions: 18 x 3 x 14 in; weight: 11 lb \$2,595
Optional DC-battery power supply \$2,395

Ordinal D/A Converter

Dual 1-bit D/A converters. Features DAC7 Bitstream chip set; dual-mono construction with changeable 18- or 20-bit filter blocks; active re-clocking PLL; separate regulated power supplies for analog and digital sections. Coaxial, Toslink, ST, and AES inputs. FR 2-21,000 Hz ± 0.1 dB; THD 0.005%. 9 x 3 x 14 in; 7 lb \$1,395

PIONEER

CD changer magazines are compatible with Pioneer's car CD changers.

CAC-V3000 300-Disc CD Changer

Features two independent laser pickups providing zero wait time between tracks. PC control interfaces. Cross fading \$5,400

CLD-V920 Karaoke Combi-Player System

Includes combi-player, cassette deck, amplifier, and

two 2-way speakers. Plays CDs, videodiscs, and Laser Karaoke discs. Features DSP for concert-hall, stage, and arena sound fields and pop, jazz, ballad, and chorus vocal effects. 2 mic inputs. Dual-side videodisc play; lead-vocal removal; lead-vocal volume control; digital echo control; 5-second replay key; 9-step digital musical-key controller; independent volume controls for all microphones; remote control \$1,900

CLD-D702 Combi-Player

Dual 1-bit D/A converters. Plays CDs and videodiscs. Features CX NR; digital time-base corrector; separate audio and video circuit boards; 8-bit digital field memory for special effects; 3-line digital comb filter; soft-picture video-NR mode; CD-direct mode with video-circuitry defeat. 2 S-video outputs; 2 gold-plated A/V outputs; fiber-optic and coaxial digital outputs. Dual-side videodisc play; 9-speed forward/reverse CAV/CLV videodisc play; forward/reverse CAV/CLV videodisc still/step play; digital level control; multiple tape-edit modes; last-picture memory; videodisc intro scan; CD highlight scan; track/time CD search; 8 repeat modes; 24-chapter/track programming; random play; frame-number search for CAV discs; time-number search for CLV discs; direct chapter/track access; film mode to defeat FL and on-screen displays; front-panel and remote jog/shuttle controls; on-screen displays with level meters; two contents/music calendars; SR-system remote-control compatibility; illuminated remote control. Frequency response 4-20,000 Hz; total harmonic distortion 0.0017%; S/N 116 dB; dynamic range 99 dB. Dimensions: 16 1/8 x 5 3/8 x 17 1/8 in \$1,200

CLD-V820 Karaoke Combi-Player

Plays CDs, videodiscs, and Laser Karaoke discs. Features DSP for concert-hall, stage, and arena sound fields and pop, jazz, ballad, and chorus vocal effects. 2 mic inputs; headphone jack. Dual-side videodisc play; lead-vocal removal; lead-vocal volume control; digital echo control; 5-second replay key; 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-D502 Combi-Player

1-bit D/A converter. Plays CDs and videodiscs. Features CX NR; CD-direct mode with video-circuitry defeat. 2 A/V outputs. Dual-side videodisc play; last-picture memory; 9-speed forward/reverse CAV-videodisc play; forward/reverse CAV-videodisc still/step play; digital level control; front-surround mode; multiple tape-edit modes; frame-number search for CAV discs; time-number search for CLV discs; track/time CD search; videodisc intro scan; CD highlight scan; 8 repeat modes; random play; 24-chapter/track programming; direct chapter/track access; film mode to defeat FL and on-screen displays; front-panel shuttle ring; contents/music calendar; on-screen displays including level meters; SR-system remote-control compatibility; remote control. FR 4-20,000 Hz; THD 0.0025%; S/N 113 dB; dynamic range 98 dB. 16 1/8 x 5 3/8 x 17 1/8 in \$760

CLD-M401 5-Disc Combi-Changer

1-bit D/A conversion, 5-disc CD tray combined with videodisc tray. Plays CDs and videodiscs. Features videodisc play without removing CDs; CX NR. 2 A/V outputs; fiber-optic output; S-video output; headphone jack with volume control. Auto digital level control; multiple tape-edit modes; CD time search; 9-speed forward/reverse CAV-videodisc play; still/step CAV-videodisc play; last-picture memory; frame-number search for CAV discs; time-number search for CLV discs; videodisc intro scan; CD highlight scan; 5 repeat modes; front-surround mode; 24-chapter/track programming; one/all-disc CD random play; direct chapter/track access; chapter/track search; synchro play with compatible cassette decks; front-panel and remote shuttle rings; contents/music calendar; on-screen displays including level meters; SR-system remote-control compatibility; remote control. Frequency response 4-20,000 Hz; total harmon-

lc distortion 0.0025%; S/N 112 dB; dynamic range 98 dB. Dimensions: 16 $\frac{1}{2}$ x 5 $\frac{1}{2}$ x 17 $\frac{1}{4}$ in \$760
CLD-M301. As CLD-M401, 1 A/V output. Without 9-speed forward/reverse play, fiber-optic output, S-video output, or shuttle rings. THD 0.003%; S/N 102 dB; dynamic range 96 dB. 16 $\frac{1}{2}$ x 5 $\frac{1}{2}$ x 17 $\frac{1}{2}$ in \$650

CAC-V180M 18-Disc CD Changer

Three 6-disc cartridges. RS-232C computer interface. Multiple-unit linking capability. 9 x 6 $\frac{1}{2}$ x 17 $\frac{1}{2}$ in \$600

CLD-S201 Combi-Player

1-bit D/A converter. Plays CDs and videodiscs. Features separate CD tray telescoped within videodisc tray, CD-direct mode with video-circuitry defeat, CX NR. Digital level control; multiple tape-edit modes; track time CD search; last-picture memory; videodisc Intro scan; CD highlight scan; frame-number search for CAV discs; time-number search for CLV discs; 7 repeat modes; 9-speed forward/reverse CAV-videodisc play; forward/reverse CAV-videodisc still/step play; 24-chapter/track programming; random play; direct chapter/track access; synchro play with compatible cassette decks; front-panel shuttle ring; on-screen displays including level meters, contents/music calendar; SR-system remote-control compatibility; remote control. FR 4-20,000 Hz; THD 0.003%; S/N 102 dB; dynamic range 96 dB. 16 $\frac{1}{2}$ x 4 $\frac{1}{2}$ x 15 $\frac{1}{2}$ in; 15.9 lb \$535

PD-TM3 18-Disc CD Changer

1-bit D/A converter, three 6-disc magazines. Features DSP for jazz, church, dance, hall, and stadium sound fields. Headphone jack with volume control. Direct track access; multiple tape-edit modes; auto digital level control; remote level control; digital fader; delete play; last-position memory; 48-track programming; highlight scan; 7 repeat modes; normal/delete random play; synchro play with compatible cassette decks; FL display; remote control. S/N 102 dB; dynamic range and ch sep 96 dB. 16 $\frac{1}{2}$ x 7 x 13 $\frac{1}{2}$ in \$510

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; delete play; highlight scan; tape edit; synchro play with compatible cassette decks; digital fader; random play; 7 repeat modes; magazine memory for programmed/deleted tracks; FL display; SR-system remote-control compatibility; remote control. Includes single-disc loader. S/N 102 dB; dynamic range and ch sep 96 dB. 16 $\frac{1}{2}$ x 7 x 13 in; 14.9 lb \$510

PD-DM902 12-Disc CD Changer

1-bit D/A converter, two 6-disc magazines. Features DSP for jazz, church, dance, hall, and stadium sound fields. Headphone jack with volume control. Direct track access; multiple tape-edit modes; delete play; auto digital level control; digital fader; highlight scan; last-position memory; remote level control; synchro play with compatible cassette decks; 40-track programming; 7 repeat modes; normal/delete random play; FL display; remote control. S/N 102 dB; dynamic range and channel separation 96 dB. Dimensions: 16 $\frac{1}{2}$ x 5 $\frac{1}{2}$ x 12 $\frac{1}{2}$ in \$435
PD-DM802. As above, without DSP \$375

PD-M702 6-Disc CD Changer

1-bit D/A converter, 6-disc magazine. Headphone jack with volume control. Direct track access; delete play; multiple tape-edit modes; music-type labeling and memory for 10 magazines; auto digital level control; remote level control; digital fader; highlight scan; last-disc memory; synchro play with compatible cassette decks; 32-track programming; 7 repeat modes; normal/delete random play; remote control. S/N 102 dB; dynamic range 96 dB. 16 $\frac{1}{2}$ x 4 $\frac{1}{2}$ x 11 $\frac{1}{4}$ in \$300

PD-M552. As above, without direct track access or headphone jack. S/N 98 dB \$275
PD-M502. As PD-M552, no remote control \$260

PD-202 CD Player

1-bit D/A converter. Headphone jack with volume control. Multiple tape-edit modes; remote digital level control; direct track access; highlight scan; peak search; synchro play with compatible cassette decks; 24-track programming; random play; 5 repeat modes; defeatable FL display with 20-track music calendar; remote control. S/N 102 dB; dynamic range 96 dB. 16 $\frac{1}{2}$ x 4 x 11 in \$220
PD-102. As above, without digital level control or remote control. S/N 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 $\frac{1}{2}$ x 6 x 17 $\frac{1}{2}$ in; 38.6 lb \$3,000

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; THD 0.0018%; S/N 112 dB; dynamic range 98 dB; ch sep 108 dB. 18 $\frac{1}{2}$ x 5 $\frac{1}{2}$ x 13 in; 26.4 lb \$1,200

CLD-52 Combi-Player

Dual 1-bit D/A converters. Features digital 3-line comb filter; CD-direct mode. 2 A/V outputs; 2 S-video outputs; fiber-optic and coaxial digital outputs; gold-plated terminals. Dual-side videodisc play; 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; THD 0.0017%; S/N 115 dB; dynamic range 99 dB; ch sep 105 dB. 17 $\frac{1}{2}$ x 5 $\frac{1}{2}$ x 17 $\frac{1}{2}$ in; 20.1 lb \$950

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; THD 0.002%; S/N 111 dB; dynamic range 98 dB; ch sep 107 dB. 18 $\frac{1}{2}$ x 5 $\frac{1}{2}$ x 13 in; 20.9 lb \$800

PD-M51 6-Disc CD Changer

Dual 1-bit D/A converters, 6-disc magazine. Features semi-centered 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; program 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; THD 0.002%; S/N 110 dB; dynamic range 98 dB; ch sep 105 dB. 16 $\frac{1}{2}$ x 5 $\frac{1}{2}$ 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; tape edit; defeatable display; remote control. FR 2-20,000 Hz; THD 0.0021%; S/N 110 dB; dynamic range 98 dB; ch sep 106 dB. 17 $\frac{1}{2}$ x 5 $\frac{1}{2}$ x 10 $\frac{1}{2}$ in; 11 lb \$500

PD-32 CD Player

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

PROCEED

Proceed CD Library 100-Disc Changer

8x oversampling, 18-bit D/A converter, 100-disc jukebox. Digital output; single-ended/balanced fixed and variable line-level outputs. 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; THD 0.004%; S/N 105 dB; ch sep 120 dB. 33 $\frac{1}{4}$ x 21 $\frac{1}{2}$ x 21 $\frac{1}{2}$ in \$12,000
 Above without top cover for custom installations \$10,000
Proceed CD Transport. Transport-only version of CD Library \$9,000
 Transport without top cover for custom installations \$7,000

PCD-3 CD Player

8x oversampling, 20-bit D/A converter. Aluminum frame; lead-filled antivibration base. 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. 8 $\frac{3}{4}$ x 9 x 13 $\frac{1}{4}$ 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; S/N 107 dB; dynamic range 104 dB; ch sep 120 dB. 8 $\frac{3}{4}$ x 3 $\frac{3}{4}$ x 15 $\frac{1}{2}$ in; 22 lb \$2,495

PDT 3 CD Transport

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

PS AUDIO

UltraLink Generation Two D/A Converter

8x oversampling, UltraAnalog 20-bit D/A converter. Features 3-pole modified Bessel filter; 9 separate regulation stages; 3 power supplies; 3 bridge rectifiers; Class A output. Coaxial, AT&T fiber-optic, AES/EBU, and Toslink inputs; balanced-XLR and single-ended coaxial outputs; digital output; gold-plated connectors. FR 20-20,000 Hz \pm 0.5 dB; THD 0.01%. 17 x 2 $\frac{1}{2}$ x 9 in; 15 lb \$2,295

Lambda CD Transport

Features Philips CDM-9 mechanism; glass fiber-optic signal path; low-mass swing arm; digital laser servo; spatial filter; 3 separate power supplies; 13 individual stages of regulation. Coaxial-digital output; choice of AT&T fiber-optic or AES/EBU-balanced output. 17 x 3 $\frac{1}{4}$ x 15 in \$1,895
 Coaxial digital output only \$1,695

QUAD

Quad 67 CD Player

64x oversampling, 18-bit delta-sigma Crystal Semiconductor D/A converter. Features Philips CDM-9 mechanism; MOSFET Class A final-stage amplifier. Digital and analog outputs. Track programming; remote control. FR 4-21,000 Hz \pm 0.1 dB; THD 0.002%; S/N 114 dB. 12 x 3 x 9 in; 8 lb \$1,699

QUASAR

GXD700 Portable CD System

1-bit MASH D/A converter. Features CD player with 16-track programming; double cassette deck with 2-cassette sequential play, high-speed tape dubbing;

Ray Manzarek
changed music.

We're making
sure he doesn't
do it as often.

*Ray Manzarek, co-founder of
the Doors, keyboardist, composer,
producer, Nakamichi aficionado.
The new MB-4s plays 7 CDs
while the MusicBank Organizer
stores their cases*



Place seven of Ray's CDs in the Nakamichi MusicBank™ System and you'll truly appreciate the sonic innovations of a legendary keyboardist and his preferred components. The MB-4s is significantly faster, quieter, and smaller than ordinary carousel players. Yet it costs about the same. Which, in a breakthrough Nakamichi CD player, may be the biggest breakthrough of all.

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Sanyo MCD-S860

digital AM/FM tuner with 10 AM/10 FM presets; detachable 2-way speakers; headphone jack. Operates on 10 D and 4 AA batteries. FR 20-20,000 Hz - 2 dB; S/N 95 dB. 25½ x 10 x 8½ in; 16 lb \$280

CD850 Portable CD Player

1-bit MASH D/A converter. 18-track programming; random play; bass boost; illuminated LCD; remote control. Includes headphones, interconnect cable, Ni-Cd rechargeable batteries, AC adaptor/charger, car cassette and power adaptors, CD holder, and carrying case. FR 20-20,000 Hz - 1.5 dB; S/N 96 dB. 5 x 1 x 5¾ in; 13 oz \$270

CD893 5-Disc CD Changer

1-bit MASH D/A converter. 5-disc front-loading bidirectional carousel. 32-track programming; 3 random-play modes; repeat play; FL display; remote control. FR 2-20,000 Hz + 1 dB; S/N 100 dB. 17 x 5½ x 15¾ in; 11 lb \$250

CD853. As above, without remote control. Carousel not bidirectional. 14¼ x 5 x 15¼ in \$230

GXD600 Portable CD System

1-bit MASH D/A converter. Features CD player with 16-track programming; double cassette decks; digital AM/FM tuner with 10 AM/10 FM presets; 2 speakers; headphone jack. Operates on 10 D and 4 AA batteries. 24 x 7½ x 10¾ in; 12 lb \$220

CD800 Portable CD Player

1-bit MASH D/A converter. Headphone jack. Switchable bass boost; wired remote control. Includes AC power supply and rechargeable batteries \$190

CD832 CD Player

1-bit MASH D/A converter. 20-track programming; track skip/scan; repeat; FL display with music calendar. FR 2-20,000 Hz + 1 dB; S/N 100 dB. 14½ x 3¾ x 11 in; 7 lb \$180

RCA

The following feature a 1-yr warranty.

RP6001 Portable MD Player

8x oversampling. Features anti-shock memory. Line-level output; headphone jack. 32-track programming; bass boost; random/repeat play; intro scan; music calendar; LCD; earphones with wired remote control. Operates on 3 AA batteries. Includes AC adaptor, interconnect cable, and carrying case. 3¼ x 5¾ x 1½ in \$600

RP7977 Portable CD System

Features front-loading CD player with 20-track programming, repeat play; autoreverse cassette deck; digital AM/FM tuner with 10 AM/FM presets; EQ presets; two 2-way speakers; music calendar; LCD; headphone jack; remote control. Operates on 8 D and 4 AA batteries. 19¾ x 6¾ x 8 in \$330

RP7958 Portable CD System

Features CD player with 21-track programming, intro scan, random/repeat play; double cassette deck with one transport autoreverse play-only, other transport record/play, synchro tape dubbing; analog AM/FM

tuner; 5-band graphic EQ; bass boost; detachable 2-way speakers; music calendar; LCD; headphone jack; line-level CD output; remote control. 16¾ x 11½ x 8½ in \$300

RP8055 5-Disc CD Changer

8x oversampling, dual 18-bit D/A converters, 5-disc front-loading carousel. 32-track programming; random play; FL display; remote control \$220

RP7950 Portable CD System

Features CD player with 21-track programming, intro scan, random/repeat play; double cassette deck with synchro tape dubbing; AM/FM tuner; 5-band graphic EQ; bass boost; two detachable 2-way speakers; music calendar; LCD; headphone jack; line-level CD output. Operates on 8 D batteries \$200

RP7962 Portable CD Player

Features CD player with 21-track programming, intro scan, random/repeat play, 2-cassette sequential play; double cassette deck with synchro tape dubbing; AM/FM tuner; bass boost; 3-band graphic EQ; two 2-way speakers; LCD; headphone jack; line-level CD output. Operates on 8 D batteries. 25½ x 8½ x 8½ in \$200

RP7905 Portable CD Player

8x oversampling. Features anti-shock memory. Line-level output; headphone jack. 22-track programming; bass/treble boost; repeat play; music calendar; LCD. Operates on 2 AA batteries. Includes earphones, AC adaptor, interconnect cable, and carrying case. 5 x 6¾ x 1½ in \$200

RP8030 3-Disc CD Changer

8x oversampling, dual 16-bit D/A converters, 3-disc front-loading drawer. 20-track programming; random play; 6 repeat modes; music calendar; LCD; remote control. 11 x 4¾ x 14½ in \$190

RP7964 Portable CD System

Features top-loading CD player with 21-track programming, intro scan, random/repeat play; autoreverse cassette deck; AM/FM tuner; bass boost; 3-band graphic EQ; two 2-way speakers; headphone jack; LCD. Operates on 8 D batteries. 22½ x 7½ x 8 in \$170

RP7971 Portable CD System

Features top-loading CD player with 21-track programming, intro scan, random play, repeat; double cassette deck with 2-cassette sequential play, high-speed tape dubbing; 3-band graphic EQ; 2 speakers; headphone jack; LCD. Operates on 8 D batteries. 21¾ x 7 x 8 in \$170

RP7944 Portable CD System

Features CD player with 21-track programming, random/repeat play, intro scan; cassette deck; AM/FM tuner; bass/treble boost; 2 speakers; headphone jack; LCD. Operates on 6 D batteries. 19 x 7½ x 8 in \$150

RP7902 Portable CD Player

8x oversampling. Line-level CD output; headphone jack. 16-track programming; bass boost; random/

repeat play; intro scan; function hold; LCD. Operates on 2 AA batteries. Includes AC adaptor, samarium cobalt headphones, interconnect cable, and carrying case. 5 x 6 x 1½ in \$140

CD1051M CD Player

2x oversampling, dual 16-bit D/A converters. 20-track programming; LED display; remote control. 14 x 3¾ x 11¾ in \$130

ROTEL

RCD965BX CD Player

Philips SAA7323 Bitstream D/A conversion. Features hand-selected analog-filter components. Remote control \$550

RCC940AX. 5-disc CD changer with Bitstream D/A conversion \$500

RCD955AX CD Player

4x oversampling, Philips 16-bit D/A conversion. Features balanced circuitry. Remote control \$450

SAMSUNG

PCD720 Portable CD System

16-bit D/A conversion. Features CD player with 16-track programming, 3-beam laser pickup, random/repeat play, intro scan; double cassette deck with high-speed tape dubbing, tape-bias selector; AM/FM tuner; two detachable 2-way speakers; music calendar; headphone jack. Operates on 9 D batteries. 4 W x 2 rms with 10% THD. 25 x 9½ x 8¾ in \$260

RCD1365 Portable CD System

16-bit D/A conversion. Features CD player with 16-track programming, 3-beam laser pickup, random/repeat play, intro scan; double cassette deck with high-speed tape dubbing; AM/FM tuner; two speakers; music calendar; headphone jack. Operates on 6 D batteries. 2 W x 2 rms with 10% THD. 22½ x 7 x 8¼ in \$210

RCD985 Portable CD System

16-bit D/A conversion. Features CD player with 16-track programming, 3-beam laser pickup, random/repeat play, intro scan; cassette deck; AM/FM tuner; two speakers; headphone jack. Operates on 6 D batteries. 3.5 W x 2 with 10% THD \$180

MYCD3 Portable CD Player

Line-level output; headphone jack. Random/repeat play; track skip; LCD. Includes AC adaptor and headphones. Operates on 4 AA batteries. Headphone output 15 mW x 2 with 10% THD \$180

SANSUI

CD-X317 CD Player

Eight 1-bit MASH D/A converters. Centered tray orientation. 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 \$329

CD-390M 5-Disc CD Changer

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

CD-117K Karaoke CD Player

8x oversampling, dual D/A converters. Features 3-beam laser pickup. Mic input. Karaoke vocal suppression; echo switch; mic volume control; 25-track programming; random play; 5 repeat modes; track skip/scan; remote control. FR 8-20,000 Hz ± 1 dB; THD 0.08%; S/N 100 dB; dynamic range 90 dB, ch sep 85 dB. 17 x 3¾ x 11½ in; 7 lb \$235

CD-270 CD Player

25-track programming; random play; 5 repeat

modes; track skip/scan; remote control. FR 4-20,000 Hz \pm 1 dB; THD 0.08%; S/N 100 dB. 17 x 3 $\frac{3}{8}$ x 11 $\frac{1}{8}$ in; 7 lb \$199

SANYO

MDG-P1 Portable MD Player

8x oversampling, 18-bit D/A converter. Features anti-shock buffer memory; 3-beam laser pickup. Headphone jack. 32-track programming; intro scan; track scan; 3 repeat modes; function hold; auto power off; battery-level indicator; LCD; wired remote control. Includes rechargeable battery, carrying case, AC adaptor, and adaptor for AA batteries. FR 20-20,000 Hz \pm 3 dB; THD 0.09%; S/N 95 dB; dynamic range and ch sep 85 dB at 1,000 Hz. 3 $\frac{1}{2}$ x 1 $\frac{1}{2}$ x 5 $\frac{1}{4}$ in; 15 oz \$600

MCD-S860 Portable CD System

Features top-loading CD player with 16-track programming, 3-beam laser pickup, skip/search, repeat; double cassette deck with autoreverse for one transport, high-speed tape dubbing, 2-cassette sequential play; analog AM/FM tuner; 3-band EQ; two detachable 2-way speakers; headphone jack. Operates on 8 D batteries \$190

CDP-55 Portable CD Player

1-bit D/A converter. Switchable anti-shock buffer memory; 3-beam laser pickup. Line-level output; headphone jack. 16-track programming; 3 repeat modes; track skip; auto power off; LCD. Operates on 2 AA batteries. Includes car power and cassette adaptors, Ni-Cd rechargeable battery, AC adaptor, interconnect cable, and headphones \$180

MCD-S850 Portable CD System

Top-loading CD player with 16-track programming, 3-beam laser pickup, track skip/scan, repeat play; double cassette deck with autoreverse for one transport, high-speed tape dubbing, synchro CD dubbing, 2-cassette sequential play; analog AM/FM tuner; 3-band EQ; two detachable speakers; headphone jack. Operates on 8 D batteries. Dynamic range and ch sep 73 dB. 29 x 9 $\frac{3}{4}$ x 8 $\frac{3}{4}$ in; 13 lb \$180

MCD-S750 Portable CD System

Features top-loading CD player with 3-beam laser pickup, 16-track programming, track skip/search, repeat; cassette deck with CD dubbing; analog AM/FM tuner; 3-band graphic equalizer; two detachable 2-way speakers; LED display. Operates on 8 D batteries \$170

MCD-Z43 Portable CD System

Features CD player with 3-beam laser pickup, 16-track programming, track skip/scan, repeat; double cassette deck with autoreverse for one transport, high-speed tape dubbing, 2-cassette sequential play; AM/FM tuner; two speakers; headphone jack. Operates on 8 D batteries \$170

MCD-Z41. As above, without autoreverse \$150
MCD-Z31. As MCD-Z41, without bass boost \$140

CDP-45 Portable CD Player

1-bit D/A converter. Features 3-beam laser pickup. Line-level output; headphone jack. 3 EQ presets; 16-track programming; 3 repeat modes; track skip; auto power-off; LCD. Operates on 2 AA batteries. Includes AC adaptor, Ni-Cd rechargeable batteries, interconnect cable, and headphones \$120

CDP-31 Portable CD Player

8x oversampling, 16-bit D/A converter. Features 3-beam laser pickup. Bass boost; 22-track programming; 3 repeat modes; track skip; auto power-off; LCD. Includes AC adaptor, interconnect cable, and headphones \$100

MCD-Z1 Portable CD System

Features CD player with 3-beam laser pickup, 16-track programming, skip search, repeat; analog AM/FM tuner; cassette deck with synchro CD dubbing; two speakers; headphone jack. Operates on 8 D batteries \$100

SHARP

MD-D10 Portable MD Player

Headphone jack. LCD displays of artist name, album title, and current-song title; bass boost; switchable headphone-sound-leakage filter; random play; skip/scan. Includes open-air headphones. Sampling rate 44,100 Hz; FR 20-20,000 Hz \pm 1 dB. 3 $\frac{3}{8}$ x 1 $\frac{1}{4}$ x 4 $\frac{3}{8}$ in; 11.6 oz \$600

MD-S10. As above, without LCD. Features earphones with LCD remote control \$550

GX-CD510 Portable CD System

Features top-loading CD player with 20-track programming, delete play, track search, random/repeat play; double cassette deck with high-speed tape dubbing, synchro CD dubbing; analog AM/FM tuner; 3-band graphic EQ; bass boost; detachable 2-way speakers; headphone jack; line-level CD output. Operates on 8 D batteries. 5 W rms x 2 with 10% THD; dynamic range 90 dB \$250

WQ-CH600 7-Disc Portable CD System

Features front-loading 6-disc CD changer and single-disc tray with 3-beam laser pickup, track search, random play, 32-track programming; double cassette deck with synchro CD dubbing, 2-cassette sequential play, high-speed tape dubbing; analog AM/FM tuner; 3-band EQ; variable bass boost; two 2-way speakers. Operates on 8 D batteries. 3 W x 2 rms with 10% THD. 17 $\frac{1}{4}$ x 9 $\frac{7}{8}$ x 9 $\frac{1}{2}$ in \$250

WQ-CD240 Portable CD System

Features CD player; double cassette deck with high-speed tape dubbing; AM/FM tuner; tone control; two speakers; LCD. Operates on 8 D batteries. 2.5 W x 2 rms with 10% THD \$180

QT-CD44 Portable CD System

CD player; cassette deck with synchro CD dubbing; AM/FM tuner; tone control; two speakers; LCD. Operates on 8 D batteries \$180

SHERWOOD

CDC-5030R 5-Disc CD Changer

1-bit D/A converter, 5-disc front-loading carousel. Features 3-beam laser pickup. Headphone jack with volume control. 32-track programming, direct track access; random play; 7 repeat modes; timer; music calendar; FL display; remote control; Sherwood Digi-Link III system remote-control compatibility \$275

CD-3030R CD Player

1-bit D/A converter. Features 3-beam laser pickup. Headphone jack with volume control. 20-track programming; random play; 5 repeat modes; Intro scan; delete play; synchro play with compatible cassette decks; direct track access; tape edit; music calendar; FL display; Sherwood Digi-Link III system remote-control compatibility; remote control \$195

CD-3010R CD Player

8x oversampling, dual 18-bit D/A converters. Features multiregulated power supply; 3-beam laser pickup. Gold-plated headphone jack with volume control. 20-track programming; random/repeat play; intro scan; auto space; direct track access; music calendar; Sherwood Digi-Link II system remote-control compatibility; remote control. FR 20-20,000 Hz \pm 0.5 dB; S/N 103 dB; dynamic range 95 dB; ch sep 100 dB. 17 $\frac{1}{4}$ x 3 $\frac{1}{8}$ x 9 $\frac{1}{2}$ in; 7 lb \$180

SONY

CDP-CX100 100-Disc CD Changer

100-disc internal storage. Fiber-optic digital output; gold-plated variable line-level output. Memory for deletions and output levels; delete play; direct track access; 20-track music calendar. 17 x 10 $\frac{1}{2}$ x 17 in \$1,200

MDP-800 Combi-Player. Dual-side play; 8-bit digital memory; digital comb filter; dropout compensation. Fiber-optic digital output; 2 S-video outputs; 2-speed scan; jog/shuttle control \$1,199

MDP-K5 Karaoke Combi-Player. Digital echo; 17-step pitch control. S-video output. Includes microphone \$1,199

MDP-600 Combi-Player. Dual-side play; digital time-base corrector; comb filter; dropout compensation. S-video output. Shuttle control \$799

MDP-455 Combi-Player. Digital time-base corrector; comb filter; dropout compensation. S-video output \$599

MDS-101 MD Player/Recorder

Features gallium-aluminum-arsenic double-hetero-diode laser. Line-level inputs and outputs; fiber-optic digital input and output; headphone jack. Auto scan for blank space; ability to create up to 255 cueing points; ability to combine two or more tracks into one; track/disc erase; track reordering; ability to store 1,700 characters of information per disc; random play; repeat; remote control. Includes blank disc and interconnect cable. Sampling rate 44,100 Hz. 9 x 3 x 11 $\frac{1}{2}$ in. 6.4 lb \$1,000

MZ-1 Portable MD Player/Recorder

Features 10-second anti-shock buffer memory. Fiber-optic digital inputs and outputs; line-level mini-jack input and output; mic input; headphone jack. 16-character disc titling; auto track numbering; date and time memo; switchable dynamic bass boost; auto/manual record-level adjustment; auto/manual mic-gain control; direct track access; random play; repeat; backlit LCD. Includes Ni-Cd rechargeable battery for 60-min record or 75-min play, AC adaptor, headphones, carrying case, interconnect cable, and blank disc. 4 $\frac{1}{2}$ x 1 $\frac{3}{4}$ x 5 $\frac{1}{2}$ in \$750

MZ-2P Portable MD Player

Features 10-second anti-shock buffer memory. Fiber-optic digital outputs; line-level mini-jack output; headphone jack. Shuttle-ring cue/review; switchable dynamic bass boost; random play; repeat; backlit LCD. Includes Ni-Cd rechargeable battery for 75-min play, AC adaptor, headphones, carrying case, and interconnect cable. Car accessories optional. 4 $\frac{1}{2}$ x 1 $\frac{3}{4}$ x 5 $\frac{1}{2}$ in; 1.5 lb with battery \$550

CDP-C910 10-Disc CD Changer

10-disc magazine. Headphone jack. Program memory for 184 discs; direct track access; peak search; random play; 7 repeat modes; remote control. FR 20-20,000 Hz \pm 0.3 dB; THD 0.003%; S/N 110 dB; dynamic range 100 dB; ch sep 105 dB. 17 x 4 $\frac{3}{4}$ x 13 in \$480

CFD-703 Portable CD System

1-bit D/A converter. Features front-loading CD player with 16-track programming, repeat, intro scan; double cassette deck with autoreverse for both transports, 2-cassette sequential play, synchro high-speed CD dubbing, normal/high-speed tape dubbing; AM/FM tuner with 12 AM/12 FM presets; 5 EQ presets; bass boost; two speakers; timer; LCD; remote control. Operates on 8 D and 4 AA batteries. 7.5 W x 2. 20 $\frac{7}{8}$ x 7 $\frac{7}{8}$ x 9 $\frac{1}{8}$ in; 13 lb without batteries \$450

CDP-C735 5-Disc CD Changer

Features 45-bit digital filter; digital servo control. Fiber-optic digital output; headphone jack with volume control. DSP for 7 modes with adjustable EQ and reverb; 184-disc memory for DSP-mode, volume, and program, direct track access, track scan; 20-track music calendar; dot-matrix display; remote control. FR 20-20,000 Hz \pm 0.5 dB; THD 0.0025%; S/N 116 dB; dynamic range 100 dB; ch sep 110 dB. 17 x 5 x 15 $\frac{1}{4}$ in \$430

CFD-768 Portable CD System

1-bit D/A converter. Features front-loading CD player with 16-track programming, 4 repeat modes, intro scan; double cassette deck with autoreverse record/play for one transport, normal/high-speed tape dubbing, synchro CD dubbing; AM/FM tuner with 12 AM/12 FM presets; dynamic bass boost; 5 EQ presets; two detachable 2-way speakers; timer; headphone jack; backlit LCD; remote control. Operates on 10 D and 4 AA batteries. 10 W x 2. 25 x 8 $\frac{1}{4}$ x 9 $\frac{1}{2}$ in; 17.5 lb

without batteries \$390
CFD-758. As CFD-768, no autoreverse \$360
CFD-580. As CFD-758, different bass boost \$345

CDP-K1A Karaoke CD Player

Features vocal reduction circuit; 18-bit digital filter. Mic inputs; headphone jack. Pitch control; direct track access; remote fader; 20-track music calendar; remote control. FR 2-20,000 Hz ± 0.5 dB; THD 0.008%; S/N 98 dB; dynamic range 92 dB; ch sep 95 dB. 14 x 3 $\frac{3}{4}$ x 12 $\frac{1}{4}$ in. \$350

CDP-C535 5-Disc CD Changer

Features 18-bit digital filter. Variable line-level output; headphone jack with volume control. DSP for 5 modes; ability to change 4 discs while 5th plays; 400-disc memory for deletions, DSP modes, and output levels; delete play; peak search; 7 repeat modes; 32-track programming; random play; direct track access; track scan; 20-track music calendar; FL display; remote control. FR 2-20,000 Hz ± 0.5 dB; THD 0.0035%; S/N 107 dB; dynamic range 98 dB; ch sep 100 dB. 17 x 5 x 15 $\frac{1}{4}$ in. \$350

CDP-C435 5-Disc CD Changer

Features 18-bit digital filter. Variable line-level output; headphone jack with level control. Ability to change 4 discs while 5th plays; 400-disc memory for deletions and output levels; delete play; peak search; direct track access; 7 repeat modes; 32-track programming; random play; track scan; 20-track music calendar; FL display; remote control. FR 2-20,000 Hz ± 0.5 dB; S/N 107 dB; dynamic range 98 dB; THD 0.0035%; ch sep 100 dB. 17 x 5 x 15 $\frac{1}{4}$ in. \$330

D-828K Portable CD Player

1-bit D/A converter. Features 3-second anti-shock buffer memory; hydro-suspension anti-shock system; DSP for bass boost, vocal, and car modes. Line-level output; headphone jack. Surround-sound mode; auto volume-limiter system; intro scan; last-position memory; 22-track programming; repeat; switchable amber/green illumination; backlit omnidirectional wireless remote control. Operates on 2 AA batteries for 3.5 hrs. Includes AC adaptor, Interconnect cable, and car accessories. FR 20-20,000 Hz $+1$, -3 dB. 5 $\frac{1}{8}$ x 1 $\frac{1}{4}$ x 6 $\frac{1}{4}$ in; 10.5 oz without batteries \$330

D-822K. As above, without anti-shock memory. Remote control not backlit. Operates on 2 AA batteries for 5.5 hrs. \$270

CFD-570 Portable CD System

Features CD player with 20-track programming, 4 repeat modes, intro scan; double cassette deck with one transport record/play, other transport play-only, normal/high-speed tape dubbing, CD dubbing; AM/FM tuner with 20 AM/FM presets; bass boost; 3-band graphic EQ; two detachable speakers; headphone jack; backlit LCD; remote control. Operates on 10 D and 3 AA batteries. 6 W x 2. 27 $\frac{1}{4}$ x 10 x 9 $\frac{1}{4}$ in; 20.8 lb with batteries \$320

D-321 Portable CD Player

1-bit D/A converter. Features switchable 3-second anti-shock buffer memory; DSP for bass boost, vocal, and car modes. Line-level output; fiber-optic digital output; headphone jack. Auto volume-limiter system; last-position memory; intro scan; 22-track programming; repeat; backlit LCD. Operates on 2 AA batteries for 4 hrs or included rechargeable batteries for 2 hrs on 3-hr charge. Includes AC adaptor, headphones, interconnect cable, and carrying case. Car accessories optional. FR 20-20,000 $+1$, -3 dB. 5 $\frac{1}{8}$ x 1 x 6 in; 13.3 oz with batteries \$300

CFD-470 Portable CD System

Features CD player with 20-track programming, 4 repeat modes, intro scan; double cassette deck with one transport record/play, other transport play-only, normal/high-speed tape dubbing; AM/FM tuner with 20 presets; bass boost; 3-band EQ; two detachable 2-way speakers; headphone jack; 2 speaker outputs; timer. Operates on 8 D and 4 AA batteries. 6 W x 2. 27 $\frac{1}{4}$ x 9 $\frac{1}{8}$ x 9 $\frac{1}{2}$ in; 18.8 lb without batteries ... \$285

CDP-C335 5-Disc CD Changer

5-disc carousel. Features 18-bit digital filter. Headphone jack with volume control. Ability to change 4 discs while 5th plays; direct track access; peak search; 32-track programming; random play; 7 repeat modes; 20-track music calendar; FL display; remote control. FR 2-20,000 Hz ± 0.5 dB; THD 0.0045%; S/N 102 dB; dynamic range 98 dB; ch sep 100 dB. 17 x 5 x 15 $\frac{1}{4}$ in. \$280

CDP-C235. As above, without headphone jack or remote control. Features Sony receiver remote-control compatibility \$250

D-802K Portable CD Player

8x oversampling, dual 16-bit D/A converters. Dual-damper anti-shock system. Line-level output; headphone jack. Bass boost; last-position memory; random play; 3 repeat modes; track search/scan; illumination for controls, window, and display. Operates on 4 AA batteries for 8 hrs. Includes car accessories and AC adaptor. Car-mounting arm and remote control optional. FR 20-20,000 Hz $+1$, -3 dB. 5 $\frac{1}{2}$ x 1 $\frac{3}{4}$ x 6 $\frac{1}{8}$ in; 16.9 oz without batteries \$270

CDP-411 CD Player

Pulse D/A converter. Features 18-bit digital filter; digital servo control. Fiber-optic digital output; headphone jack with volume control. Direct track access; peak search; fader; 6 repeat modes; normal/random delete play; track programming; random play; 20-track music calendar; FL display; remote control. FR 2-20,000 Hz ± 0.5 dB; THD 0.0035%; S/N 102 dB; dynamic range 97 dB; ch sep 100 dB. 17 x 4 $\frac{3}{8}$ x 11 $\frac{5}{8}$ in. \$250

CFD-560 Portable CD System

Features CD player with 16-track programming, 4 repeat modes; double cassette deck with one transport record/play, other transport play-only, normal/high-speed tape dubbing, synchro CD dubbing; AM/FM tuner; bass boost; 4-band graphic EQ; two detachable speakers; headphone jack; backlit LCD; remote control. Operates on 8 D batteries. 4.5 W x 2. 27 $\frac{1}{2}$ x 10 x 9 $\frac{3}{8}$ in; 20.8 lb with batteries \$250

D-113CR Portable CD Player

1-bit D/A converter. Line-level output; headphone jack. 3-position switchable bass boost; 22-track programming; Intro scan; random play; repeat; LCD; wireless remote control. Operates on 2 AA batteries for 3.5 hrs or included rechargeable batteries for 2 hrs on 3-hr charge. Includes AC adaptor, headphones, and Interconnect cable. Car accessories optional. FR 20-20,000 $+1$, -3 dB. 5 x 1 $\frac{1}{4}$ x 5 $\frac{3}{8}$ in; 16 oz without batteries \$230

CFD-460 Portable CD System

Dual D/A converters. Features CD player with 16-track programming, 4 repeat modes, intro scan; double cassette deck with one transport record/play, other transport play-only, normal/high-speed tape dubbing, synchro CD dubbing; AM/FM tuner; bass boost; 4-band EQ; two detachable 2-way speakers; headphone jack. Operates on 8 D batteries. 4.3 W x 2. 26 $\frac{3}{4}$ x 11 $\frac{1}{2}$ x 7 $\frac{3}{4}$ in; 17 lb with batteries ... \$225

CFD-445. As above, single autoreverse cassette deck. Features 34-track programming; 3-band EQ. Operates on 6 D batteries. 2.3 W x 2. 23 $\frac{1}{4}$ x 6 $\frac{3}{4}$ x 7 $\frac{3}{8}$ in; 16 lb with batteries \$220

D-223 Portable CD Player

1-bit D/A converter. Line-level output; headphone jack. Bass boost; auto volume-limiter system; 22-track programming; intro scan; repeat; last-position memory; backlit LCD. Operates on 2 AA batteries for 5 hrs or included rechargeable batteries for 2 hrs on 3-hr charge. Includes AC adaptor, headphones with wired remote control, and Interconnect cable. Car accessories optional. FR 20-20,000 $+1$, -3 dB. 5 $\frac{1}{8}$ x 1 $\frac{1}{8}$ x 6 in; 10.5 oz with batteries \$200

D-220. As above, headphones without remote control \$190

CDP-311 CD Player

Pulse D/A converter. Features 18-bit digital filter;

digital servo control. Headphone jack with volume control. Direct track access; peak search; fader; 4 repeat modes; track programming; random play; 20-track music calendar; FL display; remote control. FR 2-20,000 Hz ± 0.5 dB; THD 0.0045%; S/N 100 dB; dynamic range 98 dB; ch sep 95 dB \$200

CDP-211. As CDP-311, no remote. Features Sony receiver remote-control compatibility \$180

D-122CK Portable CD Player

1-bit D/A converter. Line-level output; headphone jack. Switchable 3-position bass boost; auto volume-limiter system; 22-track programming. Operates on 2 AA batteries for 8 hrs. Includes car accessories, interconnect cable, and AC adaptor. FR 20-20,000 Hz $+1$, -3 dB. 5 $\frac{1}{8}$ x 1 $\frac{1}{4}$ x 6 in; 10.9 oz with batteries \$200

CFD-454 Portable CD System

Features CD player with random play, repeat; cassette deck with synchro CD dubbing; AM/FM tuner; 5-band graphic EQ; detachable 2-way speakers; headphone jack. Operates on 8 D batteries. 4.5 W x 2. 26 $\frac{3}{8}$ x 11 $\frac{3}{8}$ x 7 $\frac{3}{8}$ in; 16.8 lb \$200

CFD-440 Portable CD System

Dual D/A converters. Features CD player with 34-track programming, Intro scan, random play, repeat; cassette deck with synchro CD dubbing; AM/FM tuner; 3-band EQ; bass boost; detachable 2-way speakers; headphone jack. Operates on 6 D batteries. 2.3 W x 2. 23 $\frac{1}{8}$ x 9 $\frac{1}{8}$ x 8 $\frac{1}{8}$ in; 11.3 lb \$196

CFD-110 Portable CD System

1-bit D/A converter. Features CD player with 34-track programming, repeat, double cassette deck with one transport record/play, other transport play-only, normal/high-speed tape dubbing, synchro CD dubbing; AM/FM tuner; bass boost; tone control; two speakers; headphone jack. Operates on 6 D batteries. 2.3 W x 2. 23 $\frac{3}{8}$ x 7 x 10 $\frac{1}{2}$ in; 10.8 lb \$190

CFD-59 Portable CD System

Dual D/A converters. Features CD player with 34-track programming, repeat, intro scan; cassette deck with autoreverse, synchro CD dubbing; AM/FM tuner; bass boost; tone control; two speakers; headphone jack. Operates on 6 D batteries. 2.3 W x 2. 23 $\frac{1}{8}$ x 6 x 8 $\frac{1}{4}$ in; 8.8 lb without batteries \$190

CFD-30. As above, without tone control. Features 16-track programming. 16 $\frac{1}{8}$ x 6 $\frac{3}{4}$ x 9 $\frac{1}{4}$ in; 8 lb without batteries \$190

CFD-20. As CFD-30, without autoreverse \$180

CFD-55. As CFD-20, features 34-track programming, tone control. 23 $\frac{1}{4}$ x 6 $\frac{1}{8}$ x 8 in; 9.3 lb without batteries \$160

D-125 Portable CD Player

1-bit D/A converter. Line-level output; headphone jack. Auto volume-limiter system; switchable 3-position bass boost; 22-track programming; repeat. Operates on 2 AA batteries for 8 hrs or on included rechargeable batteries for 3 hrs. Includes AC adaptor, interconnect cable, and headphones. Car accessories optional. FR 20-20,000 Hz $+1$, -3 dB. 5 $\frac{1}{8}$ x 1 $\frac{1}{8}$ x 6 in; 10.9 oz with batteries \$180

D-121. As above, without rechargeable batteries \$155

CFD-12 Portable CD System

1-bit D/A converter. Features CD player with 34-track programming, repeat; cassette deck with synchro CD dubbing; AM/FM tuner; bass boost; tone control; two dual-cone speakers; headphone jack. Operates on 6 D batteries. 2.3 W x 2. 19 $\frac{3}{4}$ x 6 $\frac{1}{8}$ x 9 $\frac{3}{8}$ in; 10 lb with batteries \$165

CFD-10. As above, without bass boost. Speakers not dual cones. 9.5 lb without batteries \$155

ES Series

The following feature a 45-bit digital filter with 20-bit output and a dither circuit, an aluminum front panel, a fiber-optic digital output, a gold-plated variable line-level output, a headphone jack with volume control, and a remote control.

CDP-X707ES CD Player

Features separate analog and digital power supplies; spindle motor with sapphire bearings; ceramic isolation feet; anti-jitter circuitry; digital servo control. Coaxial digital output. 184-disc memory for programs and deletions; multiple tape-edit modes; peak search; delete play; track programming; random play; 8 repeat modes; direct track access; remote fader; display dimmer. Champagne finish with rosewood side panels. 18½ x 4¾ x 13½ in. . . . \$2,000

CDP-C801ES 5-Disc CD Changer

5-disc carousel. Features separate analog and digital power supplies; aluminum disc tray; copper-shielded chassis. DSP for 7 modes with EQ and reverb adjustment; 184-disc memory for DSP, levels, and programs; peak search; direct track access; 32-track programming; 8 repeat modes; 20-track music calendar. Wood side panels. 18½ x 5 x 15½ in. . . . \$770

CDP-C701ES. As above, without aluminum disc tray or copper-shielded chassis \$570

CDP-X303ES CD Player

Features zinc isolation feet; linear drive motor; anti-jitter circuitry; digital servo control. 184-disc memory for programs and levels; multiple tape-edit modes; peak search; delete play; track programming; random play; 8 repeat modes; direct track access; remote fader; display dimmer. Champagne finish with rosewood side panels. 18½ x 4¾ x 14¾ in. . . . \$730

CDP-X202ES. As above, without zinc feet, linear drive motor, or rosewood side panels. 17 x 4¾ x 13½ in. \$420

CDP-C601ES 5-Disc CD Changer

5-disc carousel. Direct track access; 32-track programming; 7 repeat modes; 20-track music calendar. 17 x 5 x 15½ in. \$420

SOTA

Vanguard CD Player

Dual 1-bit D/A converters. Features dual-mono design; C-MOS technology; separate power supplies for digital and analog sections; toroidal power transformer; DC-coupled output stage. Fiber-optic and coaxial digital outputs; headphone jack with volume control. Random/repeat play; track skip/scan; remote control. FR 20-20,000 Hz ± 0.2 dB; THD 0.002%; S/N 100 dB; dynamic range 92 dB; ch sep 110 dB. 19 x 3¾ x 12 in; 22 lb \$2,495

SOUND ENGINEERING

PFM-1R CD Player

Dual 16-bit D/A converters. Features single-beam laser pickup; digital filtering with proprietary analog postfilters; Class A audio output; electromagnetic internal shielding; acoustical shielding; dither randomization; muting circuitry outside the signal path. Remote control. FR 0-20,000 Hz +0 dB, -2 dB; THD 0.003%; S/N 104 dB; dynamic range 112 dB; ch sep 110 dB. 16½ x 3¾ x 12 in; 16 lb \$1,350

PFM-1M. As above, without remote control. Features disc program memory \$1,200

SOUNDSTREAM

The following features a 3-yr limited warranty.

DAC-1 D/A Converter

8x oversampling, 18-bit D/A converter. Features 2-step hybrid design; discrete Class A analog section; auto de-emphasis and mute circuits; outboard 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

SUMO

Axiom CD Transport

Features crystal-controlled master clock; fully discrete Class A output buffer; 8 power supplies. Remote control \$899

Theorem D/A Converter

8x oversampling, 18-bit D/A converters. Features discrete complementary analog output section; modular/upgradable design. Coaxial RCA and Toslink optical inputs. FR 2-20,000 Hz +0 dB, -2 dB; THD 0.008%; S/N 100 dB. 19 x 1¾ x 8¾ in. \$799

TEAC

VRDS-20 CD Player

Dual 1-bit double-differential D/A converters. Features disc-clamping system; aluminum turntable; copper-plated chassis; centered tray orientation; aluminum front, side, and upper panels; servo. Coaxial, RCA, XLR, AT&T, ST-link, and TDS-link outputs. High-speed scan; remote control \$2,300

VRDS-10 CD Player

Dual 1-bit double-differential D/A converters. Features disc-clamping system; aluminum turntable; centered tray orientation; servo. Coaxial and fiber-optic digital outputs. Auto fader; 20-track programming; 3 repeat modes; random play; FL display; remote control. FR 1-20,000 Hz ± 0.3 dB; THD 0.0013%; S/N 110 dB; ch sep 110 dB \$1,250

VRDS-7 CD Player

Dual 1-bit double-differential D/A converters. Features disc-clamping system; molded turntable; centered tray orientation. Coaxial and fiber-optic digital outputs. 3 repeat modes; remote control \$1,000

AD-400 CD Player/Cassette Deck

8x oversampling, dual D/A converters. Combines CD player and cassette deck. CD player features 3-beam laser pickup; 16-track programming; 3 repeat modes. Cassette deck features autoreverse record/play; Dolby B NR; Dolby HX Pro; CD dubbing; peak-level meters. LED displays; headphone jack; remote control. CD: FR 2-20,000 Hz ± 0.5 dB; THD 0.008%; S/N and ch sep 95 dB. Tape: FR 30-18,000 Hz high bias; S/N 59 dB no NR; w/F 0.08% wrms. 17½ x 5¼ x 11¼ in; 10 lb \$450

CD-P4500 CD Player

1-bit D/A conversion. Features 20-bit digital filter. Fiber-optic digital output. Pitch control; synchro play with compatible cassette decks; 4 repeat modes; tape edit; auto space; FL display; remote control \$460

CD-P3500. As above, without pitch control, fiber-optic output, synchro play, tape edit, or auto space \$340

PD-555 CD Player

8x oversampling. Features 3-beam laser pickup; 18-bit digital filter; centered tray orientation. 20-track programming; 2 repeat modes; LED display; remote control. FR 5-20,000 Hz ± 1 dB; THD 0.005% and S/N 100 dB at 1,000 Hz; ch sep 85 dB \$190

PD-435. As above, tray not centered \$190

PD-P9 Portable CD Player

Dual 1-bit D/A converters. Headphone jack; line-level output. Bass boost; 20-track programming; random play. Includes rechargeable battery, headphones, interconnect cable, and AC adaptor \$190

TECHNICS

SL-P1300 CD Player

Four 1-bit MASH D/A converters. Separate digital and analog power supplies; linear-motor access system. Fiber-optic and coaxial digital outputs; balanced outputs; headphone jack with volume control. ± 8% pitch control; rocker switch for mixing; auto cue; time cueing; 2-speed audible search; 3 repeat modes; remote control. 16¾ x 6¾ x 14¾ in \$1,900

SL-P1200 CD Player

2x oversampling, dual D/A converters. Features 9th-order low-pass analog filter. Headphone jack with volume control; rear-panel jack for mixer. Rocker control; ± 8% pitch control; 2-speed audible search; auto cue; track skip/scan; 3 repeat modes; 20-track programming; remote control \$1,600

SL-PS840 CD Player

Eight 1-bit MASH D/A converters. Features digital servo system; Class AA circuitry; instrumentation amplifier; MOSFET battery operation. Fiber-optic digital output; headphone jack with volume control. Direct track access; peak search; synchro play with compatible cassette decks; 32-track programming; remote control. FR 2-20,000 Hz ± 0.3 dB; THD 0.0018%; S/N 118 dB; dynamic range 99 dB. 17 x 5 x 13½ in; 13.9 lb \$430

SL-PG440 CD Player

1-bit MASH D/A converter. Features digital servo system. Headphone jack with volume control. Direct track access; tape edit; synchro play with compatible cassette decks; peak search; random play; 20-track programming; time fade; remote control. FR 2-20,000 Hz ± 1 dB. 17 x 4 x 11¼ in; 7.5 lb \$190

SL-PG340 CD Player

1-bit MASH D/A converter. Features digital servo system. Tape edit; peak search; synchro play with compatible cassette decks; random play; 20-track programming; time fade; remote-control compatibility with select Technics receivers. FR 2-20,000 Hz ± 1 dB; THD 0.007%; S/N 100 dB; dynamic range 92 dB. 17 x 4 x 11 in; 7.5 lb \$170

CD Changers

The following feature a 5-disc bidirectional front-loading carousel and the ability to change 4 discs while the 5th plays.

SL-PD947 5-Disc CD Changer

1-bit MASH D/A converter. Features digital servo system; linear motor transport. Headphone jack. Pitch control; tape edit; highlight scan; direct track/disc access; random play; delete play/program; 32-track programming; synchro play with compatible cassette decks; remote control. FR 2-20,000 Hz ± 1 dB; THD 0.007%; S/N 100 dB; dynamic range 92 dB. 17 x 5½ x 15¼ in; 11 lb \$270

SL-PD847 5-Disc CD Changer

1-bit MASH D/A converter. Features digital servo system; linear motor transport. Direct track/disc access; highlight scan; random play; delete play/program; tape edit; synchro play with compatible cassette decks; direct disc access; 32-track programming; repeat; remote control. FR 2-20,000 Hz ± 1 dB; THD 0.007%; S/N 100 dB; dynamic range 92 dB. 17 x 5½ x 15¼ in; 11 lb \$250

SL-PD847 5-Disc CD Changer

1-bit MASH D/A converter. Features digital servo system; linear motor transport. Direct track/disc access; highlight scan; random play; delete play/program; tape edit; synchro play with compatible cassette decks; direct disc access; 32-track programming; repeat; remote control. Frequency response 2-20,000 Hz ± 1 dB; total harmonic distortion 0.007%; S/N 100 dB; dynamic range 92 dB. Dimensions: 17 x 5½ x 15¼ in; weight: 11 lb \$250

DS Pro Precedent D/A Converter

16x oversampling, four 20-bit D/A converters. Features microprocessor ROM-based design with software-driven parameters; Teflon circuit board; discrete summing circuit for single-ended outputs; 3 internally shielded steel/copper/zinc trilaminate chassis. 4 coaxial inputs; XLR, RCA, and digital outputs. Phase switch. AT&T, Toslink, and LaserLink inputs optional. THD 0.002%; S/N 120 dB. 19 x 3½ x 15 in; 36 lb \$6,500

DS Pro Generation III D/A Converter

8x oversampling, dual 20-bit D/A converters. Microprocessor ROM-based balanced design with software-driven parameters; 3 internally shielded steel/copper/zinc trilaminate chassis; Teflon circuit board. 4 RCA coaxial inputs; digital, RCA, and balanced Cannon outputs. Source/monitor and phase switches. AT&T or Toslink input optional. THD 0.002%; S/N 120 dB. 19 x 3½ x 15½ in \$5,000

As DS Pro Generation III, D/A converter, design not balanced \$4,000
DS Pre Generation III. As DS Pro Generation III, design not balanced. Volume, balance and input switching controls \$5,000

Data Universal Transport II

Plays CDs 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 D/A converters. Software-variable microprocessor; balanced design. 3 RCA coaxial inputs; digital, RCA, and balanced Cannon outputs. Source/monitor and phase switches. AT&T or Toslink input optional. THD 0.002%; S/N 108 dB. 10 x 2 1/4 x 12 7/8 in. \$2,395
 As above, design not balanced \$1,995
DS Pre Basic II. As DS Pro Basic II, design not balanced. Volume, balance, and input switching controls \$2,395

DS Pro Prime II D/A Converter

4x oversampling, dual 18-bit D/A converters. Features software-variable microprocessor; balanced circuitry. XLR connectors; RCA and Toslink inputs. AT&T Input optional. THD 0.002%; S/N 108 dB. 19 x 2 1/4 x 10 1/4 in; 12 lb \$1,500

Data Basic CD Transport

Coaxial digital output. Remote control. AT&T and Laser/Inque outputs optional \$1,500

Cobalt 307 D/A Converter

8x oversampling, dual 18-bit D/A converters. Features regulated power supply with separate digital and analog transformers. RCA and Toslink inputs; digital output. 9 1/2 x 2 x 6 1/2 in; 51 lb \$595

VAC

VAC DAC Tube D/A Converter

Two differential 1-bit D/A converters. Features separate power supply; Class A direct-coupled all-triode circuitry; balanced design. 2 coaxial inputs; AT&T glass fiber-optic input. Status Indicator. AES/EBU Input optional. Black lacquer finish with engraved brass faceplate. Sampling rates 32,000, 44,100, and 48,000 Hz. 18 x 5 3/4 x 14 1/2 in; 50 lb \$4,490

VAC DACII Tube D/A Converter

Two differential 1-bit D/A converters. Features Class A triode circuitry; balanced design. 2 coaxial inputs. Status indicator. AT&T glass fiber-optic input optional. Sampling rates 32,000, 44,100, and 48,000 Hz. Black lacquer finish with engraved brass faceplate. 18 x 5 3/4 x 14 in; 45 lb \$3,290

VACUUM TUBE LOGIC

The following feature a 5-yr parts-and-labor warranty excluding tubes.

TDAC-2 Tube D/A Converter

Two UltraAnalog 20-bit D/A converters. Features dual-mono design. Three digital inputs; coaxial or silver-plated UHF connectors. Auto sampling-rate selector. Sampling rates 32,000, 44,100, and 48,000 Hz. 19 x 2 x 9 1/2 in \$4,990

TDAC-1 Tube D/A Converter

UltraAnalog 20-bit D/A converter. Three analog inputs; coaxial digital input. Dimensions: 19 1/2 x 2 x 9 3/4 inches \$2,990

WADIA DIGITAL

Wadia 9 D/A Converter

64x oversampling, dual 22-bit D/A converters. Features separate power supply. 3 fiber-optic inputs; single-ended and balanced outputs. Ch sep 110 dB at 1,000 Hz. Main unit: 17 x 3 3/8 x 14 in. Power supply: 17 x 3 3/8 x 9 in \$13,500

Wadia 7 CD Transport

Features separate power supply; 3-beam laser pickup; linear motor drive; toroidal transformer. Glass fiber-optic, plastic fiber-optic. BNC coaxial, and XLR AES/EBU outputs. Main unit: 9 3/8 x 6 x 17 7/8 in. Power supply: 7 1/2 x 6 x 17 7/8 in \$9,500

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; ST glass fiber-optic, BNC coaxial, and XLR AES/EBU outputs. Track programming; repeat; track skip/scan; LED display/indicators; 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 \$4,000

Wadia 15 D/A Converter

32x oversampling, dual 21-bit D/A converters. Two glass fiber-optic, one plastic fiber-optic, two BNC coaxial, and one XLR AES/EBU inputs; single-ended and balanced outputs. Dimensions: 13 3/4 x 3 3/8 x 16 in \$4,000

Wadia 8 CD Transport

Features 3-beam laser pickup; linear motor drive; toroidal transformer. Glass fiber-optic, BNC coaxial, and XLR AES/EBU outputs. 13 3/4 x 6 x 16 in; 32 lb \$3,000

Wadia 12 D/A Converter

16x oversampling, dual 19-bit D/A converters. Upgradeable design. Ch sep 110 dB at 1,000 Hz. 13 3/4 x 3 3/8 x 10 3/4 in; 11 lb \$1,500

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; volume control; 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 \$1,995

DAC1 D/A Converter

4x oversampling, 16-bit D/A converter. Features 17 independent isolated power supplies. 1 fiber-optic and 2 BNC coaxial inputs. Switchable phase reversal; standby switch. Sampling rates 44,100 and 48,000 Hz; Frequency response 10-20,000 Hz; signal-to-noise ratio 105 dB; channel separation 100 dB. Dimensions: 16 3/4 x 2 x 13 inches \$1,595

DAC2 D/A Converter

4x oversampling, 16-bit D/A converter. Features 17 independent isolated power supplies. 1 BNC input. Sampling rate 44,100 Hz; frequency response 10-20,000 Hz; S/N 105 dB; channel separation 100 dB. Dimensions: 16 3/4 x 2 x 13 in \$895

YAMAHA

CDV-1200K Karaoke Combi-Player

Plays CDs and videodiscs. 2 mic inputs. 17-step key control; voice pitch control; voice changer to allow original vocal to be heard when singer stops; one-touch karaoke vocal mute; adjustable digital echo; balance control; 20-track direct access; 15-track programming; once-more function for repeating in 5-second increments; on-screen display; remote control. Frequency response 20-20,000 Hz +0.5, -1 dB; signal-to-noise ratio 100 dB. Dimensions: 17 x 4 1/2 x 16 1/2 in; weight: 22 lb \$899

CDX-1060 CD Player

Four 1-bit digital-to-analog converters. Features Class A amps; 2nd-order noise shaping; time-base corrector; independent power transformers for analog and digital sections; damping anti-vibration feet. Fiber-optic and coaxial outputs; fixed and variable analog outputs; gold-plated connectors; 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. Signal-to-noise ratio 120 dB; dynamic range 100 dB. Dimensions: 17 1/8 x 4 1/4 x 13 7/8 in \$799

CDV-870 Combi-Player

Plays CDs and videodiscs. Features all-digital picture processing; Yamaha system remote-control compatibility; switchable CX NR; digital time-base control; color-drop-out correction. Fiber-optic digital output. Switchable screen saver; 15-track programming; 10 forward/reverse speeds; shuttle search; 3 repeat modes; CD peak search; freeze frame, single-frame advance; track skip/scan; frame or track-memory search; movie scan; auto Dolby-level adjustment; on-screen menu displays; Yamaha system remote-control compatibility for participating components; remote control \$749

CDC-835 5-Disc CD Changer

Four 1-bit D/A converters, 5-disc carousel. Features 2nd-order noise shaping; time-base corrector; Class A analog amps; floating 3-beam laser pickup; digital 2-way servo tracking; anti-vibration feet. Coaxial output; variable analog output; gold-plated connectors; headphone jack with volume control. Ability to change 4 discs while 5th plays; 5-mode digital EQ; program and EQ memory for 100 discs; table-of-contents memory; 40-track programming; random/repeat play; track/index search; direct track disc access; 5-disc tape edit; relay play for two CDC-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; 14.3 lb \$549

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

CDX-860 CD Player

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

CDC-635 5-Disc CD Changer

PDM D/A conversion, 5-disc bidirectional carousel. Isolation of playing disc from changer tray; floating 3-beam laser pickup; anti-vibration feet; microcomputer-controlled 2-way servo tracking; center support bar with disc stabilizer. Headphone jack with volume control. Ability to change 4 discs while 5th plays; 20-track programming; random play; direct track access; last-position memory; repeat; track/index search; Yamaha system remote-control compatibility; remote control. Total harmonic distortion 0.003%; signal-to-noise ratio 110 dB; dynamic range 98 dB. Dimensions: 17 1/8 x 4 1/4 x 15 1/4 in \$299

CDX-470 CD Player

PDM D/A conversion. Features digital signal processing on single LSI chip; microcomputer-controlled 2-way servo tracking. Headphone jack with volume control. 3 tape-edit modes; peak search; 25-track programming; random play; 3 search modes; Index search; 4 repeat modes; 3 display-illumination levels; timer; Yamaha system remote-control compatibility; remote control. Total harmonic distortion 0.003%; signal-to-noise ratio 108 dB; dynamic range 98 dB. 17 1/8 x 3 3/4 x 10 1/2 in; 8.2 lb \$279

ZENESIS

KZ-77G Portable CD System

16-bit D/A converter. Features CD player with CD + G capability; double cassette deck; AM/FM tuner; two 2-w speakers; 2 mic inputs. 50 W power output; sampling rate 44,100 Hz; frequency response 40-14,000 Hz; signal-to-noise ratio 85 dB. Dimensions: 28 x 9 x 10 in; weight: 15 lb \$399

T A P E D E C K S

AIWA

XK-S9000 3-Head Cassette Deck

Dolby S, B, C, HX Pro. Features dual 18-bit D/A converters with 8x oversampling; sendust erase head and amorphous record and play heads with 6N stress-free copper coils; 4-motor transport; dual capstans; tape-stabilizing mechanism; twin-transformer power supply. Digital inputs; mic input. Full-logic controls; auto/manual record-level and bias controls; auto tape-bias selector; repeat; 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 $\frac{1}{4}$ x 6 $\frac{1}{2}$ x 20 $\frac{3}{4}$ in; 31 lb \$1,200

XD-S260 DAT Deck

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

HD-S100 Portable DAT Player/Recorder

1-bit D/A and A/D converters. Digital inputs and outputs. Independent L/R record-level controls; LCD; remote-control compatibility. 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

AD-F810 3-Head Cassette Deck

Dolby B, C, HX Pro. Features double-gap sendust erase head and record and play heads with PC-OCC coils; dual capstans. Direct-in inputs; headphone jack with volume control. IC-logic controls; auto tape-bias selector; auto record mute; repeat; L/R peak-level meters; timer; manual record-level and bias controls. 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 $\frac{1}{2}$ in; 11 lb \$400

ARCAM

Delta 100 3-Head Cassette Deck

Dolby S, B, C. Features amorphous record and 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 record level controls; dual-tone calibration oscillator; peak-level meters. Remote control optional. 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 $\frac{3}{4}$ in; 18 lb \$1,800

BANG & OLUFSEN

Beocord 7000 Cassette Deck

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

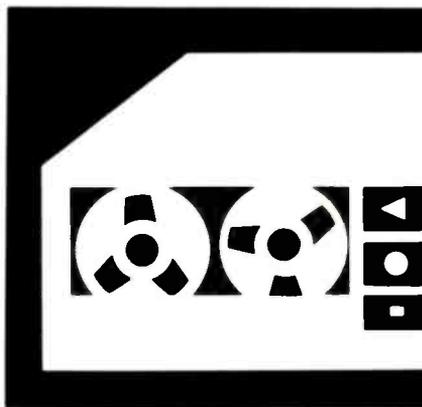
Beocord 4500 Cassette Deck

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

CARVER

TD-1770 3-Head Cassette Deck

Dolby B, C, HX Pro. Features metal alloy record and play heads; MPX filter. Headphone jack. Full-logic controls; adjustable bias; auto tape-bias selector; record-balance control; blank skip; record mute; pro-



gram play and search; 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, HX Pro. Features MPX filter. Headphone jack. 2 autoreverse record/play transports; full-logic controls; 2-cassette sequential play; high-speed dubbing; auto tape-bias selector; program search; repeat; 2 peak-level meters; record 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, HX Pro. Features oxygen-free record/playback-head core; MPX filter. Headphone jack with volume control. Autoreverse; full-logic controls; adjustable bias; auto tape-bias selector; program search; repeat; two FL meters; digital real-time counter; record mute; timer; peak-hold meter; 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, HX Pro. Features MPX filter. Headphone jack. Full-logic controls; 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 \$380

DENON

Analog cassette decks feature adjustable bias, auto space, a headphone jack, and compatibility with Denon's IS-system remote control.

DTR-80P Portable DAT Player/Recorder

8x oversampling, dual 18-bit AI hybrid multi/1-bit D/A converters, dual sigma-delta A/D converters. Features 20-bit digital filter. Fiber-optic/coaxial inputs; coaxial digital output; analog mini-jack line-level input and output; headphone jack. ID-code editing; 100x fast-wind and search speeds; 3-10x cue/review speed; peak-hold meters; backlit LCD. Operates on 4 alkaline batteries for 3.5-hr record or 4-hr playback time. Includes AC adaptor. Sampling rates 48,000, 44,100, and 32,000 Hz; 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

DRS-810 3-Head Cassette Deck

Dolby B, C, HX Pro. Features horizontal-loading tape drawer; Super Permalloy combination head in die-cast aluminum base; dual-capstan 3-motor transport; ceramic-composite stabilizer; dual power supplies. Tape-bias selector; auto tape-monitor function; program search; record-balance control; peak-hold FL meters; auto 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

Dolby B, C, HX Pro. Features Super Permalloy combination head in die-cast aluminum base; dual-capstan 3-motor transport; dual power supplies. Peak-hold FL meters; auto tape-bias selector; program search; record-balance control; 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-840 Double Cassette Deck

Dolby B, C, HX Pro. Features revolving amorphous-alloy heads; 2-motor transports with nonslip reel drive; dual power supplies. Autoreverse for both transports; high-speed dubbing; auto tape-bias selector; program search; record-balance control; 2-cassette simultaneous record and sequential record/play; synchro record with compatible CD players; FL counter; peak-reading FL meters; remote control. FR 20-18,000 Hz \pm 3 dB metal; S/N 74 dB Dolby C; W&F 0.06% \$400

DRW-660 Double Cassette Deck

Dolby B, C, HX Pro. Features computer-controlled transports; dual power supplies. Autoreverse; high-speed dubbing; 2-cassette sequential play; synchro record 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; S/N 74 dB Dolby C; W&F 0.07% \$300

DRR-730 Cassette Deck

Dolby B, C, HX Pro. Features computer-controlled 2-motor transport with non-slip reel drive; dual power supplies; revolving record/play head. Autoreverse; synchro record 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; S/N 74 dB Dolby C; W&F 0.06% \$300

DRS-610 Cassette Deck

Dolby B, C, HX Pro. Features horizontal-loading tape drawer; computer-controlled 2-motor transport; ceramic-composite stabilizer; dual power supplies. Auto tape-bias selector; program search; record-balance control; peak-hold FL meters; FL linear time counter with remaining-time display. FR 25-18,000 Hz \pm 3 dB metal \$300

DRM-540 Cassette Deck

Dolby B, C, HX Pro. Features computer-controlled 2-motor transport with nonslip reel drive; Super Permalloy head; dual power supplies; switchable MPX filter. Synchro record with compatible CD players; auto tape-bias selector; program search; record-balance control; adjustable bias; digital tape counter; FL display with peak-level meters. Frequency response 25-18,000 Hz \pm 3 dB metal; signal-to-noise ratio 74 dB Dolby C; W&F 0.055% \$250

DUAL

CC-5850RC Cassette Deck

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

CC-8065RC Cassette Deck

Dolby B, C, HX Pro. Features computer-controlled 2-motor drive. Headphone jack. Adjustable bias; auto tape-bias selector; program search; record mute; timer; 4-digit counter with memory. FR 25-17,000 Hz high bias; W&F 0.06% wrms \$440

FISHER

The following feature hard-Permalloy record/play heads, ferrite erase heads, and a 1-yr warranty.

CR-W983 Double Cassette Deck

Dolby B, C, HX Pro. Headphone jack. Full-logic controls; autoreverse for both transports; normal/high-speed dubbing; 2-cassette sequential play; L/R record-level controls; auto tape-bias selector; timer; dual 5-LED level meters; control via RS-717, RS-727, or RS-737 receiver remote controls. FR 50-16,000 Hz ± 3 dB high bias; S/N 62 dB Dolby B, 70 dB Dolby C, 54 dB no NR; W&F 0.12% wrms; THD 1.2%. 16 1/2 x 5 3/8 x 10 7/8 in; 9.4 lb \$200

CR-W683 Double Cassette Deck

Dolby B. Headphone jack. Autoreverse for one transport; normal/high-speed dubbing; 2-cassette sequential play; L/R record-level controls; auto tape-bias selector; dual 5-LED level meters. FR 50-14,000 Hz ± 3 dB high bias; S/N 62 dB Dolby B, 54 dB no NR; W&F 0.18% wrms; THD 1.5%. 16 1/2 x 5 3/8 x 10 7/8 in; 8.7 lb \$150

HARMAN KARDON

The following feature packs for Harman Kardon's system remote control.

DC5300 Double Cassette Deck

Dolby B, C. Features hard-Permalloy heads; separate motors for capstans and reels; discrete play circuitry. Autoreverse; adjustable bias; normal/high-speed dubbing; linear time counter. FR 20-18,000 Hz high bias; S/N (high bias) 57 dB no NR, 65 dB Dolby B, 73 dB Dolby C; W&F 0.06% wrms \$549

TD4400 Cassette Deck

Dolby B, C, HX Pro. Features 2 Isotropic heads; separate motors for capstan and reels; discrete record/play circuitry; switchable MPX filter. Auto tape-bias selector; program search; intro scan; adjustable bias; linear time counter; dual LED peak meters. FR 20-20,000 Hz ± 3 dB high bias; S/N (high bias) 57 dB no NR, 65 dB Dolby B, 73 dB Dolby C; W&F 0.05% wrms. 17 3/8 x 4 7/8 x 13 1/2 in; 12 lb \$449
TD4200. As above, without Dolby HX Pro, program search, or intro scan. Features 2 hard-Permalloy heads \$329

JVC

XD-Z507TN DAT Deck

1-bit PEM D/A converter, 1-bit A/D converter. Features 4th-order noise shaping. Long and standard play modes; 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 ± 0.5 dB standard play, 2-14,500 Hz ± 0.5 dB long play; S/N 91 dB standard play; THD 0.004% at 1,000 Hz standard play. 17 1/4 x 5 3/8 x 13 1/4 in; 16 lb \$1,000

TD-V661TN 3-Head Cassette Deck

Dolby B, C, HX Pro. Features closed-loop dual-capstan design with direct-drive motor; PC-OCC coil and lead wiring in heads; cassette-shell stabilizer; powered cassette lid; switchable MPX filter. Headphone jack with volume control; CD-direct input. Full-logic controls; adjustable bias; peak search; FL peak-display/level meters; auto record mute; timer record/play; auto record-level adjustment with compatible CD player; auto tape-bias selector; balance control; Compu Link system compatibility \$420

TD-R441TN Cassette Deck

Dolby B, C, HX Pro. Features cassette-shell stabilizer; powered cassette lid; auto record-level adjustment with compatible CD player. CD-direct input; headphone jack. Full-logic controls; autoreverse; adjustable bias; auto record mute; timer record/play; auto tape-bias selector; balance control; FL peak-display/level meters; Compu Link system compatibility \$280

Double Cassette Decks

TD-W805TN Double Cassette Deck

Dolby B, C, HX Pro. Features cassette-shell stabilizers; powered cassette lids. Headphone jack. Autore-

verse record/play for both transports; computer-controlled full-logic controls; high-speed dubbing; adjustable bias for one transport; FL peak-display/level meters; auto/synchro record mute; timer record/play; auto tape-bias selector; auto record-level adjustment with compatible CD player; balance control; Compu Link system compatibility \$370

TD-W709TN Double Cassette Deck

Dolby B, C, HX Pro. Features cassette-shell stabilizers. Headphone jack. Autoreverse record/play for both transports; Full-logic controls; auto record-level adjust with compatible CD player; high-speed dubbing; switchable FL peak-display/level meters; auto/synchro record mute; auto tape-bias selector; balance and pitch controls; Compu Link system compatibility \$350

TD-W309TN Double Cassette Deck

Dolby B, C, HX Pro. Headphone Jack. Full-logic controls; autoreverse record/play for one transport, other transport play-only; auto tape-bias selector; pitch control; auto record-level adjust with compatible CD player; high-speed dubbing; auto/synchro record mute; switchable FL peak-display/level meters; Compu Link system compatibility \$280

TD-W209TN Double Cassette Deck

Dolby B, C, HX Pro. Headphone jack. Full-logic controls; autoreverse record play and play-only decks; auto record-level adjust with compatible CD player; high-speed dubbing; auto/synchro record mute; auto tape-bias selector; switchable FL peak-display/level meters; Compu Link system compatibility \$230

KENWOOD

KX-5550 Cassette Deck

Dolby B, C, HX Pro. Features 3-motor mechanism; tape-path stabilizer; MPX filter. Full-logic controls; autoreverse; auto bias adjustment; bias preset memory; synchro record with compatible cassette decks; A/B repeat; timer; program search; L/R record-level/balance controls; FL level meters; system remote-control compatibility \$299

Double Cassette Decks

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

KX-W8050 Double Cassette Deck

Dolby B, C, HX Pro for both transports. Features switchable MPX filter. Headphone jack. Autoreverse record/play for both transports; 2-cassette simultaneous/sequential record; 2-cassette sequential play; auto bias adjustment for both transports; index scan for one transport; program search; blank skip; repeat; high-speed dubbing; auto tape-bias selector; FL record-level meters; system remote-control compatibility. FR 20-19,000 Hz ± 3 dB high bias; W&F 0.06% \$379

KX-W6050. As above with Dolby HX Pro for one transport, one tape counter, auto MPX-filter switching. No auto bias adjustment, simultaneous record, or blank skip. FR 20-18,000 Hz ± 3 dB high bias; W&F 0.08% wrms. 10 lb \$299

KX-W4050 Double Cassette Deck

Dolby B, C for one transport. Features switchable MPX filter. Headphone jack. One transport autoreverse record/play, other autoreverse play-only; 2-cassette sequential play; index scan for one transport; high-speed dubbing; auto tape-bias selector; system remote-control compatibility. FR 20-18,000 Hz ± 3 dB high bias; W&F 0.08% wrms. 10 lb \$279

MAGNAVOX

DCC600 DCC Deck

1-bit Bitstream D/A conversion. Headphone jack with volume control. Analog cassette playback; direct track access; front-panel DCC display of album, song, and artist titles; FL display; remote \$800

MARANTZ

DD-92 DCC Deck

Dual 18-bit A/D converters, 1-bit PDM D/A conversion. Features motor-driven volume control. Variable and fixed line-level outputs; RC-5 system remote-control interface. Analog-cassette playback compatibility with Dolby B and C NR; DCC text-information display including track and time for home recordings; real-time counter with absolute-, track-, and remaining-time displays; 5 switchable record markers; 3 repeat modes; blank skip, program search; synchro record with compatible CD players; remote control. Sampling rates 32,000, 44,100, and 48,000 Hz. Gold finish with die-cast alloy side panels \$1,199
DD-82. As above, black \$1,099

SD-72 3-Head Cassette Deck

Dolby B, C, switchable HX Pro. Features dual-capstan closed-loop metal-alloy transport; one linear and two rotary motors; PC-OCC record and play heads; dual-gap ferrite erase head; cassette stabilizer. CD-direct input. Switchable MPX filter; synchro record with compatible CD players; adjustable bias; record Dolby-level calibration control; record-out selector; FL peak-level display with peak hold; remote control. FR 15-20,000 Hz ± 3 dB high bias, no NR; S/N 62 dBA high bias, no NR; W&F 0.03% wrms. Gold finish with die-cast alloy side panels. 17 7/8 x 5 3/8 x 13 3/8 in; 23 lb \$599

SD-725 Double Cassette Deck

Dolby B, C, HX Pro for both transports. Autoreverse record/play for both transports; full-logic controls; switchable MPX filter; 2-cassette simultaneous/sequential record; intro scan, program search, and blank skip for both transports; FL peak-level display with peak hold; remote control. FR 20-18,000 Hz ± 3 dB high bias; S/N 59 dB high bias, no NR; W&F 0.06% wrms. 17 7/8 x 4 7/8 x 11 1/4 in; 21 lb \$599

SD-63 3-Head Cassette Deck

Dolby B, C, HX Pro. Features double-gap ferrite erase head; hard-Permalloy record and erase heads; dynamically balanced alloy flywheel. Microprocessor logic controls; tape edit, synchro record with compatible CD players; adjustable bias; switchable MPX filter; record-level/balance controls; FL display; remote control. FR 20-17,000 Hz ± 3 dB high bias; S/N (high bias) 58 dBA no NR, 68 dBA Dolby B, 78 dBA Dolby C; wow-and-flutter 0.05%. Dimensions: 16 1/2 x 5 1/4 x 13 3/4 in; weight 18 lb \$399

SD-525 Double Cassette Deck

Dolby B, C, HX Pro. Features metal-alloy heads; dual-gap ferrite erase head; DC-servo-controlled capstans and reels. RC-5 system remote-control interface. One transport autoreverse record/play, other autoreverse play-only; full-logic controls; synchro record with compatible CD players; repeat for both transports; intro scan, program search; blank skip; high-speed dubbing; FL peak-level display with peak hold; remote control. FR 20-17,000 Hz ± 3 dB high bias, no NR; S/N 60 dBA high bias, no NR; W&F 0.06% wrms. 16 1/2 x 4 5/8 x 11 in; 12 lb \$399

SD-52R Cassette Deck

Dolby B, C, HX Pro. Features 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 system remote-control interface. Autoreverse; full-logic controls; synchro record with compatible CD players; peak-level display with peak hold. FR 30-18,000 Hz ± 3 dB high bias, no NR; S/N 59 dBA high bias, no NR; W&F 0.06% wrms. 16 1/2 x 4 5/8 x 11 in; 11 lb \$349
SD-52. As above, without autoreverse. Features adjustable bias. FR 30-20,000 Hz ± 3 dB high bias, no NR \$299

NAD

Model 6100 Monitor Series Cassette Deck

Dolby B, C, HX Pro. Features switchable MPX filter.

T A P E D E C K S

Dyneq range expansion; Play Trim control to optimize high-frequency characteristics of Dolby-encoded recordings; full-logic controls; car-stereo EQ; adjustable bias; remote control. FR 30-19,000 Hz \pm 3 dB; S/N 67 dB Dolby B, 77 dB Dolby C, 57 dB no NR; W&F 0.06%. 17 $\frac{1}{8}$ x 4 $\frac{3}{4}$ x 10 $\frac{3}{4}$ in; 10 lb \$499

Model 602 Cassette Deck

Dolby B, C, HX Pro. Full-logic controls. LED record-level meter. FR 35-16,000 Hz \pm 3 dB; S/N 66 dB Dolby B, 76 dB Dolby C, 56 dB no NR; W&F 0.06%. 16 $\frac{1}{2}$ x 5 x 10 $\frac{3}{4}$ in; 9.8 lb \$299

NAKAMICHI

Model 1000 DAT Deck

Features 4-head design for off-tape monitoring; microprocessor-controlled direct-drive reel motors. Coaxial/fiber-optic digital input/output. Indexing; program search; digital fader; remote control. Includes coaxial and fiber-optic cables. Sampling rates 48,000 record/play, 44,100 Hz play, and 32,000 Hz record/play. 17 $\frac{1}{8}$ x 5 $\frac{1}{4}$ x 14 $\frac{1}{2}$ in \$5,900

Model 1000p. Digital signal processor designed for above. Features 8x oversampling, 20-bit calibrated D/A converters; 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; level meter. D/A converter: sampling rates 48,000, 44,100, and 32,000 Hz; FR 5-20,000 Hz \pm 0.5 dB; THD 0.0005% at 1,000 Hz; S/N 106 dB; dynamic range 100 dB. A/D converter: sampling rate 48,000 Hz; FR 5-22,000 Hz \pm 0.5 dB; THD 0.001% at 1,000 Hz; S/N 95 dB; dynamic range 95 dB. 17 $\frac{1}{8}$ x 5 $\frac{1}{4}$ x 14 $\frac{1}{2}$ in; 38.5 lb \$6,000

Dragon 3-Head Cassette Deck

Dolby B, C. Features microprocessor control; auto azimuth-correction system; dual-gap ferrite/sandust erase head; direct-drive motors; direct-coupled record and play amps; auto-retracting slot guides; tape-pad lifter; auto tape-slack-reducing mechanism. Headphone jack. Autoreverse; record level and bias controls; 2-tone test oscillator; separate tape-bias and EQ switches; 2-speed cueing and fader; auto record pause; left, right, and master input-level controls; output-level control; record mute; defeatable infrasonic filter; electronic counter with memory; repeat. FR 20-22,000 Hz \pm 3 dB; S/N 66 dBA Dolby B, 72 dBA Dolby C; W&F 0.019% wrms. 17 $\frac{3}{4}$ x 5 $\frac{1}{2}$ x 11 $\frac{1}{4}$ in; 21 lb \$2,499

RM-20. Remote control for above \$50

CR-7A 3-Head Cassette Deck

Dolby B, C. Features dual capstans; 3 motors; manual azimuth adjust. Headphone jack. Output-level control; memory stop/play; record mute; auto/manual tape-bias/EQ selection; auto fade; repeat; LED meters; elapsed- and remaining-time counters; 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

RM-7CA. Remote control for above \$60

RX-505 3-Head Cassette Deck

Dolby B, C. Features autoreverse via mechanism that turns cassette over at end of slide (record/play); dual-capstan closed-loop transport; DC servo motors. Auto fade; auto record pause; 2-speed master fader; LED peak-level meters; memory stop/play. FR 20-20,000 Hz \pm 3 dB; S/N (metal) 70 dB Dolby C; W&F 0.04% wrms. 17 $\frac{3}{4}$ x 5 $\frac{3}{4}$ x 11 $\frac{1}{4}$ in; 22 lb \$1,549

RX-202. 2-head version of above. W&F 0.06% wrms. 17 $\frac{3}{4}$ x 5 $\frac{3}{4}$ x 10 in; 20 lb \$879

RM-15. Remote control for RX-505 \$50

DR-1 3-Head Cassette Deck

Dolby B, C. Features multiregulated power supply; adjustable azimuth; dual capstans; DC-servo capstan motor; switchable MPX filter; pressure-pad lifter; auto slack take-up; integrated construction of head and playback amp. Gold-plated inputs and outputs. Bidirectional auto search; adjustable bias; repeat; timer; record mute; output-level control; tape-bias selec-

tor with interlocked EQ selection; FL display; 4-digit counter; system remote-control compatibility. FR 20-21,000 Hz \pm 3 dB; S/N (metal) 66 dBA Dolby B, 72 dBA Dolby C; W&F 0.035% wrms; THD 0.9%. 17 x 4 x 12 $\frac{1}{2}$ in; 12 lb \$879

DR-2. As above, without adjustable azimuth, output-level control, or gold-plated connectors \$699

DR-3 Cassette Deck

Dolby B, C. Features DC-servo capstan motor; regulated power supply; switchable MPX filter; pressure-pad lifter; auto slack take-up. Bidirectional auto search; adjustable bias; repeat; timer; record mute; tape-bias selector with interlocked EQ selection; 4-digit counter; FL display; system remote-control compatibility. FR 20-20,000 Hz \pm 3 dB; S/N (metal) 64 dBA Dolby B, 70 dBA Dolby C; W&F 0.06% wrms. 17 x 4 x 12 $\frac{1}{2}$ in; 14 lb \$399

ONKYO

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

Integra TA-2800 3-Head Cassette Deck

Dolby B, C, HX Pro. Features 3-motor microcomputer-controlled transport; dual capstans; isolated transformer; linear power supply; switchable MPX filter. Variable outputs. Program search; record calibration; auto tape-bias selector; full/block repeat; timer; FL peak-hold level meters; remote control. FR 20-19,000 Hz high bias; W&F 0.035% wrms. 17 $\frac{1}{8}$ x 5 $\frac{1}{4}$ x 14 $\frac{1}{2}$; 13.7 lb \$650

Integra TA-207 3-Head Cassette Deck

Dolby B, C, HX Pro. Features 3-motor microcomputer-controlled transport; closed-loop dual-capstan drive; isolated transformer; linear switching power supply; discrete power-supply regulators; switchable MPX filter. Synchro record with compatible CD players; repeat; program search; auto tape-bias selector; FL display with peak-level meter; auto spacing; peak hold; remote control. FR 20-19,000 Hz high bias; W&F 0.04% wrms. 18 x 5 $\frac{1}{4}$ x 14 $\frac{1}{2}$ in; 15 lb \$530

TA-R401 Cassette Deck

Dolby B, C, HX Pro. Features switchable MPX filter. Full-logic controls; autoreverse; auto tape-bias selector; synchro record with compatible CD players; program search; auto space; timer; single/block repeat; master and balance input controls; 4-digit electronic counter; FL display; peak-level indicator; remote control. FR 20-18,000 Hz high bias; W&F 0.07% wrms. 18 x 4 $\frac{3}{4}$ x 12 $\frac{1}{2}$ in; 11.2 lb \$380

TA-203 Cassette Deck

Dolby B, C, HX Pro. Features switchable MPX filter. Headphone jack. Full-logic controls; synchro record with compatible CD players; auto tape-bias selector; full/block repeat; auto space; master and balance input-level controls; FL display with peak-level indicator; peak hold. FR 20-18,000 Hz high bias; W&F 0.07% wrms. 18 x 4 $\frac{3}{4}$ x 12 $\frac{1}{2}$ in; 11.2 lb \$320

TA-R301 Cassette Deck

Dolby B, C, HX Pro. Features switchable MPX filter. Headphone jack. Full-logic controls; autoreverse; synchro record with compatible CD players; auto tape-bias selector; block repeat; auto space; master and balance input-level controls; peak hold; FL display with peak-level indicator. FR 20-18,000 Hz high bias; W&F 0.07% wrms \$290

TA-201 Cassette Deck

Dolby B, C, HX Pro. Headphone jack. Full-logic controls; synchro record 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 20-18,000 Hz high bias; W&F 0.07% wrms. 18 x 4 $\frac{3}{4}$ x 12 $\frac{1}{2}$ in; 11 lb \$230

Double Cassette Decks

Integra TA-RW909 Double Cassette Deck

Dolby B, C, HX Pro. Features 3 motors per transport;

copper plated chassis; powered cassette loading. Headphone jack with volume control. Autoreverse record/play for both transports; full-logic controls; random play; repeat; 2-cassette simultaneous/sequential record and sequential play; synchro record with compatible CD players; blank skip; programmable program search; high-speed dubbing; switchable auto space; auto tape-bias selector; input level and balance controls; LED peak meter; FL display; remote control. FR 20-18,000 Hz high bias; W&F 0.065% wrms. 18 x 5 $\frac{1}{4}$ x 4 $\frac{3}{4}$ in; 18.1 lb \$700

TA-RW505 Double Cassette Deck

Dolby B, C, HX Pro. Headphone jack. Full-logic controls; autoreverse record/play for both transports; 2-cassette simultaneous record and sequential play; synchro record with compatible CD players; switchable auto space; auto tape-bias selector; high-speed dubbing; input level and balance controls; program search. repeat. FR 20-16,000 Hz high bias; W&F 0.07% wrms. 18 x 4 $\frac{3}{4}$ x 12 $\frac{1}{2}$ in; 12.5 lb \$400

TA-RW414 Double Cassette Deck

Dolby B, C, HX Pro. Headphone jack. Full-logic controls; autoreverse record/play for both transports; program search; synchro record with compatible CD players; switchable auto space; auto tape-bias selector; 2-cassette sequential play; high-speed dubbing; input level control; FL peak level indicator. FR 20-16,000 Hz high bias; W&F 0.07% wrms. 18 x 4 $\frac{3}{4}$ x 12 $\frac{1}{2}$ in; 13.2 lb \$350

TA-RW313 Double Cassette Deck

Dolby B, C, HX Pro. Headphone jack. Full-logic controls; one transport autoreverse record/play, other autoreverse play-only; synchro record with compatible CD players; switchable auto space; auto tape-bias selector; 2-cassette sequential play; high-speed dubbing; input level control; LED peak level indicator. FR 20-16,000 Hz high bias; W&F 0.07% wrms. 18 x 4 $\frac{3}{4}$ x 12 $\frac{1}{2}$ in; 12.1 lb \$240

OPTIMUS BY RADIO SHACK

DCT-2#00 DCC Deck

64x oversampling, dual A/D and D/A converters. Fiber-optic and coaxial digital inputs and outputs; analog inputs; headphone jack with volume control. Analog-cassette playback compatibility with Dolby B and C NR; autoreverse; 20-track programming; program search; 12-character text display; total/selection elapsed- and remaining-time displays; remote control. DCC: FR 5-20,000 Hz \pm 0.5 dB; THD 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 \$700

SCT-7500 Double Cassette Deck

Dolby B, C, HX Pro. Mic and headphone jacks. Autoreverse for one transport; high-speed dubbing; auto tape-bias selector; LED peak-level meter \$180

SCT-5500 Double Cassette Deck

Dolby B. Mic and headphone jacks. High-speed dubbing; LED peak-level meter \$150

SCP-32 Cassette Deck

Dolby B. Autoreverse; metal/high-bias selector. 3 $\frac{3}{4}$ x 8 $\frac{1}{4}$ x 5 $\frac{1}{2}$ in \$100

SCP-31. As above, without Dolby B or autoreverse \$50

SCT-86 Cassette Deck

Dolby B. Features L/R record-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 $\frac{3}{4}$ x 5 $\frac{1}{4}$ in; 4 lb \$90

Optimus Professional Series

SCT-52 Double Cassette Deck

Dolby B, C, HX Pro. Features computer-controlled bias, EQ, and record-level optimization; hard-Permalloy record/play heads; ferrite erase head. Headphone jack. Full-logic controls; autoreverse for both transports; 2-cassette sequential play; normal/high-speed dubbing; synchro record with compatible CD

T A P E D E C K S

players; program search; blank skip; record-level control; record mute; auto tape-bias selector; FL display with dual peak-level meters. FR 25-16,000 Hz high bias; S/N 57 dB no NR; W&F 0.1% wrms. 16 $\frac{3}{4}$ x 4 $\frac{3}{4}$ x 9 $\frac{7}{8}$ in \$229
SCT-51. As SCT-52, without computer-controlled optimizations, headphone jack, or FL display. Features LED display with dual peak-level meters; autoreverse for one transport \$180

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 autoreverse; motor-driven cassette loading. Headphone jack with volume control. Analog-cassette playback compatibility with Dolby B and C NR; 12-character FL text display; synchro record with compatible CD players; record balance and level controls; timer record/play; remote control \$800

DCC130 Portable DCC Player

Headphone jack. Analog-cassette playback compatibility with Dolby B NR; autoreverse; 12-character FL text display. Includes AC adaptor, headphones with remote control, carrying case, and rechargeable battery. FR 5-20,000 Hz; THD 0.003%; S/N 50 dB; dynamic range 108 dB; ch sep 90 dB. 4 $\frac{3}{4}$ x 1 $\frac{1}{2}$ x 4 $\frac{3}{4}$ in; 1.1 lb \$550

FC-950 3-Head Cassette Deck

Dolby B, C, HX Pro. Features switchable MPX filter. Headphone jack with volume control. Full-logic controls; adjustable bias; synchro record with compatible CD players; electronic counter; FL display \$420

FC-930 Double Cassette Deck

Dolby B, C, HX Pro. Headphone jack. Full-logic controls; autoreverse for both transports; synchro record with compatible CD players; electronic counter; FL display \$280
FC-910. As above, autoreverse for one transport. No Dolby C \$230

PIONEER

Auto BLE and Super Auto BLE refer to Pioneer's computer-controlled auto bias, level, and EQ optimizations.

CT-WM62R 7-Cassette Changer

Dolby B, C, HX Pro for 6-cassette changer; 6-cassette record/play changer plus play-only single-cassette transport. Features FLEX proprietary high-frequency restoration circuitry. Autoreverse for all transports; memory for user settings; powered load/eject; MPX filter; individual NR selection for each cassette; 6-cassette sequential record/play, simultaneous rewind, and random play; cassette scan; 15-track skip search; blank skip; auto space; normal/high-speed dubbing; synchro record with compatible CD players; auto tape-bias selector; timer sequential play/record; remaining-time indicator; digital 4-digit tape/time FL counter; FL peak-hold level meter; SR-system remote-control compatibility; remote control. FR 20-18,000 Hz high bias; S/N 58 dB no NR; W&F 0.09% wrms. 16 $\frac{3}{4}$ x 5 $\frac{3}{8}$ x 14 $\frac{3}{8}$ in \$490

CT-W802R Double Cassette Deck

Dolby B, C, HX Pro for both transports. Features Super Auto BLE for both transports; MPX filter; OFC head wire and leads. Headphone jack. Autoreverse record/play for both transports; EQ-enhancement preset for portable/car applications; 15-track skip search; auto space; blank skip; 2-cassette sequential record/play and simultaneous recording; synchro record with compatible CD players; normal/high-speed dubbing; timer; auto tape-bias selector; two 4-digit digital tape/time counters; FL peak-hold level meters; SR-system remote-control compatibility. FR 25-19,000 Hz high bias; S/N 57 dB no NR; W&F 0.09%



Pioneer CT-W802R

wrms. 16 $\frac{3}{4}$ x 5 $\frac{3}{8}$ x 9 $\frac{7}{8}$ in \$400
CT-W602R. As CT-W802R, without Super Auto BLE or EQ-enhancement preset. Features Auto BLE; FLEX proprietary high-frequency restoration circuitry. 16 $\frac{3}{4}$ x 5 x 9 $\frac{7}{8}$ in \$330

CT-W502R Double Cassette Deck

Dolby B, C, HX Pro. FLEX proprietary high-frequency restoration circuitry; OFC head wire and leads. Headphone jack. One transport autoreverse record/play, other autoreverse play-only; MPX filter; 15-track skip search; blank skip; auto space; synchro record with compatible CD players; normal/high-speed dubbing; 2-cassette sequential play; auto tape-bias selector; timer; two 4-digit digital tape/time counters; FL peak-hold level meters; SR-system remote-control compatibility. 16 $\frac{3}{4}$ x 4 $\frac{3}{4}$ x 9 $\frac{7}{8}$ in \$265
CT-W402R. As above, autoreverse for record/play transport only. No FLEX or headphone jack. Features repeat play \$245
CT-W302R. As CT-W402R, without FL peak-hold display, synchro CD record, or dual counters. Features LED peak-level meter; 3-digit mechanical counter. 16 $\frac{3}{4}$ x 4 $\frac{3}{4}$ x 10 $\frac{1}{2}$ in \$225

Elite Series

CT-42 3-Head Cassette Deck

Dolby S, B, C, HX Pro. Features dual capstans; 3 motors; centered transport orientation; digital tension control; cassette and panel stabilizers; isolated door; powered load/eject; MPX filter. Headphone jack with volume control. Super Auto BLE; synchro record with compatible CD players; auto tape-bias selector; auto space; program search; timer; adjustable bias; repeat; FL level meters with peak hold and selectable meter range; SR-system remote-control compatibility; remote control. FR 15-21,000 Hz high bias; S/N 60 dB no NR; W&F 0.023%. 17 $\frac{1}{4}$ x 5 $\frac{3}{4}$ x 14 $\frac{3}{4}$ in .. \$850

ROTEL

RD965BX. Dolby HX Pro. Adjustable bias; repeat; FL level meters \$400
RD955AX. Dolby B, C, HX Pro \$350

SANSUI

D-X317WR Double Cassette Deck

Dolby B, C, HX Pro. Features switchable MPX filter. Gold-plated headphone jack; CD-direct input. Full-logic controls; one transport autoreverse record/play, other transport play-only; 16-song program search; auto record mute; auto tape-bias selector; adjustable bias; blank skip; high-speed dubbing; 2-cassette sequential play; auto/manual record-level control; timer; FL peak-level indicator; remote-control compatibility. 17 x 5 x 10 $\frac{1}{8}$ in; 11 lb \$349

D-X117WR Cassette Deck

Dolby B, C, HX Pro. Features switchable MPX filter. Autoreverse; program search; auto record mute; peak-level indicator; synchro high-speed dubbing. W&F 0.09% wrms. 17 x 5 x 10 $\frac{1}{8}$ in; 11 lb \$270

D-790WR Double Cassette Deck

Dolby B. Full-logic controls; autoreverse record/play for one transport; program search; auto tape-bias selector; high-speed dubbing; auto record mute; repeat; timer; LED peak-level meters. 17 x 5 $\frac{3}{8}$ x 9 $\frac{7}{8}$ in; 9 lb \$215
D-590W. As above, no program search or full-logic controls. Features record-level control \$139

SHERWOOD

DD-6030C Double Cassette Deck

Dolby B, C, HX Pro for both transports. Headphone jack. Autoreverse record/play for both transports; full-logic controls; program search; electronic real-time tape counter; high-speed dubbing; synchro record with compatible CD players; record mute; blank skip; 2-cassette sequential record/play; 2-cassette simultaneous record; auto tape-bias selector; record level and balance controls; Sherwood Digi-Link III system remote-control compatibility. 15 lb \$325

DD-4030C Double Cassette Deck

Dolby B, C, HX Pro for one transport. Headphone jack. Full-logic controls; one transport autoreverse record/play, other autoreverse play-only; 20-track program search; auto tape-bias selector; electronic real-time counter; high-speed dubbing; 2-cassette sequential play; synchro record with compatible CD players; record mute; Sherwood Digi-Link III system remote-control compatibility. 15 lb \$250

DD-3010C Double Cassette Deck

Dolby B, C, HX Pro. Headphone jack. One transport autoreverse record/play; full-logic controls; program search; blank skip; 2-cassette sequential play; timer; 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. Headphone jack. 2-cassette sequential play; high-speed dubbing; auto tape-bias selector; record-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 $\frac{1}{4}$ x 5 x 9 $\frac{7}{8}$ in; 9 lb \$140
DD-1010C. As above, without Dolby C \$120

SONY

DTC-690 DAT Deck

Pulse-type A/D and D/A converters. Coaxial and fiber-optic digital inputs; analog inputs and outputs; fiber-optic digital output. Features 3-motor direct-drive transport. Headphone jack. Standard and long play modes; subcode start, stop, and skip management; direct track access; absolute/remaining-time displays; 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 90 dB; dynamic range 90 dB; THD (at 1,000 Hz) 0.005% standard play, 0.08% long play. 17 x 3 $\frac{3}{4}$ x 14 in \$700

TCD-D7 Portable DAT Player/Recorder

1-bit D/A converter. Features antishock mechanism. Line-level mini-jack input and output. Standard and long record play modes; digital volume-limiter system; switchable auto record-level control; auto time-and-date stamp function; auto ID subcoding; 2-speed cue/review; program search; 3-mode counter; backlight LCD with battery-strength meter. Operates on 4 AA batteries for 3.5-hr play or 4-hr record. Includes carrying case. AC adaptor, headphones, and RM-D3K interface for fiber-optic and coaxial digital inputs and outputs, timer, and wireless remote control optional. Sampling rates 32,000, 44,100, and 48,000 Hz; frequency response 20-14,500 Hz \pm 1 dB long play, 20-22,000 Hz \pm 1 dB standard play; signal-to-noise ratio and dynamic range 90 dB. Dimensions: 12 $\frac{1}{4}$ x 1 $\frac{1}{2}$ x 3 $\frac{3}{8}$ in; 1.1 lb with batteries \$630

PHILIPS DCC. THE ULTIMATE CASSETTE SYSTEM.™ BEFORE BUYING ANYTHING ELSE, TAKE THIS SIMPLE TEST.

A Can you take it on the road if the road is a trail?

Try taking any portable disc player for a little off-roading and you'll quickly quickly quickly see see see why it's not such a good idea. But if it's Philips Digital Compact Cassette you'll get crystal-clear digital sound with no skipping.



B Does it record in pure digital sound?



For the DCC home deck, the answer is a resounding (and digitally pure) yes. Finally, you can take your favorite music and turn it into your own taped digital recordings.

C Does it impress the experts?

According to the press, DCC has it all: record and playback in CD-quality digital sound, all in a complete system including portable, home and car units.

"...There is no question that it rivals CD sound quality..."

Stereo Review, November 1992

D Will it play your existing cassettes?

All DCC players will play your existing cassettes as well as hundreds of prerecorded titles on the new Digital Compact Cassette. Obsolescence is one feature we didn't plan into the DCC system.



E Do you get free music for a year?

With DCC you do. When you buy any Philips DCC player, you can get a free DCC tape every month, for 12 months. See our retail display for full details.



FREE

F Is there really any other choice?

None that makes so much sense on so many different levels. Once you experience The Ultimate Cassette System,™ you'll understand exactly what we mean when we say DCC is the way it will be.



THE WAY IT WILL BE.

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Another First From Philips.



PHILIPS

WMD-DT1 Portable DAT Player

1-bit D/A conversion. Features antishock mechanism. 2 headphone jacks. Standard and long play modes with auto selector; digital volume-limiter system; digital bass boost; date function check; program search; intro scan; repeat; transport and tape-label windows. Operates on 2 AA batteries for 4 hrs. Includes ear-phones with wired LCD remote control and carrying case. AC adaptor and car-battery cord optional. Headphone output 5 mW x 2; sampling rates 32,000, 44,100, and 48,000 Hz; FR 20-20,000 Hz +1, -1.5 dB standard play, 20-14,500 Hz +1, -1.5 dB long play. 4 1/2 x 1 1/8 x 2 3/4 in; 8.8 oz with batteries... \$450

TC-K611S 3-Head Cassette Deck

Dolby S, B, C, HX Pro. 3-motor transport; Permalloy heads; powered loading; ceramic stabilizer. Headphone jack with volume control. Record calibration with test-tone generator; program search; record mute; level and balance controls; linear tape counter; FL display; Sony receiver remote-control compatibility. FR 20-20,000 Hz ± 3 dB; S/N 60 dB no NR, metal; W&F 0.05% wrms. 17 x 4 7/8 x 12 1/4 in... \$400

TC-C5 5-Cassette Changer

Dolby B, C. Features laser amorphous tape heads; 3-motor transport. Autoreverse; program and random play modes; 5-cassette simultaneous rewind; direct cassette access; synchro record with compatible CD players; record level and balance controls; Sony receiver remote-control compatibility; remote control. FR 20-19,000 Hz ± 3 dB metal; S/N 59 dB no NR, metal; W&F 0.06%. 17 x 5 3/8 x 13 7/8 in... \$350

TC-WR635S Double Cassette Deck

Dolby S, B, C, HX Pro. Permalloy tape heads; switchable MPX filter. Autoreverse for both transports; auto bias calibration; program search; 2-cassette sequential play; level and balance controls; dual electronic counters; FL display; Sony receiver remote-control compatibility. 17 x 4 7/8 x 12 1/4 in... \$330

TC-RX311 Cassette Deck

Dolby B, C, HX Pro. Features Permalloy tape heads; switchable MPX filter. Headphone jack. Autoreverse; auto record and bias calibrations; program search; record mute; level and balance controls; electronic counter; FL level meter; Sony receiver remote-control compatibility. FR 30-15,000 Hz ± 3 dB metal; S/N 58 dB no NR, metal; W&F 0.07% wrms. 17 x 4 7/8 x 12 1/4 in... \$250

TC-WR535 Double Cassette Deck

Dolby B, C, HX Pro. Permalloy tape heads; switchable MPX filter. Autoreverse for both transports; auto record calibration; 2-cassette sequential play; record mute; level and balance controls; dual electronic counters; FL display; Sony receiver remote-control compatibility. 17 x 4 7/8 x 12 1/4 in... \$250

TC-W435 Double Cassette Deck

Dolby B, C, HX Pro. Features Permalloy tape heads; MPX filter. High-speed dubbing; 2-cassette sequential play; record mute; level and balance controls; dual electronic counters; FL display; Sony receiver remote-control compatibility. 17 x 4 7/8 x 12 1/4 in... \$200

TC-FX211 Cassette Deck

Dolby B, C. Features Permalloy tape heads; MPX filter. Headphone jack. Adjustable bias; LED level meter. FR 30-15,000 Hz ± 3 dB metal; S/N (metal) 73 dB Dolby C, 58 dB no NR; W&F 0.11% wrms. 17 x 4 7/8 x 11 1/4 in... \$130

ES Series

The following feature a switchable MPX filter, program search, record mute, record level and balance controls, and Sony receiver remote-control compatibility.

TC-K909ES 3-Head Cassette Deck

Dolby S, B, C, switchable HX Pro. Features 3-motor dual-capstan transport; sapphire direct-drive capstan motor; laser-amorphous heads; powered loading; ceramic stabilizer. Gold-plated connectors; head-

phone jack with volume control. Bias and record calibration with test tone; adjustable bias; linear counter; FL display. Wood side panels. 18 1/2 x 13 7/8 x 5 3/8 in... \$790

TC-K707ES. As above, without sapphire direct-drive capstan motor, HX Pro switch, or wood side panels. 18 1/2 x 13 7/8 x 5 3/8 in... \$500

TC-WR901ES Double Cassette Deck

Dolby S, B, C, HX Pro. Features powered cassette loading; 3-motor transports; laser amorphous heads; aluminum front panel. Autoreverse record/play and auto record calibration for both transports; pitch control; blank skip; two FL counters. Wood side panels. 18 1/2 x 13 7/8 x 5 3/8 in... \$670

TC-WR701ES. As above, 2-motor transports. Without powered loading, laser amorphous heads, blank skip, pitch control, or wood side panels. 18 1/2 x 13 7/8 x 5 3/8 in... \$400

TC-RX606ES Cassette Deck

Dolby S, B, C, HX Pro. Features 3-motor transport; laser amorphous heads; powered cassette loading; ceramic stabilizer. Gold-plated connectors; headphone jack with volume control. Autoreverse; record EQ calibration; auto/manual record-bias calibration; program search; linear tape counter; FL display. 17 x 12 1/8 x 4 7/8 in... \$400

TEAC

V-8000S 3-Head Cassette Deck

Dolby S, B, C, HX Pro. Features quartz-locked dual-capstan drive; centered cassette well; 5 shielded circuit blocks; antistatic cassette stabilizer; PC-OCC head wiring. Gold-plated line-level inputs and outputs; CD-direct input; headphone jack with volume control. Independent LR bias and level controls; ± 25% bias range; synchro record with compatible CD players; test oscillator; record mute; auto space; auto tape-bias selector; 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%. 18 3/8 x 5 7/8 x 14 in; 24 lb... \$1,300

V-7010 3-Head Cassette Deck

Dolby B, C, HX Pro. Features copper-plated steel chassis; cobalt-amorphous head with PC-OCC wiring; die-cast zinc-alloy head block; centered cassette well; quartz-locked dual-capstan drive. CD-direct input; gold-plated line-level inputs and outputs; headphone jack with volume control. Powered load/eject; synchro record with compatible CD players; program search; LR peak meters with peak hold; record mute; auto space; independent LR bias and level controls; test oscillator; master record-level control; auto tape-bias selector; 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, HX Pro. Features copper-plated steel chassis; cobalt-amorphous head with PC-OCC wiring; die-cast zinc-alloy head block; centered cassette well; closed-loop dual-capstan drive; antistatic cassette stabilizer. CD-direct input; gold-plated line-level inputs and outputs; headphone jack with volume control. Powered load/eject; synchro record with compatible CD players; program search; LR peak meters; switchable MPX filter; record mute; auto space; independent LR bias and level controls; master rec-level control; auto tape-bias selector; 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. 17 1/8 x 5 7/8 x 14 in... \$790

V-2020S 3-Head Cassette Deck

Dolby S, B, C, HX Pro. Features aluminum front panel; centered cassette well. Bias and level calibration system with test-tone oscillator; FL display; remote control... \$650

V-3010 3-Head Cassette Deck

Dolby B, C, HX Pro. Features copper-plated steel chassis; cobalt-amorphous head with PC-OCC wiring;

die-cast zinc-alloy head block; centered cassette well; antistatic cassette stabilizer; switchable MPX filter. Gold-plated line-level inputs and outputs; CD-direct input; headphone jack with volume control. LR peak meters; electronic counter; record mute; auto space; adjustable bias; master and LR record-level controls; auto tape-bias selector; 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. 17 1/8 x 5 7/8 x 14 in; 15 lb... \$620

V-1010 3-Head Cassette Deck

Dolby B, C, HX Pro. Permalloy heads with PC-OCC wiring; die-cast zinc-alloy head block; centered cassette well; switchable MPX filter. Line-level inputs and outputs; CD-direct input; headphone jack with volume control. LR peak meters; electronic counter; record mute; auto space; adjustable bias; master and LR record-level controls; auto tape-bias selector; 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. 17 1/8 x 5 7/8 x 14 in; 13 lb... \$400

V-510 Cassette Deck

Dolby B, C, HX Pro. IC-logic controls; synchro record with compatible CD players; Teac system remote-control compatibility... \$190

V-370 Cassette Deck

Dolby B. Features Permalloy record/play head; DC-servo motor; centered cassette well. Teac system remote-control compatibility. FR 30-16,000 Hz metal; S/N 65 dB Dolby B, 79 dB Dolby C... \$120

Double Cassette Decks

W-6000R Double Cassette Deck

Dolby B, C, HX Pro for both transports. Features Permalloy record/play rotating-head autoreverse. Headphone jack. Autoreverse record/play for both transports; IC-logic controls; auto record-level adjust; 2-cassette sequential play; auto fader; repeat; normal/high-speed dubbing; blank skip for one transport; adjustable bias for one transport; intro scan; LR peak meters; 2-cassette simultaneous record; synchro record with compatible CD players; record mute; auto space; timer; remote control. FR 25-19,000 Hz ± 20 dB high bias; S/N 69 dB Dolby B, 79 dB Dolby C; W&F 0.06%. 17 1/8 x 5 x 12 in... \$750

W-800R Double Cassette Deck

Dolby B, C, HX Pro for both transports. Features autoreverse record/play for both transports; program search. Two electronic counters; FL display; remote control... \$370

W-700R Double Cassette Deck

Dolby B, C, HX Pro for both transports. Features Permalloy record/play head; rotating-head autoreverse. Headphone jack. IC-logic controls; one transport autoreverse record/play, other autoreverse play-only; 2-cassette sequential play; repeat; record mute; auto space; timer; LR peak meters; auto tape-bias selector for both transports; adjustable bias for one transport; two electronic counters; FL display; remote control. FR 25-19,000 Hz - 20 dB high bias; S/N 69 dB Dolby B, 79 dB Dolby C; W&F 0.06% wrms. 17 1/8 x 5 x 11 in... \$280

W-480C Double Cassette Deck

Dolby B, C, 2-cassette sequential play; adjustable bias; normal/high-speed dubbing... \$170

W-410 Double Cassette Deck

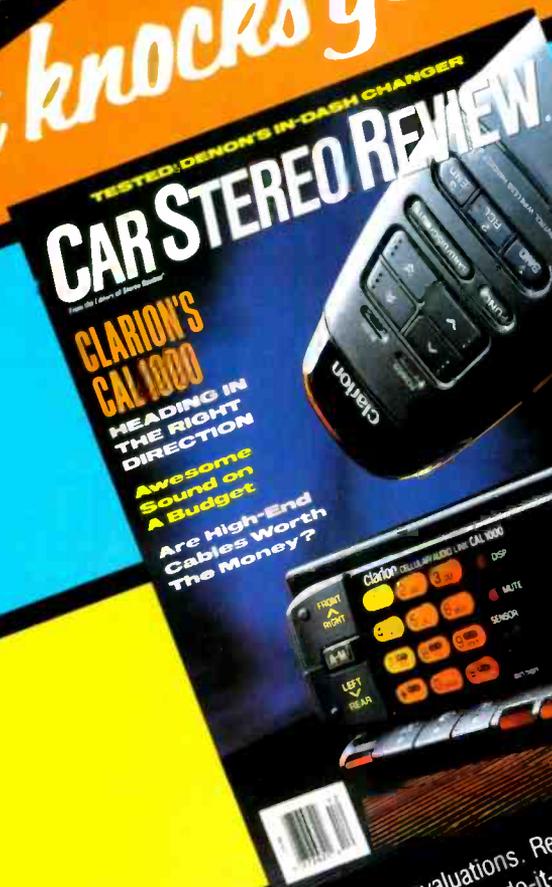
Dolby B. Features DC-servo motors. 2-cassette sequential play; high-speed dubbing; adjustable bias; Teac system remote-control compatibility. FR 30-16,000 Hz metal; W&F 0.09% wrms... \$160

Open-Reel Tape Decks

X-2000RBL Open-Reel Tape Deck

Two-speed (7.5 and 3.75 ips) 4-track, 2-channel tape deck with dbx 1 NR and 10 1/2-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-

The magazine that knocks you on your ear



It used to be simple. You had a car. It came with a radio. You listened. Period. Now you've got options. So many options, it's easy to get blown away just trying to find components that fit together—and fit your budget too. So what do you do when it's time to upgrade your car stereo?

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capstan closed-loop transport; pitch control; auto search; EE tape switch; line bias control; mic/line mixing; real-time counter. FR 40-33,000 Hz \pm 3 dB at 7.5 ips; w&F 0.03% wrms at 7.5 ips; S/N 100 dB dbx. 17 x 18 x 10 $\frac{1}{2}$ 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. Bidirectional playback; autoreverse; auto repeat; light-touch transport controls; mic/line mixing; record mute; L/R level controls; tape/source monitor and 3-mode tape selectors; timer start. FR 40-30,000 Hz \pm 3 dB 7.5 ips; w&F 0.04% wrms at 7.5 ips; S/N 65 dB; THD 3% ... \$1,550
X300. As above, without bidirectional playback, autoreverse, or auto repeat \$1,400

TECHNICS

RS-DC10 DCC Deck

Features servo-controlled 2-motor transport; optical sensor for end-of-tape and auto DCC/analog-tape detections; centered cassette well. Gold-plated RCA connectors. Analog-cassette playback compatibility with Dolby B and C NR; user DCC subcoding; 12-character album title, artist name, and track title display of prerecorded DCCs; timer; autoreverse; level meters; track-number, time counter, and transport-mode displays; remote \$999

RS-TR979 Double Cassette Deck

Dolby B, C, HX Pro. Full-logic controls; autoreverse record/play for both transports; auto tape calibration; 2 linear electronic counters; 2-cassette simultaneous record and sequential record/play; synchro record with compatible CD players; high-speed dubbing; adjustable bias; program search; FL peak-hold meters; remote-control compatibility with selected Technics receivers. FR 40-15,000 Hz \pm 3 dB high bias; S/N 66 dB Dolby B, 74 dB Dolby C; w&F 0.1%. 17 x 5 $\frac{3}{4}$ x 11 in; 11.7 lb \$400

RS-TR777 Double Cassette Deck

Dolby B, C, HX Pro. Full-logic controls; one transport autoreverse record/play, other play-only; auto tape calibration; dual linear electronic counters; 2-cassette sequential play; synchro record with compatible CD players; adjustable bias; program search; FL peak-hold meters; remote-control compatibility with select Technics receivers. FR 40-15,000 Hz \pm 3 dB high bias; S/N 66 dB Dolby B, 74 dB Dolby C; w&F 0.1%. 17 x 5 $\frac{3}{4}$ x 11 in; 10.8 lb \$300

RS-BX606 3-Head Cassette Deck

Dolby B, C, HX Pro. Features digital-servo direct-drive transport; Class AA record amp; PC-OCC coils; switchable MPX filter. Headphone jack with volume control. Full-logic controls; program search; adjustable bias; record-level and balance controls; auto tape-bias selector; repeat; auto record mute; timer; peak-hold meters. FR 30-18,000 Hz \pm 3 dB high bias; S/N (high bias) 57 dBA no NR, 66 dB Dolby B, 74 dB Dolby C; w&F 0.05%. 17 x 5 x 11 $\frac{1}{2}$ in; 10 lb ... \$300

RS-TR535 Double Cassette Deck

Dolby B, C, HX Pro. Autoreverse record/play for both transports; 2-cassette simultaneous record and sequential record/play; synchro record with compatible CD players; high-speed dubbing; adjustable bias; program search; dual FL electronic counters; FL peak-hold meters; remote-control compatibility with select Technics receivers. FR 40-15,000 Hz \pm 3 dB high bias; S/N 66 dB Dolby B, 74 dB Dolby C; w&F 0.1%. 17 x 5 $\frac{3}{4}$ x 11 in; 10.6 lb \$250

RS-BR465 Cassette Deck

Dolby B, C, HX Pro. Features 2 DC motors; switchable MPX filter. Headphone jack. Full-logic controls; autoreverse record/play; adjustable bias; record level and balance controls; auto tape-bias selector; auto record mute; timer; peak-hold meters; remote-control compatibility with select Technics receivers. FR 30-16,000 Hz \pm 3 dB high bias; S/N (high bias) 56 dBA no NR, 66 dB Dolby B, 74 dB Dolby C; w&F 0.07%. 17 x 5 $\frac{1}{2}$ x 11 $\frac{1}{2}$ in; 10 lb \$220

RS-TR333 Double Cassette Deck

Dolby B, C, HX Pro. Full-logic controls; one transport autoreverse record/play, other autoreverse play-only; 2-cassette sequential play; high-speed dubbing; program search; synchro record with compatible CD players; record level and balance controls; adjustable bias; auto tape-bias selector; auto record mute; peak-level meters; remote-control capability with select Technics receivers. FR 40-15,000 Hz \pm 3 dB high bias; S/N 66 dB Dolby B, 74 dB Dolby C; w&F 0.1%. 17 x 5 $\frac{3}{4}$ x 11 $\frac{1}{2}$ in; 10.4 lb \$220

RS-TR232 Double Cassette Deck

Dolby B, C, HX Pro. Full-logic controls; one transport autoreverse record/play, other play-only; 2-cassette sequential play; high-speed dubbing; synchro record with compatible CD players; auto record mute; FL peak-hold meters; FL electronic counter; remote-control compatibility with select Technics receivers. FR 40-15,000 Hz \pm 3 dB high bias; S/N 66 dB Dolby B, 74 dB Dolby C; w&F 0.1%. 17 x 5 $\frac{3}{4}$ x 11 $\frac{1}{2}$ in \$200

UHER OF AMERICA

Model 6000 Open-Reel Tape Deck

Dynamic NR. Four-speed (3.75, 1.88, 0.94, 0.47 ips) tape recorder. Features 4 motors; 5-in reel capacity; 24-hr record on 1 tape. Switchable auto level control; electronic tape tension control; tape counter; A/V input jack. 11 x 3 $\frac{1}{2}$ x 9 in \$2,629

CR 1601 3-Head Cassette Deck

Features direct-drive mechanism; dual capstans. Headphone jack. Azimuth adjuster; output-level control; LED meters; record mute; 1.88-, 0.94-, and 0.16-ips tape speeds. FR 20-19,000 Hz \pm 3 dB; w&F 2% wrms. 9 $\frac{1}{4}$ x 2 $\frac{1}{4}$ x 7 $\frac{1}{4}$ in; 5 lb \$2,179

CR 1600 3-Head Cassette Deck

Dolby B. With built-in speaker. Features 2 motors. Soft-touch solenoid controls; autoreverse; A/V input capability; 2 tape speeds; dual record-level meters; remote control. Operates on batteries, car battery, or 110/220-V AC. FR 30-16,000 Hz; w&F 1% \$2,179

Report-Monitor Series Tape Recorders

The following feature 3 heads, an integrated power supply, a die-cast aluminum casing, electronic amplifier switching, LED indicators, battery or AC operation, a tape-tension regulator, and 7.5-, 3.75-, 1.88-, and 0.94-ips speeds. All models can be used in portable or stationary applications.

Model 4400 Report Monitor. 4-track stereo \$2,169

Model 4200. 2-track stereo \$2,169

Model 4000 AV. Half-track mono \$2,025

VECTOR RESEARCH

VCX-270 Cassette Deck

Dolby B, C, HX Pro. Features 2-motor design; switchable MPX filter. Headphone jack with volume control. Full-logic controls; high-frequency trim and bias controls. FR 30-17,000 Hz; S/N 75 dB Dolby C, 67 dB Dolby B; w&F 0.05%. 16 $\frac{3}{8}$ x 4 $\frac{5}{8}$ x 11 $\frac{1}{4}$ in \$280

VCX-255 Cassette Deck

Dolby B, C. Record-balance control; metal-bias compatibility; adjustable bias. FR 30-17,000 Hz \pm 3 dB high bias; S/N 67 dB Dolby B, 75 dB Dolby C; w&F 0.05% wrms. 17 x 4 $\frac{1}{2}$ x 11 $\frac{1}{4}$ 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, HX Pro for both transports. Features 12-layer amorphous record/play heads; sorbothane-stabilized cassette doors. Headphone jack with volume control. 2-cassette sequential play/record and simultaneous record of independent sources; autoreverse record/play for both transports; auto tape-bias selector; play-frm control; high-speed dubbing; cross-

Dolby, random-program, and skip dubbing; 15-selection random program play for each transport; intro scan; auto record mute; blank skip; separate controls, meters, and displays for each transport; level meters. 17 $\frac{1}{8}$ x 5 $\frac{7}{8}$ x 14 $\frac{1}{4}$ in; 17.6 lb \$729

KX-670 3-Head Cassette Deck

Dolby B, C, HX Pro. Features 3 motors; closed-loop dual-capstan design; sorbothane cassette stabilizer; antivibration feet; switchable MPX filter; hard Permalloy record and play heads. Headphone jack with volume control. Auto adjustment of record bias, sens, and EO; play trim control; adjustable bias; L/R peak-level meters with peak hold; optimum-record-level indicator; 4-digit linear time counter with remaining-time display; repeat; bidirectional Intro scan; timer capability; program search; auto record mute; auto tape-bias selector. 17 $\frac{1}{8}$ x 5 $\frac{1}{4}$ x 11 $\frac{1}{8}$ in \$499

KX-W362 Double Cassette Deck

Dolby B, C, HX Pro. Features 12-layer amorphous head; 2 motors; sorbothane cassette stabilizer. Full-logic controls; autoreverse; one transport record/play, other play-only; program search; repeat play; 2-cassette sequential play; play trim control; auto tape-bias selector; record level and balance controls; record-level indicator; high-speed dubbing; auto record mute; peak-level meters. FR 20-20,000 Hz \pm 3 dB metal. 17 $\frac{1}{8}$ x 5 $\frac{1}{4}$ x 11 $\frac{1}{8}$ in; 11.6 lb \$429

KX-R470 Cassette Deck

Dolby B, C, HX Pro. Double-gap ferrite erase head; DC-servo capstan; DC reel motors; 12-layer amorphous record/play head; sorbothane cassette stabilizer; switchable MPX filter; antivibration feet. Infrared input jacks; headphone jack with volume control. Microcomputer-controlled full-logic operation; autoreverse; bidirectional Intro scan; blank skip; adjustable bias; play trim control; optimum record-level indicator; program search; repeat; record mute; auto tape-bias selector; timer; L/R LCD peak-level meters with peak hold; 4-digit LCD counter. FR 20-20,000 Hz metal. 17 $\frac{1}{8}$ x 5 $\frac{1}{4}$ x 11 $\frac{1}{8}$ in \$379

KX-360 Cassette Deck

Dolby B, C, HX Pro. Features 2 motors; switchable MPX filter; sorbothane cassette stabilizer. Headphone jack with volume control. Full-logic controls; program search; play trim control; adjustable bias; record level and balance controls; auto record mute; timer; intro scan; auto tape-bias selector; repeat; record-level indicator; peak-level meters. FR 20-20,000 Hz \pm 3 dB metal; w&F 0.05% \$329

KX-W262 Double Cassette Deck

Dolby B, C. Features 2-motor transports. Headphone jack. Full-logic controls; one transport autoreverse record/play, other autoreverse play-only; high-speed dubbing; record level and balance controls; auto record mute; repeat; 2-cassette sequential play, auto tape-bias selector; peak-level meters. FR 20-20,000 Hz \pm 3 dB metal; w&F 0.08% \$299

KX-260 Cassette Deck

Dolby B, C, HX Pro. Features 2 motors; switchable MPX filter. Headphone jack. Full-logic controls; program search; play trim control; intro scan; full and phrase repeat; auto tape-bias selector; adjustable bias; record level and balance controls; auto record mute; peak-level meters. FR 20-19,000 Hz \pm 3 dB metal. 17 $\frac{1}{8}$ x 5 $\frac{1}{4}$ x 11 $\frac{1}{8}$ in; 10.3 lb \$249

KX-W162 Double Cassette Deck

Dolby B, C. Features 2-motor transports; antivibration feet. Headphone jack. Microcomputer-controlled full-logic operation; normal high-speed dubbing; program search; auto record mute; 2-cassette sequential play; auto tape-bias selector; recording level and balance controls; peak-level meters \$249

KX-150 Cassette Deck

Dolby B, C. Features Permalloy head; 2 motors. Headphone jack. Full-logic controls; auto tape-bias selector; record mute; L/R record-level controls; peak-level meters. 9.4 lb \$219

TUNERS

ADCOM

GFT-555II AM/FM Tuner

Quartz-referenced digital-synthesis design with 8 AM/8 FM presets. Features buffered output stages using Class A amplifier; 1% Roederstein metal-film resistors; metal-film capacitors. 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; AM rej 70 dB; cap ratio 1.7 dB; S/N 78 dB stereo; THD 0.1% at 1,000 Hz \$350

ARCAM

Delta 280 FM Tuner

20 presets. FM: AM rej 50 dB; cap ratio 1.5 dB; alt-ch sel 60 dB; S/N 70 dB stereo; THD 0.3%; ch sep 40 dB. 17 x 2 1/2 x 11 in; 6 lb \$699

Alpha 5. As above, 16 presets. FM: S/N 72 dB stereo. 17 x 3 x 10 in; 5 lb \$449

AUDIO DESIGN ASSOCIATES

MT-3000 Multi-Tuner

Designed for multiroom applications; may be used with System 8000 or System Omega (see Multiroom Components). 3 independent tuner modules with 20 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 60 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; AM rej 54 dB; cap ratio 1.4 dB; alt-ch sel 80 dB; S/N 69 dB stereo; THD 0.09% stereo and ch sep 50 dB at 1,000 Hz. 19 x 3 1/2 x 11 in; 8 lb \$2,616

AUDIOLAB

Model 8000T AM/FM Tuner

Microprocessor-based design with 39 AM/FM presets. Features 9th-order elliptic LC birdie filter; rotary optical digital encoder; single FM demodulator; 20-60 dB auto muting. Signal-strength meter; center-zero tuning meter; manual tuning in 25,000-Hz steps; LCD \$1,150

AUDIOSOURCE

TNR-One AM/FM Tuner

Quartz-PLL design with 20 AM/FM presets. Auto scan and mute; digital display. FM: cap ratio 1 dB; alt-ch sel 65 dB; S/N 70 dB mono, 76 dB stereo. 16 1/2 x 2 3/4 x 11 1/2 in; 8.4 lb \$230

B&K COMPONENTS

TS-108 FM Tuner

Digital-synthesis design with 8 FM presets. Programmable selectivity; mono/stereo and local/DX switches; signal-strength meter; FL display. FM: cap ratio 1.5 dB; ch sep 40 dB. 17 x 2 1/2 x 9 in; 8 lb \$398

CAMBRIDGE AUDIO

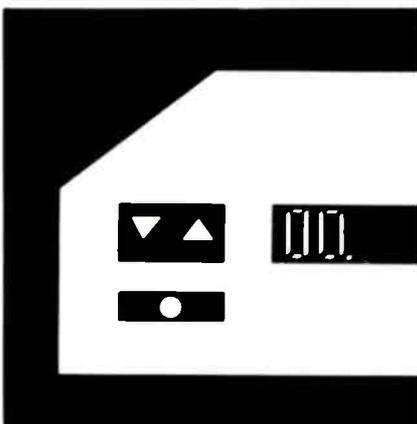
T50 AM/FM Tuner

8 AM/16 FM presets. Auto/manual scan; signal-strength meter; center tuning indicator. FM: cap ratio 2.5 dB; S/N 80 dB mono, 75 dB stereo. 17 x 3 1/4 x 12 3/4 in; 8.8 lb \$350

CARVER

TX-11b AM/FM Tuner

Digital quartz-synthesis design with 13 AM/FM presets. AM-stereo reception; multipath-rejection circuitry; AM gain and noise-elimination circuits. Switchable wide/narrow IF; 3-week memory backup; preset scan; auto/manual tuning. FM: AM rej 65 dB; cap ratio 1 dB; S/N 85 dB stereo; ch sep 45 dB and THD 0.05% at 1,000 Hz. 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; multipath-rejection circuitry. Auto/manual preset scan; FM-mono switch; analog signal-strength meter; remote control. FM: AM rej 60 dB; cap ratio 1.5 dB; alt-ch sel 66 dB; S/N 70 dB; ch sep 45 dB and THD 0.08% at 1,000 Hz. 19 x 1 3/4 x 10 in \$400

TX-8R AM/FM Tuner

Digital-synthesis design with 20 AM/FM presets. Auto/manual preset scan; mono/stereo switch; analog signal-strength meter; remote control. FM: AM rej 60 dB; cap ratio 1.5 dB; alt-ch sel 66 dB; S/N 70 dB stereo; THD 0.08% \$350

CREEK

T42 FM Tuner

Auto mute; auto frequency control; local/DX and narrow/wide-IF switches \$525

DAY SEQUERRA

Reference Analyzer FM Tuner

Analog design. Features panoramic display of 2 MHz on 4 1/2-in instrument-grade oscilloscope for RF spectrum analysis \$12,800

Reference FM Tuner

Analog design. Features 100-Hz tuning accuracy; multiple IF processors with variable Q circuits; dual-mono servos; absolute phase and phase-compensation circuitries; 4 1/2-in instrument-grade oscilloscope. Balanced outputs. Selectable IF bandwidth. 35 lb \$4,800

Studio-2 FM Tuner \$3,000

DENON

TU-680NAB AM/FM Tuner

Broadcast-monitor design with 30 AM/FM presets. Available by special order. Features noise-blanking circuitry; FM section with varactor 5-gang-equivalent tuning circuits; MOSFET RF amplifiers; MPX noise-reduction circuitry. Auto-seek and manual-step tuning; switchable wide/narrow IF bandwidth; remote control. FM: 50-dB quieting sens 37.2 dBf stereo; cap ratio 1.3 dB; S/N 82 dBA stereo; THD 0.1% stereo; ch sep 50 dB \$600

TU-650RD AM/FM Tuner

30 AM/FM presets. Features RDS digital-data reception; FM tuner with varactor 4-gang-equivalent tuning and MOSFET RF amplifiers; MPX noise-reduction circuitry; AM beat-cut filter. RDS indications of program-service name, program-type identification, and clock time; RDS search for RDS-equipped stations; RDS program-type search; station-labeling for non-RDS stations; switchable wide/narrow IF bandwidth; auto-seek and manual-step tuning; alphanumeric FL display; remote control. FM: 50-dB quieting sens 37.2 dBf; cap ratio 1.3 dB; S/N 82 dBA and THD 0.1% stereo \$375

TU-280 AM/FM Tuner

Quartz-lock digital design with 30 AM/FM presets. Features AM beat-cut filter; FM section with varactor 3-gang-equivalent tuning circuits. Denon remote-control compatibility. FM: 50-dB quieting sens 38.5 dBf stereo; cap ratio 1.5 dB; S/N 74 dBA stereo; THD 0.2% stereo; ch sep 40 dB \$250

FANFARE

FT-1 FM Tuner

8 presets. Features proprietary programming for auto frequency adjust upon drifting; digital and analog circuitries; steel chassis; noise reduction circuitry. 2 sets unbalanced outputs; composite output; balanced outputs. Wide/narrow IF switch; local/DX switch; auto seek; FL display; remote control. FM: 50-dB quieting sens 15 dBf mono, 35 dBf stereo; cap ratio 1.5 dB; adj-ch sel 10 dB wide, 25 dB narrow; alt-ch sel 55 dB wide; S/N 75 dB; THD 0.15% mono, 0.30% stereo. 19 x 10 x 10 in; 10 lb \$995

HARMAN KARDON

TU9600 AM/FM Tuner

24 AM/FM presets. Features digital fine tuning; FM pilot and subcarrier NR; active tracking circuitry; discrete output stage; high-blend circuit. 2 antenna inputs; Harman Kardon system remote-control inputs. Seek tuning; hi-blend switch; nonvolatile memory of control functions and presets; digital display; LED signal-strength meter; 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. 17 3/4 x 2 3/4 x 13 in; 7.5 lb \$429

TU9400. As above, without active tracking, digital fine tuning, antenna inputs, or 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 \$299

KENWOOD

KT-3050 AM/FM Tuner

Quartz-synthesis design with 30 AM/FM presets. Features pentacle power supply. Switchable wide/narrow IF; tmer; FL display. FM: 50-dB quieting sens 16.2 dBf mono, 38.8 dBf stereo; AM rej 76 dB; cap ratio 1 dB wide, 2.5 dB narrow; S/N (at 85 dBf) 88 dB mono, 82 dB stereo; THD (wide IF) 0.1% mono, 0.12% stereo; ch sep 55 dB at 1,000 Hz. 17 3/4 x 3 3/4 x 12 1/2 in; 9.3 lb \$269

LINN

KremIn FM Tuner

80 presets. Two unbalanced RCA outputs. Signal-strength meter. 12 1/2 x 3 1/4 x 12 1/2 in; 10.5 lb \$3,700

MAGNUM DYNALAB

Etude FM Tuner

1- and 0.15-V audio outputs. Muting; wide/narrow IF switch; tuning and multipath meters. FM: 50-dB quieting sens 13.2 dBf mono, 34 stereo; cap ratio 1.5 dB; adj-ch sel 12 dB wide, 30 dB narrow; alt-ch sel 70 dB wide, 80 dB narrow; S/N 80 dB; THD 0.1% mono, 0.18% stereo. 19 x 13 x 3 1/2 in; 15 lb \$1,350

FT-101A FM Tuner

Analog design. Features sequential blend circuit; mute circuit; auto gain control. 2 audio outputs. Wide/narrow IF switch; mono/stereo switch; digital frequency display. FM: 50-dB quieting sens 13.2 dBf mono, 34 dBf stereo; cap ratio 1.5 dB; adj-ch sel 9 dB wide, 25 dB narrow; alt-ch sel 60 dB wide, 80 dB narrow; S/N 75 dB; THD 0.1% mono, 0.18% stereo. 19 x 13 x 3 1/2 in; 12 lb \$815

FT-11 FM Tuner

Analog design with 3 presets. Features IF filtering; group delay circuits. Illuminated panel meters. FM: 50-dB quieting sens 36.3 dBf; cap ratio 1.5 dB; adj-ch

TUNERS

sel 12 dB; alt-ch sel 70 dB; S/N 75 dB; THD 0.13% mono, 0.18% stereo. 17 x 2½ x 7 in; 10 lb \$495

MARANTZ

ST-53 AM/FM Tuner

59 AM/FM presets. Features dual-gate MOSFET IF section; 4-gang FM front end. 75-ohm antenna input; RC-5 system remote-control interface. 2-week battery-free memory backup; direct station access; separate mono/stereo and muting switches; last-station memory; preset scan; FL display. FM: 50-dB quieting sens 14.8 dBf mono; cap ratio 1 dB; alt-ch sel 75 dB; S/N 80 dB mono, 73 dB stereo; THD 0.1% mono, 0.2% stereo; ch sep 45 dB at 1,000 Hz. 3-yr limited warranty. 16¾ x 3¾ x 11¾ in; 9 lb \$299

MCINTOSH

MR-7083 AM/FM Tuner

PLL design with 8 AM/8 FM presets. Features D-MOSFET RF amp for FM; JFET amp for AM. FM: 50-dB quieting sens 15 dBf mono, 37 dBf stereo; AM rej 78 dB; cap ratio 1.5 dB; alt-ch sel 70 dB; ch sep 50 dB. Available in wide-chassis version. 16½ x 5¾ x 14 in; 15.5 lb \$1,750

MERIDIAN

Model 204 MkII FM Tuner

18 FM presets. Features steel chassis; RFI shielding. Clock/timer; adjustable seek tuning; scan tuning; status and signal-strength displays. FM: cap ratio 1.5 dB; THD 0.02% mono, 0.4% stereo; ch sep 40 dB at 1,000 Hz. 6¾ x 4 x 12¾ in \$1,190

MTX SOUNDCRAFTSMEN

T100 AM/FM Tuner

20 AM/FM presets. Features digital quartz circuitry. 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. 17 x 1¾ x 14¼ in \$400

MUSEATEX

FM-1 AM/FM Tuner

Digital-synthesis design with 99 AM/FM presets. Features PLL loop detectors; IF demodulation. 2 antenna cable inputs. Fine tuning; auto preset store; mono/stereo and IF-bandwidth switches; LCD; remote control. 5-yr warranty. 14 lb \$999

NAD

Model 402 AM/FM Tuner

24 AM/FM presets. Features IF filters; switchable blending circuit. NAD-Link facility for remote control via other NAD products; high-speed search tuning. FM: cap ratio 1.6 dB; alt-ch sel 58 dB; S/N 74 dB. 16½ x 3 x 11½ in; 8.8 lb \$249

NAIM

NAT 01 FM Tuner

Features progressive switching from mono to stereo; separate power supply. Auto bandwidth selection; digital frequency display increasing in brightness to indicate signal strength. 11¾ x 3 x 8 in \$3,095
NAT 02. As above, integral power supply \$1,935

NAT 03 FM Tuner

Features toroidal transformer. Digital frequency display. 12¼ x 2¼ x 12 in \$1,055

ONKYO

Integra T-9090II FM Tuner

20 AM/FM presets. Features auto/manual reception-optimization system to select A/B antenna, RF (local/DX), 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; FM fine tuning; adjustable output level; remote control. FM: cap ratio 1 dB;



Yamaha TX-470

alt-ch sel 95 dB narrow; S/N 95 dB mono; THD 0.009%; ch sep 55 dB wide. Wood side panels. 18¼ x 4¾ x 15¼ in; 18.7 lb \$780

Integra T-407 AM/FM Tuner

40 AM/FM presets. Features auto reception-optimization system with manual override; 5-varactor/MOSFET RF section; front-end design to minimize IM. Battery-free memory backup; 8 preset groups; FM fine tuning in 25- or 50-kHz steps; direct station access; switchable tuning level and mute; signal-strength meter; Onkyo RI-system remote-control compatibility. FM: cap ratio 1.3 dB; alt-ch sel 50 dB narrow; S/N 85 dB mono; THD 0.1%. 18 x 3¾ x 14¼ in; 10.6 lb \$350

T-450RDS AM/FM Tuner

30 AM/FM presets. RDBS reception; auto reception-optimization system. RDBS program search and text display; battery-free memory backup; 6 preset groups; direct station access; auto scan tuning; program search; program type; radio text \$350

T-404 AM/FM Tuner

40 AM/FM presets. Features auto reception-optimization system; MOSFET front end. Battery-free memory backup; 6 preset groups; direct station access; auto scan tuning; Onkyo RI-system control compatibility. FM: cap ratio 1.5 dB; alt-ch sel 50 dB; S/N 73 dB mono; THD 0.1%; ch sep 40 dB \$200

OPTIMUS BY RADIO SHACK

TM-155 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. FM alt-ch sel 40 dB; S/N 60 dB. 9¼ x 3½ x 6¾ in \$60

PARASOUND

T/DQ-2000II AM/FM Tuner

PLL design with 20 AM/FM presets. Features regulated power supply. Scan tuning; mono switch; remote control. FM: 50-dB quieting sens 36.9 dBf; cap ratio 1.2 dB; alt-ch sel 84 dB; THD 0.05% mono, 0.1% stereo. 19 x 3½ x 12½ in \$525

T/DQ-1000 AM/FM Tuner

PLL design with 18 AM/FM presets. Features C-MOS switching. FM: S/N 76 dB stereo \$345

T/DQ-260 II AM/FM Tuner

Quartz-referenced PLL digital-synthesis design with 8 AM/8 FM presets. Regulated power supply. Scan tuning; mono switch. FM: 50-dB quieting sens 37.7 dBf; cap ratio 1.2 dB; alt-ch sel 66 dB; THD 0.05% mono, 0.1% stereo. 17¼ x 2½ x 9½ in \$295

PIONEER

F-449 AM/FM Tuner

36 AM/FM presets. Features digital processing combined with direct FM conversion to L/R audio outputs; RF attenuator. Selectable normal/narrow IF bandwidth; 3-speed search; SR-system remote-control compatibility. 16¾ x 3¾ x 12½ in \$285

QUAD

Model 66 FM Tuner

19 presets. Designed for use with Model 66 preamp. Auto search in 25- or 50-kHz steps; LCD. FM: S/N 76 dB; THD 0.05% mono, 0.1% stereo \$1,050

FM4 FM Tuner

8 presets. Designed for use with Quad 34 preamp. Features microprocessor control; center-channel tuning. Signal-strength display. FM: S/N 70 dB; THD 0.05% mono, 0.1% stereo \$849

ROTEL

RT950BX AM/FM Tuner

20 AM/FM presets. Features AM-wideband reception. Mono switch; signal-strength indicator. FM: 50-dB quieting sens 14.8 dBf mono, 37.2 dBf stereo; cap ratio 1 dB; alt-ch sel 63 dB; S/N (65 dBf) 80 dB mono, 75 dB stereo; THD (65 dBf, 1,000 Hz) 0.07% mono, 0.25% stereo. 17¾ x 2¾ x 11¼ in; 7.9 lb \$300

SONY

ES Series

ST-S730ES AM/FM Tuner

Diode-activated frequency-synthesis design with 30 AM/FM presets. Tracking of FM-transmission modulation by shifting narrow band-pass filter; PLL detector; antenna attenuator to prevent front-end overload; optically-sensed rotary tuning. Calibration tone; timer capability. FM: 50-dB quieting sens 16.8 dBf mono, 37.9 dBf stereo; cap ratio 1 dB wide IF; S/N 100 dB mono, 92 dB stereo; THD 0.004% mono, 0.0075% stereo; ch sep 70 dB at 1,000 Hz \$570

ST-S550ES AM/FM Tuner

30 AM/FM presets. Features switchable antenna attenuator. Alphanumeric preset labeling; interstation muting. FM: 50-dB quieting sens 16.8 dBf mono, 38.5 dBf stereo; cap ratio 1 dB wide IF; S/N 82 dB mono, 78 dB stereo; THD (stereo) 0.08% normal, 0.05% wide; ch sep 65 dB at 1,000 Hz wide \$300

TEAC

T-X3000 AM/FM Tuner

Quartz-PLL design with 20 AM/FM presets. Features switchable MPX filter. Auto FM mono/stereo switch; preset scan; seek tuning; FL display. FM: 50-dB quieting sens 17 dBf mono, 39.2 dBf stereo; AM rej 65 dB; cap ratio 1.7 dB; alt-ch sel 68 dB; S/N (65 dBf, 1,000 Hz) 80 dB mono, 72 dB stereo \$220

TECHNICS

ST-G460 AM/FM Tuner

Quartz-synthesis design with 39 AM/FM presets. Features DC circuit construction; DC linear switching MPX filter; wide-band quadrature detector. FM-mode switch; FL display. FM: 50-dB quieting sens 38.1 dBf stereo; AM rej 55 dB; cap ratio 1 dB; alt-ch sel 65 dB; S/N 73 dB stereo; THD 0.1% stereo \$240

YAMAHA

TX-950 AM/FM Tuner

40 presets. Features auto selection of PLL-synthesis or FM-voltage-servo tuning. Labeling for 24 presets; mono switch. Optional RS-system-compatible remote control \$429
TX-350. As above, without station labeling \$199

TX-470 AM/FM Tuner

40 presets. Features direct PLL tuning combined with microprocessor-controlled IF-count-synthesizer tuning. Band, mode, and frequency memory; auto FM-preset store; rotary encoder with lock. Remote optional. 17¾ x 3¾ x 11¾ in; 7 lb \$269

BANG & OLUFSEN

The following feature an electronically controlled tangential tonearm and auto play-speed selection. Cartridges are not included.

Beogram 7000 Automatic Turntable

Integrates with Beosystem 7000. Features suspended subchassis; integral RIAA preamplifier to provide line-level output. Play speeds 33 1/3 and 45 rpm. W&F 0.03% wrms; rumble 80 dB DIN wtd; S/N 80 dB. Polished-aluminum or white finish. 16 1/2 x 3 x 12 3/4 in; 18.4 lb \$500

Beogram 4500 Automatic Turntable

Integrates with Beosystem 4500. Features 3-point leaf-spring suspension; RIAA integral preamplifier to provide line-level output. Play speeds 33 1/3 and 45 rpm. W&F 0.03% wrms; rumble 80 dB DIN wtd; S/N 80 dB. 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. Play speeds 33 1/3 and 45 rpm. W&F 0.03% wrms; 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

BASIS

Debut Gold Vacuum Turntable

Belt drive. Features vacuum-pump mechanism for warped records with pump-level control; 4-point fluid-damped suspension; 2-in acrylic subchassis; oil-well bearing with platter center of gravity below upper bushing; 28-lb computer-balanced acrylic/lead platter; 8-lb damped acrylic/lead armboard. Includes interface cable and 40 feet of tubing. Play speeds 33 1/3 and 45 rpm \$8,900
Debut Gold Standard. As above, without vacuum pump \$6,900
 Vacuum mechanism retrofit for Debut Gold Standard \$2,600

Ovation Manual Turntable

Belt drive. Features 4-point fluid-damped suspension; 2-in acrylic subchassis; lead-damped acrylic platter and armboard. Play speeds 33 1/3 and 45 rpm. 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; shock-isolated feet. Digital speed control of ±9.9% in 0.1% increments; LCD. Play speeds 33 1/3 and 45 rpm. W&F 0.006%; S/N 82 dB \$750

DP-47F Automatic Turntable

Direct drive. Features auto record-size and speed selection; DC-servo motor; quartz-lock/magnetic-pulse speed servo; die-cast platter; polished wood base; shock-isolated feet. Play speeds 33 1/3 and 45 rpm. W&F 0.01%; S/N 78 dB \$500

DP-23F Automatic Turntable

Direct drive. DC-servo motor; quartz-lock/magnetic-pulse speed servo; die-cast platter. Play speeds 33 1/3 and 45 rpm. W&F 0.02%; S/N 75 dB \$325

DP-7F Automatic Turntable

Direct drive with P-mount cartridge. Features DC-servo motor; quartz-lock/magnetic-pulse speed servo; die-cast platter. Play speeds 33 1/3 and 45 rpm. W&F 0.018%; S/N 75 dB \$250

DUAL

Golden-1 Semiautomatic Turntable

24-karat gold-plated metal components; gyroscopic gimbal tonearm with torsion spring; tonearm optimization for MC systems; floating chassis; vibration-



damped aluminum platter with anti-resonance mat; quartz-controlled motor with microprocessor-controlled speed; record stabilizer. Viscosity-damped cueing control; contact-free power-off switching with tonearm lifting; detachable headshell; adjustable tracking and anti-skating forces. Play speeds 33 1/3, 45, and 78 rpm. W&F 0.013%; S/N 80 dB. Wood case with black piano-lacquer finish \$1,195

CS-750S Semiautomatic Turntable

Belt drive. Features microprocessor-controlled quartz drive mechanism; aluminum tonearm. Cartridge not included. Play speeds 33 1/3, 45, and 78 rpm. W&F 0.014 wrms; S/N 80 dB \$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. Cartridge not included. Play speeds 33 1/3 and 45 rpm. W&F 0.035%; S/N 75 dB \$520
 With DN168E 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. Cartridge not included. Optional gold or silver finish on all metal parts. Play speeds 33 1/3 and 45 rpm. W&F 0.04%; S/N 72 dB \$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. Adjustable tracking and anti-skating forces; pitch control; viscosity-damped cueing control. Cartridge not included. Play speeds 33 1/3 and 45 rpm. W&F 0.07%; S/N 65 dB \$270
 With DMS251S cartridge \$320

ESOTERIC SOUND

Osiris Manual Turntable

Belt drive. Features brushless DC-servo motor; static-balanced tonearm; sapphire platter thrust bearing; 3-point mounting. Cue lever; pitch control. Play speeds 33 1/3, 45, 71.29, 76.59, 78.26, and 80 rpm. W&F 0.04%; rumble 80 dB; min tracking force 3 g. 2-yr warranty. 20 1/4 x 16 1/2 x 7 1/2 in \$1,225

BES Turntable

Belt drive. Cue lever and motor switch. Play speeds 33 1/3 and 78.26 rpm. W&F 0.1%; rumble -65 dB; min tracking force 3 g. 18 1/4 x 14 1/4 x 6 1/4 in \$665

V-3(LN) Manual Turntable

Direct drive. Features separate power supply; brush-

less DC motor; solenoid platter brake. XLR lamp outlet. Cue lever and motor switch; pitch control. Play speeds 33 1/3, 45, 71.29, 76.59, 78.26, and 80 rpm. W&F 0.025%; rumble 60 dB; min tracking force 1.25 g. 17 3/4 x 13 3/4 x 6 in \$525
V-3. As above, integral power supply \$475

Ramses Manual Turntable

Belt drive. XLR lamp outlet. Cue lever and motor switch. Play speeds 33 1/3, 45, 71.29, 76.59, 78.26, and 80 rpm. W&F 0.025%; min tracking force 3 g. 1-yr warranty. 17 3/4 x 13 3/4 x 6 in \$425

V-2b Semiautomatic Turntable

Direct drive. Features brushless DC motor; solenoid platter brake. XLR lamp outlet. Cue lever and motor start switch; adjustable tracking and antiskating forces. Play speeds 33 1/3, 45, 71.29, 76.59, 78.26, and 80 rpm. W&F 0.025%; rumble 57 dB; min tracking force 1.5 g. 16 1/2 x 13 3/4 x 4 1/2 in \$375
Isis. As above, with continuously variable speed control from 60-130 rpm and vertical/lateral switch \$425

Vintage Semiautomatic Turntable

Belt drive with P-mount cartridge. Features DC motor. Play speeds 33 1/3, 45, 71.29, 76.59, 78.26, and 80 rpm. W&F 0.045%; rumble 70 dB \$265

RA-6 Semiautomatic Turntable

Belt drive with cartridge. Features DC motor. Stylus for LPs and 78s. Cue lever, motor-start switch. Play speeds 33 1/3, 45, 71.29, 76.59, 78.26, and 80 rpm. W&F 0.045%; rumble 55 dB; min tracking force 2 g \$225

HEYBROOK

TT-3 Series II Manual Turntable

Belt drive. Features adjustable 3-point cast-aluminum spring suspension; 2-piece platter; removable armboard. Tonearm not included. Play speeds 33 1/3 and 45 rpm. W&F 1% DIN peak wtd; rumble -73 dB wtd DIN-B. 17 1/2 x 6 1/4 x 14 1/4 in, 26 lb \$898

J.A. MICHELL

Gyrodec MkIII Manual Turntable

Belt drive. Features 3-point suspension; 2 ground belts; torque Papst motor; 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. Play speeds 33 and 45 rpm. W&F 0.05%; rumble 80 dB. 5-yr warranty. Available with 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 Rega RB3000 tonearm. Features 3-point suspension; AC-synchronous motor; glass platter; cast-aluminum chassis; clear acrylic base. Play speeds 33 and 45 rpm. W&F 0.05%; rumble 77 dB. 5-yr warranty 18 x 5 x 13 in; 21 lb \$1,350
Mycro Version. As above, with black acrylic platter \$1,450

JVC

AL-A155TN Semiautomatic Turntable

Belt drive with straight tonearm. Features statically balanced tonearm with low-center-of-gravity support; DC-servo motor; die-cast aluminum platter. Cueing control; plug-in cartridge connectors. Cartridge not included. W&F 0.04%; S/N 65 dB; applicable tracking force 1.25 g; effective length 220 mm. 17 1/4 x 4 1/4 x 14 1/4 in; 7 lb \$120

KENWOOD

KD-491FC Automatic Turntable

Belt drive with T-4P cartridge. Cueing lever; system

T U R N T A B L E S

remote-control compatibility. Includes 45-rpm adaptor. 9 lb \$130

KD-291RC Semiautomatic Turntable

Belt drive. Features manual cueing lever. Includes 45-rpm adaptor. 8 lb \$80

LINN

Sondek LP12 Lingo Turntable

Features separate direct-coupled isolated power supply; separate drive for both motor phases. Play speeds 33 and 45 rpm \$2,645

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; stainless-steel base plate; solid hardwood base. 45-rpm adaptor optional. W&F 0.04% wrms; rumble -60 dB. 17½ x 5½ x 14 in ... \$1,745

Axis Manual Turntable

Belt drive with pivoted Akito arm. Play speeds 33½ and 45 rpm. W&F 0.05%; rumble 75 dB; effective tonearm length 284 mm \$1,195

Basik Manual Turntable

Belt drive. Features 24-pole synchronous motor; trampoline-type suspension \$595

MERRILL AUDIO

Heirloom Turntable

Screw-down center clamp; fluid-damped motor; outboard power supply; constant-resonance tuning system; acrylic subchassis and platter \$3,800

ONKYO

CP-101A Semiautomatic Turntable

Belt drive with straight tonearm and cartridge. Features die-cast aluminum platter; DC-servo motor. Auto cut function \$160

OPTIMUS BY RADIO SHACK

LAB-340 Semiautomatic Turntable

Belt drive with straight tonearm and dual-moving-magnet cartridge. Features 0.6-mil diamond stylus; die-cast aluminum platter. W&F 0.15%; tracking error +3°, -1°; S/N 45 dB; recommended tracking force 2.5 g; effective tonearm length 203 mm \$150

LAB-2250 Automatic Turntable

Belt drive with linear-tracking tonearm and cartridge. Features die-cast-aluminum platter; power-failure protection; elliptical diamond stylus. Cue button. Play speeds 33½ and 45 rpm. W&F 0.1%; S/N 55 dB; tracking force 2-3 g; effective tonearm length 132 mm. 14¼ x 3¾ x 13¾ in; 8.6 lb \$100

ORACLE

The following turntables do not include a tonearm.

Premiere MkIV Manual Turntable

Belt drive. Features subchassis; floating suspension; remote electronic drive; turbo power supply. Armboard, dust cover optional. Black/gold \$5,195
 Above in silver/gold \$4,795
 Above in silver \$3,995
 Full upgrade from MkII or MkIII \$1,600
 Electronic and power-supply upgrade from MkII to MkIV \$650
 Electronic and power-supply upgrade from MkIII to MkIV \$500

Delphi MkIV Manual Turntable

Belt drive. Features subchassis; floating suspension. Armboard and dustcover optional. Black/gold. 19 x 14½ in \$3,495
 Above in silver \$2,795
 Above in silver/black \$2,650
 Full upgrade from MkI, MkII or MkIII \$960

Electronic upgrade from MkI or MkII \$600
 Electronic upgrade from MkIII \$500

Alexandria MkIV Manual Turntable

Belt drive. Features subchassis; floating suspension. Armboard and dust cover optional. 19¼ x 14¾ in \$1,595
 Electronic upgrade from MkII or MkIII \$500

Paris Manual Turntable

Belt drive. Features subchassis; 3-point viscoelastic polymer suspension. White or black. 14½ x 19 in; 15 lb \$995

PINK TRIANGLE

Anniversary Edition Turntable

Belt drive. Features inverted sapphire bearing system; machined solid-acrylic platter; spring-suspended subchassis made of non-resonant aerolam; DC-servo power supply. Play speeds 33½ and 45 rpm. W&F 0.05%. Natural/black ash solid-hardwood base \$3,995

Export Turntable

Belt drive. Features inverted sapphire bearing system; machined solid-acrylic platter; AC-synchronous clock motor; integrated power supply. Play speeds 33½ and 45 rpm. Rumble -72 dB \$1,895

LPT Turntable

Belt drive. Features machined solid-acrylic platter; Medite subchassis; non-inverted jewel bearing. Play speeds 33½ and 45 rpm. W&F 0.05%; rumble -72 dB. Black-ash base \$1,199

PIONEER

Elite Series

PL-90 Automatic Turntable

Direct drive with aluminum/ceramic straight tonearm. Features coreless quartz-PLL DC-servo motor with stable hanging rotor; dynamic tonearm resonance absorption. Play speeds 33½ and 45 rpm. W&F 0.018%; S/N 85 dB; effective arm length 11½ in. 23½ x 8½ x 17½ in; 38.1 lb \$950

REVOLVER

Revolver Super Turntable

Belt drive. Features split-plinth design; glass-filled polyphenylene platter; record clamp; anti-static mat. Redwood veneer \$950
 Black-ash veneer \$875

Revolver Turntable

Belt drive. Split-plinth design; medium-density-fiberboard platter; AC-synchronous motor; record clamp; anti-static mat. Redwood veneer finish \$670
 Black-ash veneer \$595

Revolver Rebel Turntable

Includes tonearm and Goldring Elan cartridge. Black-lacquer finish \$449

ROTEL

RP900 Manual Turntable

Belt drive with die-cast straight tonearm. Features 24-pole AC-synchronous motor; floating suspension; antiskating. 78-rpm pulley optional. Play speeds 33½ and 45 rpm \$500

SONY

PS-LX120D Semiautomatic Turntable

Belt drive with tonearm and P-mount cartridge. Features servo motor control \$95

SOTA

All SOTA turntables are belt driven and run at 33½ and 45 rpm. All models, except Comet, do not include tonearm, tonearm mounting board, or dust cover, and measure 7½ x 20¼ x 16½ in.

COSMOS Turntable

Features vacuum pump; inverted sapphire bearing; 12-lb platter with spring suspension/isolation system; AC-stepper motor; electronic speed change. Pitch control. W&F 0.03%; rumble -87 dB. Fountainhead cabinets for turntable and pump power supply; high-gloss black \$4,600
 Black/gray matrix or white \$4,000
Nova. As Cosmos, with multiple-layer 22-lb wood/aluminum and lead sub-assembly. Wood cabinet. Rosewood or ebony \$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 \$1,950
Light/dark/black oak or satin black \$2,250
Sapphire. As Star, without vacuum pump. 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

Features resonance-free polymer platter; AC-synchronous motor; static elastic suspension/isolation system. W&F 0.1%; rumble -65 dB. Oak or satin black. 25 lb \$595
Comet. As above, monolithic gloss-black acrylic cabinet. 6 x 18½ x 14 in; 20 lb \$550

SUMIKO

Project One Semiautomatic Turntable

Belt drive with pivoted tonearm and fixed-mounted cartridge. Auto cueing; anti-skating adjustment. Play speeds 33½ and 45 rpm. W&F 0.09%; rumble 75 dB; recommended tracking force 0.75-3 g \$350

TECHNICS

SL-1200 MkII Manual Turntable

Direct drive. Features antiresonant viscoelastic base; gimbal tonearm suspension; quartz control; brushless DC motor; die-cast aluminum cabinet. ±8% quartz-locked pitch control; pop-up stylus light; tonearm-height adjustment. Play speeds 33½ and 45 rpm. W&F 0.025% \$500

SL-QD33 Automatic Turntable

Direct drive with pivoting tonearm and P-mount cartridge. Features 2-motor design; quartz lock; brushless DC motor. Strobe light; remote-control compatibility with select Technics receivers. Play speeds 33½ and 45 rpm. W&F 0.012%; rumble -78 dB; tonearm length 9¼ in; tonearm mass 7.5 g. 17 x 4½ x 14¾ in; 10 lb \$240

SL-BD22 Semiautomatic Turntable

Belt drive with pivoting tonearm and P-mount cartridge. Features vibration-isolation base; die-cast aluminum gimbal tonearm suspension. Cue control. Play speeds 33½ and 45 rpm. W&F 0.45%; rumble -70 dB DIN B; tonearm length 9¼ in; tonearm mass 7.5 g. 17 x 4½ x 14¾ in; 8 lb \$140

SL-BD20A Semiautomatic Turntable

Belt drive with P-mount cartridge. Features vibration-absorbing base; gimbal tonearm suspension; DC-servo motor. Play speeds 33½ and 45 rpm. W&F 0.045% ± 0.06%; rumble -70 dB; tonearm mass 13.5 g. 17 x 3¾ x 14¾ in; 8 lb \$130

THORENS

The following feature a straight tubular tonearm, a gimbal suspension, an antiskating control, and a 9.12-in effective tonearm length.

TD 520 II Semiautomatic Turntable

Belt drive. Features solid-core chassis; 3-point leaf-spring suspension. Electronic speed selection; ±6% pitch control; stroboscope; velocity-sensing auto shut-off; frictionless magnetic antiskating. Play speeds 33½, 45, and 78 rpm \$1,580

TD 320 MkIII Semiautomatic Turntable

Belt drive. Features 16-pole synchronous motor; solid-core chassis; 3-point leaf-spring suspension. Velocity-sensing auto shut-off. Play speeds 33 $\frac{1}{3}$ and 45 rpm. W&F 0.35%. 17 $\frac{3}{8}$ x 6 $\frac{3}{4}$ x 13 $\frac{7}{8}$ in. \$820

TD 318 MkIII Semiautomatic Turntable

Belt drive. Features 16-pole synchronous motor; solid-core chassis; 3-point leaf-spring suspension. Velocity-sensing auto shut-off. Play speeds 33 $\frac{1}{3}$ and 45 rpm. W&F 0.04%. 17 x 6 x 14 in. \$650

TD 290 Semiautomatic Turntable

Belt drive. Features dynamically balanced zinc-alloy platter. Auto shut-off; detachable headshell. Play speeds 33 $\frac{1}{3}$ and 45 rpm. 17 x 5 $\frac{1}{4}$ x 14 in.; 14.3 lb. \$490

TD 280c MkIII Semiautomatic Turntable

Belt drive with factory-mounted Ortolon OMB-10 cartridge. Features 24-pole synchronous motor; solid-core chassis; spring damping elements in feet. Velocity-sensing auto shut-off. Play speeds 33 $\frac{1}{3}$ and 45 rpm. W&F 0.045%. 17 x 5 $\frac{3}{8}$ x 14 in. \$450

TD 280 MkIII. As above, without Ortolon cartridge. \$430

VOYD

Voyd Reference Turntable

Belt drive. Continuously variable speed. Play speed 33 $\frac{1}{3}$ rpm. W&F 0.0001%; rumble 90 dB. \$12,000
Voyd .5. As above, W&F 0.001%. \$6,600

Voyd Turntable

Belt drive. Play speeds 33 $\frac{1}{3}$ and 45 rpm. W&F 0.01%; rumble 85 dB. 20 $\frac{1}{2}$ x 7 x 17 in. \$3,200

Valdi Turntable

Belt drive. Play speeds 33 $\frac{1}{3}$ and 45 rpm. W&F 0.01%; rumble 80 dB. 18 x 14 x 6 in. \$2,000

VPI

TNT Series 3 Turntable

Features 4-pulley isolated drive system. 21 x 8 x 19 in. \$5,000

TNT Series 2 Turntable

Belt drive with fixed cartridge. Continuously variable speed. W&F 0.02%; rumble 86 dB. 21 x 8 x 19 in. \$3,500

HW-19 MkIV Turntable

Belt drive. Features 1-in-thick MDF subchassis; reflex clamping system; acrylic platter. Play speeds 33 and 45 rpm. W&F 0.035%; rumble -79 dB. 21 $\frac{1}{4}$ x 7 x 16 $\frac{1}{2}$ in. \$1,800

WELL TEMPERED

The Well Tempered Classic Turntable

Belt drive. Features zero-clearance-bearing fluid-damped arm; 3-layer MDF base; isolated damped motor assembly. Vertical-tracking and azimuth controls. Fountainhead base. \$3,370
Classic arm and table, glossy finish. \$2,195
Classic arm and table, satin finish. \$1,995

The Well Tempered Record Player

Belt drive. Features zero-clearance-bearing fluid-damped arm; 3-layer MDF base; isolated damped motor assembly. Vertical-tracking, antiskating, and azimuth controls. Glossy finish. \$1,195

YAMAHA

TT-400U Automatic Turntable

Belt drive with straight tonearm. Features disc clamper; resonance-absorbing mat. RS-system remote-control compatibility. \$249

TT-300U Semiautomatic Turntable

Belt drive with straight tonearm. Features resonance-absorbing mat. Includes EP adaptor. \$199

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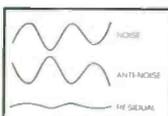
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AIRTANGENT

Reference Tonearm

Air-bearing parallel-tracking design. Interchangeable arm wand; adjustable vertical tracking angle; remote cueing. Recommended cartridge weight 4-20 g; tracking force 0.5-5 g \$12,900
Model 10B. As above, no remote cueing \$7,900

ARCAM

The following phono cartridges are available in a magnesium (6-g weight) or plastic (6.3-g weight) body. Common specs include 4-mV output at 5 cm/sec and 1.6-2 g tracking force.

P77Mg. Profilled stylus \$185
E77Mg. Elliptical stylus \$150

AUDIO NOTE

lo-Ltd Signature Moving-Coil Phono Cartridge

Van den Hul stylus. Features gun-metal body; titanium cantilever; energized silver coils; separate constant-current power supply with tube rectification; DC power supply. Ch sep 44 dB at 1,000 Hz; tracking force 1.8-3 g \$4,995
 Replacement stylus \$2,750
lo-2. As above, without separate power supply \$2,995
 Replacement stylus \$1,200
AN-S3. Silver-wire transformer for lo-Ltd or lo-1 \$2,895

AN-1/s Tonearm

Pivoting bimetallic self-damping design. Features AN-AI silver tonearm wire; AN-V silver interconnect. Fixed cartridge mount; cueing; antiskating adjuster; adjustable vertical tracking angle. Overall length 266.7 mm; pivot-to-stylus length 254 mm; cartridge weight 6-24 g; tracking force 1-4 g; mounting-hole diameter 63.5 mm \$2,295
 Above wired with AN-VX \$2,995
 AN-1/s terminated with pure-silver RCA plugs or phono clips \$2,395
AN-0/s. As AN-1/s, aluminum tube terminated with AN-V silver interconnects \$1,495

AUDIOQUEST

7000-NSX Moving-Coil Phono Cartridge

Line-contact stylus. Features solid-silver coil; non-resonant 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. Features 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. Features cast-aluminum body; hollow-boron cantilever. Available with 1.2 mV or 0.5 mV output \$695

AQ PT-7 Tonearm

Straight. Features LC-OFC wiring; nonresonant aluminum/polyolefin structure; pure-copper/Teflon plug-in tonearm cable. Fixed headshell; adjustable viscous damping at pivot point. Pivot-to-stylus length 229 mm \$495

AQ PT-6. As above, standard-grade plug-in cable \$395

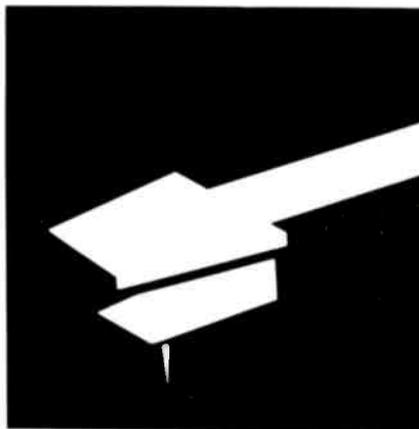
AQ PT-8. As above, with Lapis and tonearm cable \$595

AQ MC-5 Moving-Coil Phono Cartridge

Line-contact stylus. Features nonresonant polymer body; aluminum cantilever. Output 1.4 mV; FR 20-30,000 Hz \$395

AQ MC-3 Moving-Coil Phono Cartridge

Elliptical stylus. Features nonresonant polymer body; aluminum cantilever. Output 3 mV; FR 20-20,000 Hz; tracking force 2 g \$195



AQ M-1 Phono Cartridge

Elliptical stylus. FR 20-20,000 Hz; tracking force 1.5 g \$99

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; FR 5-40,000 Hz; ch sep 31 dB at 1,000 Hz; tracking force 1.25 g. 7 g \$345

AT440ML Phono Cartridge

Nude-mounted square-shank micro-linear stylus. Features paratoroidal PC-OCC coils. Output 5 mV; FR 5-32,000 Hz; ch sep 30 dB at 1,000 Hz; tracking force 0.8-1.6 g. 6 g \$195

AT120E/T Phono Cartridge

0.3 x 0.7-mm titanium-bonded stylus. Features OFC coils. Output 5 mV; FR 15-25,000 Hz; ch sep 29 dB at 1,000 Hz; tracking force 1-1.8 g. 6.4 g \$95

P-Mounted Series

AT132EP Phono Cartridge

0.2 x 0.7-mm biradial nude-mounted stylus. Features paratoroidal OFC coils. Output 5 mV; FR 10-30,000 Hz; ch sep 30 dB at 1,000 Hz; tracking force 1-1.5 g \$150

AT331LP Phono Cartridge

Linear-contact stylus. Output 5 mV; FR 10-30,000 Hz; ch sep 31 dB at 1,000 Hz; tracking force 1.8-2.2 g. 6 g \$145

AT316EP Phono Cartridge

0.3 x 0.7-mm biradial nude-mounted stylus. Output 5 mV; FR 10-27,000 Hz; ch sep 29 dB at 1,000 Hz; tracking force 1.8-2.2 g. 6 g \$100

AT311EP Phono Cartridge

Bonded 0.4 x 0.7-mil biradial stylus. Output 5 mV; FR 15-27,000 Hz; ch sep 29 dB at 1,000 Hz; tracking force 1.8-2.2 g. 6 g \$75

AT301EP. As above, FR 15-25,000 Hz, ch sep 26 dB at 1,000 Hz \$65

AT300P Phono Cartridge

Bonded 0.7-mil unradial stylus. Output 5 mV; FR 20-22,000 Hz; ch sep 26 dB at 1,000 Hz; tracking force 1.8-2.2 g. 6 g \$55

BANG & OLUFSEN

MMC-1 Phono Cartridge

Nude multiradial diamond stylus. Features sapphire cantilever. FR 20-20,000 Hz \pm 1 dB, ch sep 30 dB at 1,000 Hz; tracking force 1 g. 1.6 g \$500

MMC-2. As above, FR 20-20,000 Hz \pm 1.5 dB, ch sep 25 dB at 1,000 Hz \$270

MMC-3 Phono Cartridge

Nude elliptical diamond stylus. Features tapered aluminum cantilever. FR 20-20,000 Hz \pm 2 dB, ch sep 25 dB; tracking force 1.2 g. 1.6 g \$170

MMC-4 Phono Cartridge

Titanium-bonded elliptical diamond stylus. Features tapered aluminum cantilever. FR 20-20,000 Hz \pm 2.5 dB; ch sep 22 dB at 1,000 Hz; tracking force 1.2 g. 1.6 g \$100

MMC-5 Phono Cartridge

Titanium-bonded elliptical diamond stylus. Features straight aluminum cantilever. FR 20-20,000 Hz \pm 3 dB; ch sep 20 dB at 1,000 Hz; tracking force 1.5 g. 1.6 g \$70

DENNESEN

ABL-1 Tonearm

Air-bearing lateral-tracking design. Removable arm-tube; adjustable overall and effective lengths. Includes air pump. Stylus overhang 0 mm. 1.5 lb with pump \$2,200

DENON

DL-160 Moving-Coil Phono Cartridge

Output 1.6 mV at 50 mm/sec; FR 20-50,000 Hz; ch sep 28 dB at 1,000 Hz; tracking force 1.3-1.9 g. 4.8 g \$125

DL-110 Moving-Coil Phono Cartridge

Output 1.6 mV at 50 mm/sec; FR 20-45,000 Hz; ch sep 25 dB at 1,000 Hz; tracking force 1.5-2.1 g. 4.8 g \$95

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. Features solid-boron cantilever. Output 2 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. Features 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. Features tapered solid-ruby cantilever. Output 0.15 mV at 5 cm/s; FR 20-80,000 Hz; tracking force 1.7-1.9 g. 5.3 g \$470

Model 10X4 Phono Cartridge

Nude diamond elliptical stylus. Features 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. Features aluminum-pipe cantilever. Output 2 mV at 5 cm/s; FR 20-20,000 Hz \pm 2 dB; tracking force 1.5-1.7 g. 4.5 g \$210

EMINENT TECHNOLOGY

Model 2 Tonearm

Straight air-bearing design. Vertical tracking angle adjustable over arc while playing record. Overall length 290 mm; effective length 180 mm; tracking force 0-5 g; effective mass 5-20 g vertical, 20-30 g horizontal. 400 g \$1,250

GOLDRING

Excel Moving-Coil Phono Cartridge

Van den Hul 1 stylus. Features neodymium magnet;

C A R T R I D G E S & T O N E A R M S

rosewood front piece; aluminum sideplates. FR 20-30,000 Hz ± 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 ± 2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.7 g \$575

Eroica Moving-Coil Phono Cartridge

FR 20-30,000 Hz ± 2 dB; ch sep 25 dB at 1,000 Hz; tracking force 1.7 g \$350
Higher-output version of above. FR 20-22,000 Hz ± 3 dB \$300

Electra Phono Cartridge

FR 20-20,000 Hz ± 3 dB; ch sep 20 dB at 1,000 Hz; tracking force 1.75 g \$99

Elan Phono Cartridge

FR 20-20,000 Hz ± 3 dB; ch sep 20 dB at 1,000 Hz; tracking force 2 g \$60

1000 Series

The following are MM phono cartridges with interchangeable styli.

Model 1042. Gyger S stylus. FR 20-20,000 Hz ± 2 dB; tracking force 1.75 g \$275
Model 1022. Above with Gyger II stylus \$200
Model 1012. Model 1042 with Gyger I or 78-rpm stylus \$150
Model 1000. Model 1042 with elliptical stylus \$150

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 for above \$325

JOSEPH GRADO SIGNATURE

XTZ MkV Phono Cartridge

0.15 x 0.9-mil stylus. Features flux bridge. Output 3.5 mV and ch sep 35 dB at 1,000 Hz. 5 g \$750
Replacement stylus \$375
TLZ MkV. As above. 0.15 x 0.9 mil \$500
Replacement stylus \$250
MCZ MkV. As TLZ MkV. 0.15 x 0.9 mil \$300
Replacement stylus \$150
Model 8Mz MkV. As MCZ MkV. 0.2 x 0.2 mil \$200
Replacement stylus \$100

LINN

Ekos Tonearm. Straight. Aluminum-alloy headshell \$2,495

Arkiv Moving-Coil Phono Cartridge

Three-point mounting system. Output 0.225 mV; tracking force 1.55-1.75 g. 7.4 g \$2,195

Klyde Moving-Coil Phono Cartridge

Gold-plated pole pieces. Output 0.225 mV; tracking force 1.55-1.75 g. 8 g \$1,095

K18-II Phono Cartridge

Features rubber dampers; bolt-on stylus assembly. Output 4.5 mV; tracking force 1.5-2.0 g. 7.9 g \$595

Akito Tonearm.

Straight \$395

K9 Phono Cartridge

Metal-bodied magnet design. Output 4.5 mV; tracking force 1.5-2 g. 7.1 g \$295

K5 Phono Cartridge

Conical stylus. Output 4.5 mV; tracking force 1.5-2.5 g. 5.8 g \$150

NAIM

ARO Tonearm

Pivoting design. Features balanced weight assem-

bly. Adjustable arm height. Effective length 230 mm; cartridge weight 5.5-12 g; overhang 18 mm \$1,695
ARO Arm Top \$895
ARO-MATIC Arm Lift \$215

ORACLE

SME 345 Tonearm

Pivoting design. Features static tracking-force adjustment; spring anti-skating method. Detachable headshell; adjustable vertical tracking angle. Effective length 233 mm; cartridge weight 5-10 g; effective mass 9.5 g. Black \$1,995
Silver finish \$1,795

Beta Plus Tonearm

Pivot design. Features bias-weight anti-skating adjustment. Cartridge weight 4-20 g \$450

ORTOFON

X5MC Moving-Coil Phono Cartridge

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 Moving-Coil 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 1.8-2.2 g. 4.1 g \$175

X1-MC Moving-Coil Phono Cartridge

Elliptical diamond stylus. Features 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. 4.1 g \$125

Ortphase Series

MC5000 Moving-Coil Phono Cartridge

Ortoton Replicant 100 stylus. Features sapphire cantilever; aluminum-oxide cartridge body; 30- μ m OFC windings. Output 0.1 mV at 1,000 Hz, 5 cm/sec; FR 5-20-20,000 Hz +2.5, -0 dB; ch sep 25 dB; tracking force 2.5 g. 9.5 g \$2,000

MC3000II Moving-Coil Phono Cartridge

Ortoton Replicant 100 stylus. Features conical aluminum cantilever; carbon-fiber armature; silver coil windings; neodymium magnet. Output 0.1 mV at 1,000 Hz, 5 cm/sec; FR 5-90,000 Hz +4, -1 dB; ch sep 25 dB at 1,000 Hz. 9.5 g \$1,600

MC10 Super Moving-Coil Phono Cartridge

Elliptical nude stylus. Output 0.25 mV at 1,000 Hz, 5 cm/sec; FR 20-20,000 Hz ± 1 dB; tracking force 1.5 g. 7 g \$120

Q Series

Quasar Moving-Coil Phono Cartridge

Replicant stylus. Output 0.2 mV; FR 20-20,000 Hz +4, -1 dB; ch sep 25 dB; tracking force 1.6-2 g. 10 g \$650

Quattro Moving-Coil Phono Cartridge

FG 2 stylus. Output 0.2 mV; FR 20-20,000 Hz +4, -1 dB; ch sep 25 dB; tracking force 1.6-2 g. 10 g \$450

Quartz Moving-Coil Phono Cartridge

Elliptical nude stylus. Output 0.5 mV; FR 20-20,000 Hz +4, -1 dB; ch sep 25 dB; tracking force 1.8-2.2 g. 10 g \$350

Optimum-Mass Series

OM-30 Super Phono Cartridge

Nude fine-line diamond stylus. Features variable magnetic shunt; plastic body. Output 3.5 mV at 1,000 Hz, 5 cm/sec; FR 20-27,000 Hz; ch sep 25 dB at 1,000 Hz; tracking force 1.25 g \$225

OM-20 Super. As above, designed for medium-weight tonearms. Output 4 mV at 1,000 Hz, 5 cm/sec \$150

OMP-20. P-mount version of OM-20 Super Phono

Cartridge \$150

OM-10 Super. As OM-20, for heavier tonearms. Output 4 mV at 1,000 Hz, 5 cm/sec; ch sep 22 dB at 1,000 Hz; tracking force 1.5 g \$75

OMP-10. P-mount version of OM-10 Super. 6 g \$75

OM-5E. As OM-10, for heavier tonearms. FR 20-20,000 Hz; tracking force 1.5 g \$50

OMP-5E. P-mount version of OM-5E \$50

Universal Series

TM20U Phono Cartridge

Square-shank nude elliptical diamond stylus. Features variable magnetic shunt. Universal mount. Output 4 mV at 1,000 Hz, 5 cm/sec; FR 20-25,000 Hz; ch sep 25 dB. 6 g \$129

TM14U Phono Cartridge

Elliptical diamond stylus. Universal mount. Output 4.5 mV; FR 20-20,000 Hz; ch sep 25 dB at 1,000 Hz; tracking force 1.25 g \$89

TM7U Phono Cartridge

Elliptical diamond stylus. Universal mount. Output 5 mV at 1,000 Hz, 5 cm/sec; frequency response 20-20,000 Hz; channel separation 22 dB at 1,000 Hz; tracking force 1.25 grams \$60

PICKERING

XSV5000 Phono Cartridge

Nude stereohedron diamond stylus. Includes dust brush. Output 3.8 mV; FR 10-50,000 Hz; tracking force 0.5-1.5 g \$330

XV-15/625E Phono Cartridge

0.3 x 0.7-mil elliptical stylus. Includes dust brush. Output 4.4 mV at 5.5 cm/sec; FR 10-25,000 Hz; ch sep 35 dB; tracking force 0.75-1.5 g \$147

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 \$109

XV-15/150DJ Phono Cartridge

0.7-mil spherical stylus tip. For professional use. FR 10-20,000 Hz; tracking force 2-4 g \$105

P-Mount Cartridges

TL-35. Stereohedron II tip \$185
TLE. Elliptical stylus. Output 4.4 mV; FR 10-20,000 Hz; tracking force 0.75-1.5 g \$73

PIONEER

PC-295T Phono Cartridge

Induced-magnet design. P-mount. Output 2.5 mV; FR 10-33,000 Hz; tracking force 1.25 g \$80
PN-295T. Replacement stylus \$35

PC-300T Phono Cartridge

Induced-magnet design. P-mount. Output 2.5 mV; FR 10-33,000 Hz; tracking force 1.25 g \$80
PN-300T. Replacement stylus \$30

PC-290T Phono Cartridge

Induced-magnet design. P-mount. Output 2.5 mV; FR 10-33,000 Hz; tracking force 1.25 g \$70
PN-290T. Replacement stylus \$30

PC-5MC Moving-Coil Phono Cartridge

Output voltage 2 mV; FR 10-32,000 Hz; tracking force 1.7-2.3 g \$54
PN-5MC. Replacement stylus \$32

PC-250T Phono Cartridge

P-mount. Output 2.5 mV; FR 10-30,000 Hz; tracking force 1-1.5 g \$50
PN-250T. Replacement stylus \$20

REALISTIC BY RADIO SHACK

V15 Realistic/Shure Phono Cartridge

Features viscous damping for warp tracking. FR 5-30,000 Hz; tracking force 1.25-1.75 g \$80

C A R T R I D G E S & T O N E A R M S

RXP3 Realistic/Shure Phono Cartridge

Elliptical diamond stylus. P-mount. Tracking force 1.25 g \$30

RS500DJ Realistic/Stanton Phono 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. Ch sep 20 dB; tracking force 1.75-2.25 g \$27

R25XT Realistic/Shure Phono Cartridge

10 x 18-micron elliptical diamond stylus. Tracking force 2.5-3.5 g \$20

REVOLVER

Revolver Tonearm

Statically balanced pivoting straight tonearm. Features zero-free-play precision ball bearings; decoupled counterweight. Overall length 285 mm; effective length 228 mm; tracking force 2-10 grams; offset angle 23.5°; stylus overhang 18 mm. 393 g ... \$220
Revolver Super. As above, with larger zero-free-play bearings \$500

SHURE

V15VMR Phono Cartridge

Features 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 \$175

M110HE Phono Cartridge

Features telescoped stylus shank; hyper-elliptical tip; stylus protection system. Standard/P-mount ... \$70

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; ch sep 20 dB at 1,000 Hz; tracking force 0.75-2 g \$55

M44G Phono Cartridge

15-micron spherical stylus. Flip-down stylus guard. Output 6.2 mV; FR 20-20,000 Hz; ch sep 20 dB at 1,000 Hz; tracking force 0.75-1.25 g \$50

SC35C Phono Cartridge

Spherical stylus. Output 5 mV; FR 20-20,000 Hz; ch sep 20 dB at 1,000 Hz; tracking force 4-5 g \$45

M104E Phono Cartridge

0.2 x 0.7 mil elliptical stylus. Features tubular heat-treated aluminum shank. P-mount. Output 5 mV at 1,000 Hz, 5 cm/s; FR 20-20,000 Hz; ch sep 25 dB; tracking force 1.25 g \$40

SIGNET

AT-ART1 Moving-Coil Phono Cartridge

0.1-mm nude square-shank diamond stylus. Features tapered boron cantilever; dual-coil design; 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 Moving-Coil 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

AM50s Phono Cartridge

Square-shank stylus. Features gold-plated beryllium cantilever; bench-crafted standard-mount twin-flux design with PC-OCC wiring. Output 5 mV at 5 cm/s; FR 5-37,000 Hz; tracking force 0.8-1.8 g. 6 g \$350
AM40s. As above, 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 AM40s, 0.3 x 0.7-mil nude elliptical stylus. Features thin-wall alloy tapered cantilever. FR 5-30,000 Hz \$225

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

STANTON

Model 680 EE Phono Cartridge

0.4 x 0.7-mil elliptical diamond stylus. Output 0.8 mV; FR 20-20,000 Hz; ch sep 35 dB at 1,000 Hz; tracking force 0.75-1.5 g. 5.5 g \$112

Model 500E Phono Cartridge

0.4 x 0.7-mil elliptical diamond stylus. Output 1 mV; FR 10-20,000 Hz; ch sep 35 dB at 1,000 Hz; tracking force 1-2 g. 5.5 g \$79

Calibration Series

Collector's Series 100 Phono Cartridge

0.3 x 2.8-mil stereohedron diamond stylus. Output 0.6 mV; FR 20-20,000 Hz \pm 1 dB; ch sep 35 dB at 1,000 Hz; tracking force 0.75-1.5 g. 5.5 g \$396

Model 881S MkII Phono Cartridge

Nude stereohedron stylus. Includes brush. Stylus available for 78s and mono LPs. Output 0.9 mV; FR 10-25,000 Hz; ch sep 35 dB at 1,000 Hz; tracking force 0.75-1.25 g. 5.7 g \$237

Model 681EEE MkII-S Phono Cartridge

Stereohedron stylus. Features cantilever assembly. Output 0.7 mV; FR 10-22,000 Hz; ch sep 35 dB at 1,000 Hz; tracking force 0.75-1.25 g. 6.3 g ... \$171

Stereo Standard P-Mount Series

L747S Phono Cartridge

Stereohedron stylus. Features plug-in design. Output 1.2 mV; FR 10-25,000 Hz; ch sep 35 dB; tracking force 0.75-1.5 g. 5.7 g \$191

L727E Phono Cartridge

0.4 x 0.7-mil elliptical stylus. Features plug-in design. Output 0.8 mV; FR 10-25,000 Hz; ch sep 32 dB; tracking force 0.75-1.5 g \$125

L725E Phono Cartridge

Elliptical stylus. Output 0.8 mV; FR 10-22,000 Hz; ch sep 28 dB; tracking force 0.75-1.5 g. 5.7 g \$90
L720EE. As above, 0.3 x 0.7-mil elliptical stylus. FR 10-20,000 Hz \$79

Disco Series

L680EL Phono Cartridge

Fluorescent-coated stylus. P-mount. Output 1.1 mV; FR 20-18,000 Hz; ch sep 30 dB at 1,000 Hz; tracking force 3.5-4 g. 8.4 g \$152

Model 680EL Phono Cartridge

0.4 x 0.7-mil elliptical-diamond stylus. Includes extra stylus. Output 0.82 mV; FR 20-18,000 Hz; ch sep 30 dB at 1,000 Hz; tracking force 2-5 g. 5.5 g \$152
Model 680EL-MP. Matched pair of above \$211
Model 680AL. As Model 680EL, 0.7-mil spherical stylus. Output 1.1 mV \$132

L500AL Phono Cartridge

Designed for professional use. Features auto compensation for high tracking forces. P-mount ... \$81
Model 500EL. As above, FR 20-18,000 Hz, ch sep 30 dB at 1,000 Hz, tracking force 2-5 g. 5 g \$90

SUMIKO

Tonearms feature cueing, antiskating, and vertical-tracking-angle adjustments.

SME Series V Tonearm

Pivoting straight design. Features one-piece magnesium casting from headshell to rear of counterweight rails; captive ball-race bearings; silver wiring. Overall length 290 mm; pivot-to-stylus length 228 mm; rec-

ommended cartridge weight 4-18 grams; tracking force 0-3 grams \$2,550

Series IV. As Series V, static balanced vertical tracking and manually adjusted arm height \$1,850

SME IV.Vi Tonearm

Pivoting design. Features azimuth adjustment; Magnan Internal wiring. Fixed cartridge mount. Overall length 290 mm; pivot-to-stylus length 228 mm; recommended cartridge weight 4-18 g; tracking force 0-3 g \$1,995

SME 309 Tonearm

Pivoting design. Fixed cartridge mount. Overall length 290 mm; pivot-to-stylus length 228 mm; tracking force 0-3 g \$1,195

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

Kiseki Series

Lapis Lazuli Moving-Coil Phono Cartridge

Lapis lazuli hyper-elliptical stylus. Features diamond cantilever. Output 0.4 mV. 11 g \$6,000

Blackheart Moving-Coil Phono Cartridge

Hyper-elliptical stylus. Features boron cantilever. Output 0.4 mV; FR 20-50,000 Hz; 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 \$1,750

Purple Heart Sapphire. As above, sapphire cantilever, sendust armature. 7.5 g \$1,500

Blue Gold. As above, aluminum body, boron-overlay cantilever. 11 g \$900

Oyster Series

Blue Point Special Moving-Coil Cartridge

Elliptical stylus. Open-generator body design. Standard mount. Output 2.3 mV; FR 10-35,000 Hz; ch sep 35 dB; tracking force 1.7-2.1 g. 9 g \$295

Blue Point Moving-Coil Phono Cartridge

Elliptical stylus. Standard or P-mount. Output 2.3 mV; FR 15-30,000 Hz; ch sep 32 dB; tracking force 1.5-1.9 g. 6 g \$150

Pearl Phono Cartridge

Elliptical stylus. Output 5 mV; FR 15-25,000 Hz; ch sep 30 dB; tracking force 1.5-1.6 g. 6 g \$90

Black Pearl Phono Cartridge

Elliptical stylus. Output 5 mV; FR 18-22,000 Hz; ch sep 28 dB; tracking force 1.5-1.6 g. 6 g \$60

Oyster Phono Cartridge

Spherical stylus. Output 4 mV; FR 20-20,000 Hz; ch sep 25 dB; tracking force 2-2.5 g. 5 g \$40

VPI

Stogi Reference Tonearm

Pivoting design. Features 9 bearings; tapered tube; azimuth adjustment. Fixed cartridge mount; cueing; antiskating adjuster; adjustable vertical tracking angle. Overall length 281 mm; mounting-hole diameter 31 mm \$1,500

WHEATON MUSIC

Tri-Planar III Ultimate Tonearm

Features Cardas wiring; clamping yoke allowing azimuth rotation of headshell; hardened polished needle cones; lead-inserted headshell-damping treatment. Pivot-to-stylus length 250 mm; offset angle 22°; stylus overhang 16.5. Balanced 1-m RCA version \$2,485
 1-m XLR or RCA \$2,400
 XLR output-box version \$2,240
 RCA output-box version \$2,200

R E C E I V E R S

AMC

RA 65-W/ch Receiver

2 channels. 65 W x 2 into 8 ohms. 4 inputs including phono. Features microprocessor-based design. Remote volume and source selection. Amp: 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 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. 50 W x 2 rms into 8 ohms with 0.09% THD. Features frequency-synthesis tuning. Multiroom capability; 20 AM/FM presets; clock/timer with battery backup; Beolink 7000 remote control. Radio Data System decoder for 10-character station labeling optional. Amp: S/N 78 dBA phono, 80 dBA line. FM: 50-dB quieting sens 40 dB; AM rej 57 dB; cap ratio 1.7 dB; adj-ch sel 10 dB; alt-ch sel 70 dB; S/N 70 dB and THD 0.2% stereo. 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. 20 W x 2 rms into 8 ohms with 0.1% THD. Features digital tuning. Multiroom capability; 20 AM/FM presets; programmable volume and tone levels; Beolink 1000 remote control. Wall-mount brackets optional. Amp: S/N 77 dB. FM: 50-dB quieting sens 19 dB mono, 40 dB stereo; cap ratio 1.7 dB; S/N 70 dB stereo. Polished aluminum finish with white trim. 24 3/8" x 2 3/4" x 9 1/2" in \$1,200

CARRERA

CR-2530 30-W/ch Receiver

2 channels. 30 W x 2. Headphone jack with volume control. Amp: FR 20-20,000 Hz; THD 0.25%. FM: cap ratio 1.7 dB; alt-ch sel 58 dB. 13 lb \$200

CARVER

HR-895 365-W A/V Receiver

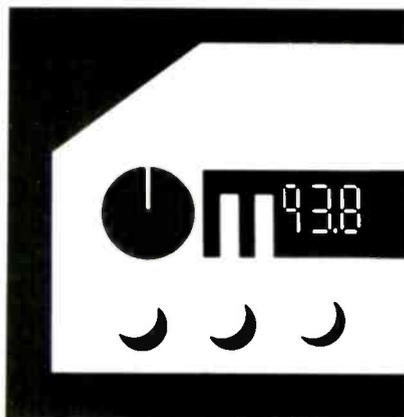
5 channels, Dolby Pro Logic. 110 W x 2 rms (front) + 75 x 1 rms (center) + 35 x 2 rms (rear), all into 8 ohms from 20-20,000 Hz with 0.1% THD. 7 audio inputs; 4 composite-video inputs; 3 S-video inputs; front-panel composite/S-video A/V input; headphone jack; 4 AC outlets. Features multipath-suppression and ambience-enhancement circuitries. Multiroom capability; 4 surround modes; 30 AM/FM presets; FM-mono switch; auto/manual tuning; signal-strength indicator; timer; programmable remote control. Includes Infrared receiver and second remote control. Amp: S/N 80 dBA MM. FM: AM rej 65 dB; cap ratio 2 dB; alt-ch sel 70 dB; S/N 78 dB stereo; THD 0.2% at 1,000 Hz \$1,250

HR-875 295-W A/V Receiver

5 channels, Dolby Pro Logic. 75 W x 3 (left, right, center) plus 35 x 2 (rear). 6 audio inputs; 3 composite-video inputs; CATV input; 2 main-speaker output pairs; center and rear speaker outputs; multiroom-speaker outputs; 2 video-monitor outputs; pre-out/main-in loops for each channel; line-level subwoofer output; multiroom output for IR-R7 infrared remote receiver. Features 12-dB/oct subwoofer crossover at 70 Hz; motor-driven volume control. 3 surround modes; adjustable time delay (5-40 ms); adjustable Dolby surround delay (15-30 ms); surround-level controls; 30 AM/FM presets with 5-character station labeling; timer; remote control with keys for RC-5 or D-BUS compatible A/V components \$950

HR-742 80-W/ch Receiver

2 channels. 80 W x 2 into 8 ohms or 130 x 2 into 4 ohms from 20-20,000 Hz with 0.09% THD. 6 audio



inputs; 3 video inputs; 2 video outputs; switchable cable/antenna inputs; pre-out/main-in loops; headphone jack; 2 AC outlets. Features multipath-suppression and ambience-enhancement circuitries; motor-driven volume control. 30 AM/FM presets with scan; auto/manual tuning; A/B speaker switching; bass, treble, and balance controls; signal-strength indicator; timer; remote control. S/N 80 dBA MM. FM: AM rej 62 dB; cap ratio 2.2 dB; alt-ch sel 65 dB; S/N 78 dB stereo; THD 0.2% at 1,000 Hz. 19 x 5 1/4 x 15 1/2 in \$630

HR-732 60-W/ch Receiver

2 channels. 60 W x 2 into 8 ohms or 100 x 2 into 4 ohms from 20-20,000 Hz with 0.09% THD. 6 audio inputs; 3 video inputs; 2 video outputs; headphone jack; 2 AC outlets. Features multipath-suppression and ambience-enhancement circuitries; motor-driven volume control. 30 AM/FM presets with scan; auto/manual tuning; signal-strength indicator; A/B speaker switching; bass, treble, and balance controls; remote control. S/N 80 dBA MM. FM: AM rej 62 dB; cap ratio 2.2 dB; alt-ch sel 65 dB; S/N 78 dB stereo; THD 0.2% at 1,000 Hz. 19 x 5 1/4 x 15 1/2 in \$500

DENON

AVR-3000 400-W A/V Receiver

5 channels, Dolby Pro Logic, DSP. 110 W x 3 (front, center) + 35 x 2 (rear), all into 8 ohms. 9 audio inputs; 5 video inputs; 4 S-video inputs; 10 audio outputs; 3 video outputs; 3 S-video outputs; 2 center-channel outputs. Features 5 discrete amps; optical Class A circuitry for front and center channels; 3-pole-equivalent tuner front end; videodisc- and CD-direct modes. 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; adjustable delay and room-size parameters; 16 AM/FM presets; auto-seek and manual-step tuning; nonvolatile memory for control settings; audio and video record-out selectors; alphanumeric FL display; basic-function and programmable remote controls \$1,400
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 \$900

DRA-1035R 130-W/ch Receiver

2 channels. 130 W x 2 into 8 ohms from 20-20,000 Hz with 0.015% THD. 7 audio and 3 video inputs; MM MC phono input; pre-out/main-in loops. Features optical Class A amplifier circuitry; source-direct switch. 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; record-out selector; remote speaker switching; FL display; programmable remote control. Amp: 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 and THD 0.06% stereo \$1,000
DRA-835R. As DRA-1035R, 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.015% THD. Without simulated-stereo circuit or MC-phono input. Amp: S/N 86 dB MM, 103 dB line \$800
DRA-635R. As DRA-835R, 80 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. Without remote speaker switching or switchable IF bandwidth. Remote control not programmable. Amp: S/N 86 dB MM, 95 dB line. FM: 50-dB quieting sens 38.5 dB and THD 0.08% stereo \$550

AVR-1000 250-W A/V Receiver

5 channels, Dolby Pro Logic, DSP. 70 W x 3 (left, right, center) + 20 x 2 (rear), all into 8 ohms. 3 video inputs; 2 video outputs; 6 audio inputs; 6 audio outputs. Features 3-pole-equivalent tuner front end. 4 Dolby modes; wide screen, mono movie, classic, rock, and stadium modes; adjustable time delay; auto input balance for Dolby Pro Logic; 16 AM/FM presets; auto-seek and manual-step tuning; record-out selector; dubbing capability; nonvolatile control-setting memory; FL display; Denon IS-system remote control \$700

AVR-800 210-W A/V Receiver

5 channels, 4 Dolby Pro Logic modes. 60 W x 3 (left, right, center) + 15 x 2 (rear), all into 8 ohms. 2 video inputs; 2 video outputs; 5 audio inputs; 2 audio outputs. Features 3-pole-equivalent tuner front end. Hall and studio modes; adjustable time delay; auto input balance for Dolby Pro Logic; 16 AM/FM presets; auto-seek and manual-step tuning; nonvolatile control-setting memory; FL display; Denon IS-system remote control \$500

DRA-545R 60-W/ch Receiver

2 channels. 60 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. 2 video inputs; 2 video outputs; line-level outputs. Features discrete amplifiers; 3-pole-equivalent tuner front end; electronic source switching; bass-EQ circuit; motor-driven volume control. 16 AM/FM presets; auto-seek and manual-step tuning; last-station memory; variable loudness control; last-function memory; Denon IS-system remote control. Amp: 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 and THD 0.15% stereo \$370
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. 70 W x 2 cont avg into 8 ohms at 1,000 Hz or 130 x 2 into 4 ohms. 6 inputs including phono; gold-plated phono and CD inputs. Features Class A amplification; digital quartz-synthesis tuning; brushed metal housing; motor-driven volume control. 16 AM/FM presets; FM-stereo muting; auto/manual station scan; bass, treble, balance, and loudness controls; remote \$620

CR-9065RC 60-W/ch Receiver

2 channels. 60 W x 2 cont into 8 ohms or 75 x 2 into 4 ohms. 6 inputs including phono; gold-plated phono and CD inputs. Features Class A amplification; digital quartz-synthesis tuning; motor-driven volume control. 40 AM/FM presets; auto/manual station scan; auto preset store; 4-character station labeling; A/B speaker switching; LCD; remote control \$480

FISHER

The following feature a quartz-PLL digital-synthesis tuner with 40 AM/FM presets, loudness, A/B speaker switching, a FL display, a remote control, and a 2-yr parts-and-labor warranty. All FM tuners feature the following specs: 50-dB quieting sens 16.1 dB mono, 40 dB stereo; AM rej 55 dB; cap ratio 1.5 dB; alt-ch sel 50 dB; S/N 73 dB mono, 66 dB stereo; THD (at 1,000 Hz) 0.3% mono, 0.4% stereo.

R E C E I V E R S

RX-737 280-W A/V Receiver

5 channels, Dolby Pro Logic. 80 W x 3 (left, right, center) + 20 x 2 (rear), all rms into 8 ohms at 1,000 Hz with 0.9% THD, or 120 x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD. 5 audio inputs including MM phono; front- and rear-panel A/V inputs; 1 unswitched and 2 switched AC outlets. Selectable 15-, 20-, 25-, or 30-ms digital delay; 7-band EQ; A/V switching. Amp: S/N 70 dBA phono, 90 dBA line. 16 1/2 x 6 1/2 x 14 7/8 in; 27.2 lb \$500

RX-727 240-W A/V Receiver

5 channels, Dolby Pro Logic. 100 W x 2 (left, right) rms into 8 ohms from 20-20,000 Hz with 0.08% THD + 20 x 1 (center) rms into 8 ohms at 1,000 Hz with 0.9% THD + 10 x 2 (rear) rms into 8 ohms at 1,000 Hz with 0.9% THD. 5 audio inputs including MM phono; 2 video inputs; 2 switched AC outlets. Selectable 15-, 20-, 25-, or 30-ms digital delay; A/V switching; bass, midrange, and treble controls \$400

RX-717 80-W/ch Receiver

2 channels. 80 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.9% THD. 5 audio inputs including MM phono. Bass and treble controls. Amp: S/N 70 dBA phono, 90 dBA line. 16 1/2 x 6 1/2 x 13 1/2 in \$300

HARMAN KARDON

The following feature discrete amp circuitry and a quartz-locking digital-synthesis AM/FM tuner.

AVR30 190-W A/V Receiver

5 channels, Dolby Pro Logic, DSP. 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. 4 video inputs; 2 VCR monitors; 4 audio inputs; 2 tape monitors. 4 room-size settings; 5 effects levels; 12-way dubbing matrix; simulcast capability; memory presets for surround and DSP settings; 16 AM/FM presets; on-screen displays; remote control \$1,099

HK3600 75-W/ch Receiver

2 channels. 75 W x 2 into 8 ohms from 20-20,000 Hz with 0.09% THD. 7 inputs/outputs including subwoofer; dual tape- and video-monitor loops. Features motor-driven volume control. Interactive video switching; 7-way tape-copy selector; 16 AM/FM presets; seek tuning, subwoofer-level control; loudness, mono, and subsonic-filter switches; remote control. S/N 78 dBA phono, 98 dBA line. FM: 50-dB quieting sens 37.2 dB stereo; cap ratio 1.5 dB; adj-ch sel 5 dB; alt-ch sel 70 dB. 17 3/8 x 4 7/8 x 13 1/2 in \$849

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. FM: cap ratio 1.5 dB; adj-ch sel 10 dB; alt-ch sel 75 dB. 16.4 lb \$599

HK3400. As HK3500, 6 inputs. 35 W x 2 into 8 ohms from 20-20,000 Hz with 0.09% THD. 14.9 lb \$479

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 \$349

AVR15 110-W A/V Receiver

5 channels, Dolby Pro Logic. 30 W x 3 (left, right, center) + 10 x 2 (rear), 35 x 2 into 8 ohms, or 45 x 2 into 4 ohms. 1 video input; 3 audio inputs; 2 VCR monitors. Dolby Time Link digital-delay system; 30 tuner presets; audio-direct mode; video switching; system remote control \$699

HK3350 30-W/ch Receiver

2 channels. 30 W x 2 into 8 ohms or 40 x 2 into 4 ohms. 6 inputs; 2 tape monitors; CD and video inputs; output for 2 speaker pairs; system remote-control jack. 30 tuner presets; loudness; remote control. FR 0.5-150,000 Hz \$399

JVC

RX-309TN 100-W/ch Receiver

2 channels. 100 W x 2 rms into 8 ohms with 0.08% THD. Outputs for 2 speaker pairs; headphone jack.

Features motor-driven volume control with LED. 40 AM/FM presets; FL display; A/V remote control; Compu Link system compatibility. Amp: ch sep 40 dB. FM: 50-dB quieting sens 38.3 dB stereo; cap ratio 1.5 dB; S/N 80 dB mono, 73 dB stereo. 17 1/4 x 5 x 13 in; 18.4 lb \$280

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, Dolby Pro Logic, DSP. 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. 3 video inputs; 2 S-video terminals; video-monitor output; outputs for 2 speaker pairs; subwoofer output; headphone jack. Features Super A amp circuitry for Class A sonic characteristics and Class B efficiency characteristics. Hall, pavilion, stadium, and live-club digital ambience modes; 7-band graphic EQ with 5 programmable and 5 factory presets; 40 AM/FM presets with 5-letter labeling; dot-matrix peak display; adjustable digital delay; on-screen displays; programmable remote control. Amp: FR 20-20,000 Hz ± 0.5 dB phono, 5-50,000 Hz +0, -1 dB line. FM: 50-dB quieting sens 38.3 dB stereo; cap ratio 1.5 dB; S/N 73 dB stereo. 17 1/4 x 6 1/4 x 15 1/2 in; 27.6 lb \$1,000

RX-809VTN 345-W A/V Receiver

5 channels, Dolby Pro Logic. 120 W x 2 (front) + 65 x 1 (center) + 20 x 2 (rear) with 0.007% THD, all rms into 8 ohms. 2 video inputs; connectors for 2 speaker pairs; headphone jack. 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. 40 AM/FM presets with 5-letter labeling for 20 stations; adjustable digital delay; dot-matrix peak display; programmable remote control. FR 20-20,000 Hz ± 0.5 dB phono, 5-50,000 Hz +0, -1 dB line. FM: 50-dB quieting sens 38.3 dB stereo; cap ratio 1.5 dB; S/N 73 dB stereo. 17 1/4 x 6 1/4 x 15 in; 25 lb \$650

RX-709VTN 290-W A/V Receiver

5 channels, Dolby Pro Logic. 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. 2 video inputs; outputs for 2 speaker pairs; headphone jack. 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. 40 AM/FM presets with 4-letter labeling for 20 stations; adjustable digital delay; dot-matrix peak display; A/V remote control. Amp: FR 20-20,000 Hz ± 0.5 dB phono, 5-50,000 Hz +0, -1 dB line. FM: 50-dB quieting sens 38.3 dB stereo; cap ratio 1.5 dB; S/N 73 dB stereo. 17 1/4 x 6 1/4 x 15 in; 23 lb \$520

RX-509VTN 220-W A/V Receiver

5 channels, Dolby Pro Logic. 80 W x 2 (front) into 8 ohms with 0.06% THD + 20 x 3 (center, rear) into 8 ohms with 0.7% THD. Line-level center-channel output; 2 video inputs; outputs for 2 speaker pairs; headphone jack. 7-band graphic EQ with 5 programmable and 5 factory presets; 40 AM/FM presets with 4-letter labeling for 20 stations; adjustable digital delay; FL display; A/V remote control. Amp: FR 20-20,000 Hz ± 0.5 dB phono, 10-30,000 Hz ± 1 dB line. FM: 50-dB quieting sens 38.3 dB stereo; cap ratio 1.5 dB; S/N 73 dB stereo. 17 1/4 x 5 x 13 in; 17.7 lb \$400

MARANTZ

SR-92 365-W A/V Receiver

5 channels, Dolby Pro Logic. 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. 4 video inputs including front-panel S-video, composite-video and audio inputs; 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. Features wideband AM reception; motor-driven volume control. Multiroom capability; hall, matrix, and simulated-stereo surround modes; adjustable digital delay; Dolby test-tone generator; 30 AM/FM presets with wide/narrow IF memory and 2-week battery-free backup; direct station access; switchable wide/narrow IF; auto/manual scan; switchable bass boost; timer; A/B speaker switching; alphanumeric FL display; programmable remote control. Amp: S/N 75 dB MM. 82 dB line. FM: cap ratio 1 dB; alt-ch sel 60 dB wide, 70 dB narrow; S/N 68 dB and THD 0.5% stereo at 1,000 Hz. 17 7/8 x 5 3/4 x 15 in; 34 lb \$1,099

SR-82 285-W A/V Receiver

5 channels, Dolby Pro Logic. 75 W x 3 (front, center) + 30 x 2 (rear) into 8 ohms. 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; RC-5 system remote-control interface. Features motor-driven volume control; 12-dB/oct subwoofer crossover at 70 Hz. Multiroom capability; hall, matrix, and simulated-stereo surround modes; 30 AM/FM presets, each with memory for alphanumeric label, IF-bandwidth setting, and antenna input; auto preset store; switchable FM high-blend and narrow/wide IF; test-tone generator; video dubbing capability; switchable bass boost; clock; on/off and sleep timers; FL display; programmable remote control. 17 7/8 x 5 3/4 x 15 in \$849

SR-73 295-W A/V Receiver

5 channels, Dolby Pro Logic. 75 W x 3 (left, right, center) + 35 x 2 (rear), all rms into 8 ohms, or 75 x 2 rms into 8 ohms from 20-20,000 Hz with 0.9% THD. 4 audio inputs; 3 video inputs including 2 VCR loops;



Marantz SR-73

R E C E I V E R S

line-level outputs for each channel. Features 2-ohm load capability; motor-driven volume control. Adjustable digital delay and auto input balance for Dolby Pro Logic; bass EQ optimized for movie soundtracks; 5 signal-processing presets; Dolby test-tone generator; video dubbing capability; center- and rear-channel level controls; 30 AM/FM presets; bass and treble controls; programmable A/V remote control. Amp: S/N 94 dB phono, 104 dB line. FM: 50-dB quieting sens 11.2 dBi mono, 35.2 dBi stereo; cap ratio 1 dB; alt-ch sel 65 dB; S/N 78 dB mono, 75 dB stereo; THD (at 1,000 Hz) 0.2% mono, 0.5% stereo. 3-yr limited warranty. 16½ x 5¼ x 13½ in; 21 lb \$649

SR-63 70-W/ch Receiver

2 channels. 70 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.5% THD, 100 x 2 rms into 4 ohms from 20-20,000 Hz with 0.9% THD, or 170 x 2 max into 2 ohms. Phono input; switched AC outlets; RC-5 system remote-control interface. Features discrete power-output transistors; motor-driven volume control. Bass EQ; A/V switching; 30 AM/FM presets with auto/manual store and battery-free backup; bass and treble controls; remote control. Amp: S/N 80 dB phono, 90 dB line. FM: 50-dB quieting sens 11.2 dBi mono, 35.2 dBi stereo; cap ratio 1 dB; alt-ch sel 65 dB; S/N 78 dB mono, 75 dB stereo; THD (at 1,000 Hz) 0.2% mono, 0.5% stereo. 3-yr limited warranty. 16½ x 5¼ x 14¾ in; 18 lb \$429

SR-53 45-W/ch Receiver

2 channels. 45 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.5% THD, 60 x 2 into 4 ohms from 20-20,000 Hz with 0.9% THD, or 100 x 2 max into 2 ohms. Phono input; switched AC outlets; RC-5 remote-control interface. Features discrete power-output transistors; motor-driven volume control. Bass EQ; 30 AM/FM presets with auto/manual store and battery-free backup; bass and treble controls; remote control. Amp: S/N 80 dBA phono, 90 dBA line. FM: 50-dB quieting sens 11.2 dBi mono, 35.2 dBi stereo; cap ratio 1 dB; alt-ch sel 65 dB; S/N 78 dB mono, 75 dB stereo; THD (at 1,000 Hz) 0.2% mono, 0.5% stereo. 3-yr limited warranty. 16½ x 5¼ x 14¾ in; 16 lb \$329

MITSUBISHI

HTS-300 400-W A/V Receiver

6 channels. Dolby Pro Logic. 100 W x 2 (front) + 50 x 2/100 x 1 (center) + 50 x 2 (rear), all rms into 8 ohms with 1% THD. Line-level output for each channel; subwoofer, multiroom, monitor, 3 record, and 3 S-video record outputs; 2 front-panel inputs; headphone jack. Features video processor with digital dynamic comb-filter; multiple-feedback servo; ceramic filter; 4-gang front end; high-cut filters. Stadium, club, and theater surround modes; Dolby Time Link digital-delay system; 16 AM/FM presets with labelling; tone controls; on-screen displays; programmable remote control. 16¾ x 6¾ x 16½ in; 39 lb \$1,699

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

1 or 2 channels. 60 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. Gold-plated phono inputs; pre-out/main-in loops for each channel. Features FM NR; 4-transistor MM MC phono stage; switchable infrasonic filter. Bass EQ; 14 AM/FM presets; impedance selector; remote control. Amp: S/N 75 dB MC, 94 dB line. FM: cap ratio 1.6 dB; alt-ch sel 70 dB. 17½ x 4¼ x 15¾ in; 24 lb \$749

Model 705 40-W/ch Receiver

2 channels. 40 W x 2 cont avg into 8 ohms with 0.03% THD. 7 line-level inputs; 2 tape-monitor loops; buffered multiroom output; 5-way binding posts. Features dual-gate MOSFET PLL tuner design; infrasonic filtering in phono stage; IF-count circuitry. Independent listen/record capability; loudness and tone con-

trols; 39 AM/FM presets; dual-resolution manual and auto-seek tuning; A/B speaker switching; remote control. Amp: S/N 76 dB phono, 90 dB line. FM: 50-dB quieting sens 35 dBi stereo \$499

Model 701 25-W/ch Receiver

2 channels. 25 W x 2. Infrared-repeater input for multiroom applications; switchable phono/line input. 20 AM/FM presets; remote control \$349

NAKAMICHI

The following feature multiroom capability with inputs for up to 3 infrared repeaters. All models, except RE-3, feature Harmonic Time Alignment amplifier circuitry to eliminate distortion components out-of-phase with input signal.

AV-1 310-W A/V Receiver

5 channels, Dolby Pro Logic. 100 W x 2 (front) + 50 x 1 (center) + 30 x 2 (rear) into 8 ohms with 0.1% THD. A/V inputs/outputs; video connectors including S-video; pre-out/main-in loops; mono line-level output. Features motor-driven volume control. Spatial-mode, delay-time, balance, center-level, rear-level, and tone controls; direct station access; 30 AM/FM presets; speaker selector; remote control. Amp: FR 10-70,000 Hz +1, -3 dB; S/N 78 dB. FM: 50-dB quieting sens 37.5 dBi stereo; S/N 70 dB; THD 0.3%. 17 x 5½ x 14 in; 31 lb \$1,200

AV-2. As above, 70 W x 2 (front) + 35 x 1 (center) + 20 x 2 (rear) into 8 ohms with 0.1% THD \$850

AV-1RC. Programmable remote control for AV-1 or AV-2 \$150

SPC-2. Power strip for AV-1/AV-2 \$99

RE-1 80-W/ch Receiver

2 channels. 80 W x 2 into 8 ohms. Pre-out/main-in loops; 3 video inputs; 2 video outputs; speaker terminals; A/V inputs/outputs. Features isolated-ground topology; multiregulated power supply; video buffer amp; PLL tuner with dual-gate MOSFET; ceramic-resonator MPX section; protection circuitry; AC outlet; isolation buffer at output. 10 AM/FM presets; A/B speaker switching; auto seek/manual tuning; loudness control; defeatable gain control; tone control; muting; signal-strength meter; monitor/record-out selectors; FL display; remote control. Amp: FR 20-20,000 Hz +0, -0.5 dB; THD 0.008%; S/N 78 dB. FM: 50-dB quieting sens 37.5 dBi stereo; cap ratio 2 dB. 16 x 3 x 14 in; 26 lb \$799

RE-2. As above, 55 W x 2 into 8 ohms. No video inputs/outputs. 20 lb \$599

RS-7. Surface or in-wall remote sensor mount for RE-1 or RE-2 \$250

RS-5. In-wall remote sensor for RE-1 or RE-2. \$100

RE-3 37-W/ch Receiver

2 channels. 37 W x 2 into 8 ohms. Pre-out/main-in loops. Features isolated-ground topology; multiregulated power supply; PLL tuner with dual-gate MOSFET; high-speed protection circuitry. 10 AM/FM station presets; auto seek/manual tuning; tone controls; FL display; volume control; remote control. Amp: FR 20-20,000 Hz +0, -0.5 dB; THD 0.01%; S/N 98 dB. FM: 50-dB quieting sens 38.5 dBi stereo; cap ratio 2 dB. 16 x 3 x 10 in; 13 lb \$399

ONKYO

The following feature a motor-driven volume control.

Integra TX-SV909PRO 450-W A/V Receiver

7 channels, digital Dolby Pro Logic. 110 W x 3 (front, center) + 30 x 2 (rear) + 30 x 2 (front enhance) or 110 x 2 rms into 8 ohms. 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-enhance, and subwoofer outputs; 5-way binding posts; gold-plated terminals. Features 3 power transformers. Ambisonic surround decoder; 8 surround modes; 40 AM/FM presets; 6 preset groups with scan; direct station access; A/V and audio-only record selectors; video dubbing capability; source-direct switch; Onkyo RI-system compatibility; on-screen

displays; timer; programmable remote control. Amp: FR 20-20,000 Hz; THD 0.04%. FM: THD 0.1% mono. 18 x 7½ x 16¾ in; 48.5 lb \$1,850

TX-SV717PRO 315-W A/V Receiver

5 channels, Dolby Pro Logic. 85 W x 3 rms (front, center) + 30 x 2 (rear) or 110 x 2 rms. 6 audio and 4 video inputs; line-level front, rear, center-channel, and subwoofer outputs; 5-way binding posts; headphone jack. Hall and matrix surround modes; adjustable digital delay; 40 AM/FM presets; 6 preset groups; direct station access; FM-mute and tuning-level switches; timer; Onkyo RI-system compatibility; on-screen displays; programmable remote control. Amp: FR 20-20,000 Hz; THD 0.08%. FM: THD 0.1% mono. 18 x 6¾ x 15¾ in; 30.6 lb \$950

TX-SV515PRO 205-W A/V Receiver

5 channels, Dolby Pro Logic. 55 W x 3 rms (front, center) + 20 x 2 (rear) or 80 x 2 rms. 7 audio and 3 video inputs; line-level center-channel output; 5-way binding posts; headphone jack. Hall surround mode; adjustable digital delay; 40 AM/FM presets; 6 preset groups; FM-mute and tuning-level switches; sleep timer; Onkyo RI-system compatibility; programmable remote control. Amp: FR 20-20,000 Hz; THD 0.08%. FM: THD 0.15% mono. 18 x 6¾ x 15¾ in \$530

TX-SV313PRO 115-W A/V Receiver

4 channels, Dolby Pro Logic. 55 W x 2 (front) + 15 x 3 (center, rear) into 8 ohms or 60 x 2 rms. 6 audio inputs; 2 video inputs. 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; record-out selector; sleep timer; Onkyo RI-system compatibility; remote control. Amp: FR 20-20,000 Hz; THD 0.08%. FM: THD 0.15% mono. 18 x 4¾ x 12½ in; 22.3 lb \$410

TX-930 60-W/ch Receiver

2 channels. 60 W x 2 rms into 8 ohms or 120 x 2 max into 3 ohms. 6 audio inputs; outputs for 2 speaker pairs. Features auto tuner reception-optimization system. Logic-controlled keys; 40 AM/FM presets with battery-free backup; 6 preset groups; direct station access; loudness control; sleep timer; Onkyo RI-system compatibility; remote control. Amp: FR 40-20,000 Hz; THD 0.2%. FM: THD 0.15% mono. 18 x 4¾ x 12½ in; 17.6 lb \$290

TX-910 45-W/ch Receiver

2 channels. 45 W x 2 rms into 8 ohms or 105 x 2 max into 3 ohms. 6 audio inputs; outputs for 2 speaker pairs. Features auto tuner reception-optimization system. Logic-controlled keys; 40 AM/FM station presets with battery-free backup; 6 preset groups; direct station access; FM mute switch; loudness control; FL display. Amp: FR 40-20,000 Hz; THD 0.3% \$240

OPTIMUS BY RADIO SHACK

STA-7500 70-W/ch Receiver

2 channels. 70 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.5% THD. 4 line-level inputs; phono input; headphone jack; 2 switched AC outlets. Features CMOS LSI frequency-synthesized tuning; power-surge and short-circuit protections. 4-speaker surround mode; 30 AM/FM presets with scan; search tuning; loudness, FM-mono, and tape-monitor controls; bass, treble, and balance controls; remote control. Amp: S/N 82 dB phono, 93 dB line. FM: cap ratio 1.3 dB; S/N 72 dB; THD 0.3% stereo. 16½ x 4¾ x 11½ in \$230

STA-5500 50-W/ch Receiver

2 channels. 50 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.5% THD. 4 line-level inputs; phono input; headphone jack; 2 switched AC outlets. PLL frequency-synthesis tuning; power-surge and short-circuit protections. 4-speaker surround mode; 30 AM/FM presets with scan; search tuning; FM mono/stereo switch; loudness and tape-monitor controls; mute; bass, treble, and balance controls; sleep timer; remote control. Amp: S/N 82 dB phono, 93 dB line. FM: cap ratio 1.3 dB; S/N 72 dB; THD 0.3% stereo \$200

A HOME THEATER SHOULD



NEVER FEEL LIKE HOME.

When watching a movie in your living room—the last place it should feel like is home. It should feel as if you're floating somewhere out in deep space. Or sweating at the bottom of the ocean in the eerie silence of a nuclear submarine. At Onkyo, we've built an advanced line of Dolby Pro Logic receivers that transport you there. Receivers that deliver a level of home theater performance that's truly out of this world.

EFFECTS SO REAL YOU CAN FEEL THEM

With Onkyo's Integra TX-SV909PRO you'll be astounded at how easily you become a part of the action. Sound effects are heard distinctly and reach you from far beyond the confines of your listening room. Dialogue is crisp, intelligible and comes from precisely where it should. And precise imaging lets you enjoy a movie's complex soundtrack exactly as it was originally recorded. These are the benefits of watching a movie with the world's first receiver to incorporate full digital Dolby Pro Logic technology.

YOUR INVESTMENT INSURED

Your purchase today *won't* become obsolete tomorrow. Onkyo's TX-SV909PRO includes enough smartly applied A/V switching facilities to operate a small studio. Multiple digital and analog inputs and outputs provide the flexibility for any level of system expansion. Seven discrete high-quality power amplifiers with preamplifier access to all channels, and three independent heavy-duty power supplies for a stable supply of continuous high power ensure plenty of room to grow. Clearly, the TX-SV909PRO is a technological frontrunner guaranteed to keep you happy for many years to come.

ENTERTAINMENT IN EVERY ROOM

Onkyo's multi-room/multi-source capability allows you to enjoy a CD in the den, while at the same time someone is watching a full five-channel surround movie in the main listening room. All this by simply adding a pair of remote speakers. And with our optional remote sensor you can also enjoy the convenience of full system control from *any* remote location.



VALUE

All of our A/V receivers present the perfect combination of uncompromised engineering, aesthetic beauty, and usable design that can only come from those who truly care about audio and video reproduction. When you sit down to watch a movie with Onkyo, we'll strip away your listening room and deliver you right into the action. Pure home theater. Pure Onkyo.

Artistry in Sound

ONKYO®

For free information about how our complete line of A/V Receivers can bring the theater experience to your home, please complete the following information.

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200 Williams Drive, Ramsey, NJ 07446

SBG94

R E C E I V E R S

STA-795 50-W/ch Receiver

2 channels. 50 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.5% THD. 3 line-level inputs; phono input. 18 AM/FM presets; FM muting; loudness and tape-monitor controls; bass and treble controls; 5-segment LED power meter \$180

STA-300 15-W/ch Receiver

2 channels. 15 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.5% THD. 2 line-level inputs; phono input. 18 AM/FM presets; LCD \$140

STA-20 5-W/ch Receiver

2 channels. Designed for compact systems. 5 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.9% THD. 1 line-level input; 1 phono input. Loudness control. Amp: S/N 70 dB phono, 72 dB line. FM: S/N 60 dB. 10 1/4 x 2 3/4 x 7 1/4 in \$100

Optimus Professional Series

STAV-3400 290-W A/V Receiver

5 channels. Dolby Pro Logic, DSP. 70 W x 3 (front, center) + 40 x 2 (rear), all into 8 ohms at 1,000 Hz with 0.8% THD, or 110 x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD. Features motor-driven volume control. Inputs for 2 line-level sources, phono, two tape decks, 2 VCRs, and TV/monitor; front-panel A/V input; TV/monitor output; line-level outputs for each channel; headphone jack, one unswitched and 2 switched AC outlets. Jazz, church, dance, hall, theater, and Pro Logic theater sound fields; modifiable sound-field parameters with memory and recall; simulated-stereo mode; adjustable digital delay; Dolby 3 Stereo mode; memory for 5 bass/treble settings; operating-status memory and recall; video dubbing capability; 30 AM/FM presets divisible into 5 groups; bass, treble, and loudness controls; timer; programmable remote control. Amp: S/N 76 dB phono, 97 dB line. FM: 50-dB quieting sens 37 dB stereo; cap ratio 1 dB; alt-ch sel 65 dB; S/N 76 dB stereo. 16% x 6 3/8 x 16 in \$600

STAV-3300 250-W A/V Receiver

5 channels. Dolby Pro Logic. 70 x 3 (front, center) + 20 x 2 (rear), all into 8 ohms at 1,000 Hz with 0.8% THD, or 100 x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. Inputs for 1 line-level source, 2 tape decks, 2 VCRs, phono, and 2 A/V sources; one unswitched and 2 switched AC outlets. Features digital-synthesis tuner; power-surge and short-circuit protections. Dolby 3 Stereo mode; studio and concert-hall sound fields; 30 AM/FM presets divisible into 5 groups with group scan; direct station access; search tuning; memory for tone-control settings; bass, treble, and loudness controls; remote control. Amp: S/N 76 dB phono, 97 dB line. FM: 50-dB quieting sens 37 dB stereo; cap ratio 1 dB; alt-ch sel 60 dB; S/N 76 dB stereo. 16% x 6 3/8 x 16 in \$500

STAV-3270 220-W A/V Receiver

5 channels. Dolby Pro Logic. 60 W x 3 (front, center) + 20 x 2 (rear) or 80 x 2 into 8 ohms from 20-20,000 Hz with 0.09% THD. 4 line-level inputs; phono input; 2 tape loops; one unswitched and 2 switched AC outlets. Studio and simulated-surround sound fields; simulated-stereo mode; adjustable digital delay; direct station access; 30 AM/FM presets with scan; bass, treble, and extended-bass controls; remote control. Amp: S/N 72 dB phono, 96 dB line. FM: 50-dB quieting sens 38.6 dB stereo; alt-ch sel 50 dB; S/N 70 dB stereo. 16% x 5 3/8 x 13 3/4 in \$380

STAV-3170 240-W A/V Receiver

4 channels. Dolby Surround. 100 W x 2 (left, right) into 8 ohms from 20-20,000 Hz with 0.09% THD + 20 x 2 (rear) into 8 ohms at 1,000 Hz with 0.8% THD. 5 line-level inputs; phono input; VCR and TV/monitor outputs; 2 tape loops; switched AC outlet. Adjustable digital delay; studio and simulated sound fields; simulated-stereo mode; direct station access; 30 AM/FM presets with scan; bass, treble, and extended-bass controls; remote control. Amp: S/N 77 dB phono, 96 dB line. FM: 50-dB quieting sens 38.6 dB stereo; cap ratio 1 dB; alt-ch sel 50 dB; S/N 70 dB stereo. 16% x 5 1/2 x 13 3/4 in \$330



Pioneer VSX-D902S

STA-2180 70-W/ch Receiver

2 channels. 70 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.8% THD. 5 line-level inputs; phono input; 2 tape loops; switched AC outlet. 5-band EQ; 30 AM/FM presets divisible into 3 groups with group scan; direct station access; remote control. Amp: S/N 72 dB phono, 96 dB line. FM: 50-dB quieting sens 38.6 dB stereo; alt-ch sel 50 dB; S/N 70 dB stereo. 16% x 5 3/8 x 11 1/8 in \$250

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-940II 280-W A/V Receiver

5 channels. Dolby Pro Logic. 100 W x 2 (front) + 40 x 1 (center) + 20 x 2 (rear), all into 8 ohms. 8 audio and 4 video inputs; 2 audio and 2 video outputs; 2 digital inputs; 1 digital output. Features dual-room capability; auto fan cooling; electronic speaker switching. 5 surround modes; 30 AM/FM presets. 4 digital-delay settings; video dubbing capability; remote control. Amp: FR 20-20,000 Hz; THD 0.09%; S/N 88 dB. FM: S/N 68 dB and THD 0.4% stereo. 17 1/8 x 4 7/8 x 11 1/8 in; 17.6 lb \$480

FR-930II 200-W A/V Receiver

5 channels. Dolby Pro Logic. 70 W x 2 (front) + 20 x 1 (center) + 20 x 2 (rear), all into 8 ohms. 7 audio and 3 video inputs; 2 audio and 2 video outputs. Features dual-room capability; auto fan cooling; electronic speaker switching. 5 surround modes; 30 AM/FM presets; 4 digital-delay settings; video dubbing capability; remote control. Amp: FR 40-20,000 Hz; THD 0.07%; S/N 88 dB. FM: S/N 68 dB and THD 0.4% stereo. 17 1/8 x 4 7/8 x 11 1/8 in; 17.6 lb \$430

FR-920 110-W A/V Receiver

5 channels. Dolby Surround. 50 W x 2 (front) + 5 x 2 (rear), all into 8 ohms. 5 audio and 1 video inputs; 2 audio and 1 video outputs. Features electronic speaker switching; dual-room capability. 3 surround modes; digital delay; remote control \$270

FR-910 40-W/ch Receiver

2 channels. 40 W x 2 into 8 ohms. 5 audio inputs; 2 audio outputs. Remote control \$220

PIONEER

Auto source control refers to one-touch power-on and auto recall of 2 source components with their 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, digital Dolby Pro Logic, DSP. 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). 6 video and 6 audio inputs including phono; front-panel composite S-video A/V input; 4 S-video inputs and 3 S-video outputs; 2 VCR loops; video-processor loop; pre-out/main-in loops for all channels; 2 mono center-channel outputs; subwoofer output; 5-way binding posts for 2 front speaker pairs; headphone jack. Features multiroom multisource capability; digital AM beat reduction; source-direct mode. Jazz, dance, church, hall, and theater sound fields; Dolby 3 Stereo mode; digital simulated-stereo mode; auto input balance for Dolby Pro Logic; adjustable digital delay; 5 user ambience presets; record-out selector; video signal selector; split-screen video enhancer with 5 preset levels; video dubbing capability; 30 AM/FM presets divisible into 5 groups with group scan; digital 3-band EQ for front and center channels and bass and treble controls for rear channels with 5 user presets; FL display with level meters; timer; jog dial; illuminated programmable SR-system A/V remote control. Amp: FR 20-20,000 Hz ± 0.3 dB phono, 5-100,000 Hz + 0, -3 dB line; S/N 77 dB phono, 80 dB line. FM: 50-dB quieting sens 37 dB stereo; cap ratio 1 dB; alt-ch sel 65 dB; S/N 76 dB at 85 dB stereo. 16% x 6 3/8 x 18 in; 33 lb \$1,385

VSX-D902S 410-W A/V Receiver

5 channels, digital Dolby Pro Logic, DSP. 125 W x 2 into 8 ohms from 20-20,000 Hz with 0.005% THD (front) + 60 x 1 into 8 ohms at 1,000 Hz with 0.8% THD (center) + 50 x 2 into 8 ohms at 1,000 Hz with 0.8% THD (rear). 6 video and 6 audio inputs including phono; pre-out/main-in loops for all channels; front-panel composite S-video A/V input; 4 S-video inputs and 3 S-video outputs; 2 VCR loops; subwoofer output; 5-way binding posts for 2 front speaker pairs; headphone jack. Features source-direct mode. Multiroom/multisource capability; jazz, dance, church, hall, and theater sound fields; Dolby 3 Stereo and digital simulated-stereo modes; auto input balance for Dolby Pro Logic; auto source control; surround-parameter memory and recall; adjustable digital delay; split-screen video enhancer with 5 preset levels; video signal selector; video-dubbing capability; record-out selector; 30 AM/FM presets divisible into 5 groups with group scan; direct station access; digital bass and treble controls for front channels with 5 user presets; timer; jog dial; on-screen displays; illuminated programmable SR-system A/V remote control. Amp: FR 20-20,000 Hz ± 0.3 dB phono, 5-100,000 Hz + 0, -3 dB line; S/N 77 dB phono, 80 dB line. FM: 50-dB quieting sens 37 dB stereo; cap ratio 1 dB; alt-ch sel 65 dB; S/N 76 dB at 85 dB stereo. 16% x 6 3/8 x 16 in; 32.1 lb \$1,160

VSX-D702S 290-W A/V Receiver

5 channels, digital Dolby Pro Logic, DSP. 70 W x 3 (front, center) + 40 x 2 (rear) into 8 ohms at 1,000 Hz with 0.8% THD or 110 x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD. 5 video and 5 audio inputs including phono; 2 audio and 2 video outputs; 2 center-channel outputs; line-level outputs for each channel; front-panel A/V input; video-monitor output; S-video connectors; 5-way binding posts for 2 front speaker pairs; headphone jack. Multiroom capability; jazz, dance, church, hall, theater, and simulated-

R E C E I V E R S

surround sound fields; Dolby 3 Stereo and simulated-stereo modes; auto input balance for Dolby Pro Logic; auto source control; surround-parameter memory and recall; acoustic memory for 5 bass-treble responses; adjustable digital delay; video dubbing capability; 30 AM/FM presets divisible into 5 groups with group scan; direct station access; timer; on-screen displays; illuminated programmable SR-system A/V remote control. Amp: FR 20-20,000 Hz ± 0.3 dB phono, 5-100,000 Hz +0, -3 dB line; S/N 77 dB phono, 80 dB line. FM: 50-dB quieting sens 37 dB stereo; cap ratio 1 dB; alt-ch sel 65 dB; S/N 76 dB at 85 dB stereo. 16 $\frac{1}{8}$ x 6 $\frac{3}{8}$ x 16 in; 22.5 lb ... \$845

VSX-D602S 290-W A/V Receiver

5 channels, digital Dolby Pro Logic, DSP. 70 W x 3 (front, center) + 40 x 2 (rear) into 8 ohms at 1,000 Hz with 0.8% THD or 110 x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD. 5 video and 5 audio inputs including phono; 2 audio and 2 video outputs; line-level outputs for each channel; front-panel A/V input; video-monitor output; outputs for 2 front speaker pairs; headphone jack. Multiroom capability; jazz, dance, church, hall, theater, and simulated-surround sound fields; Dolby 3 Stereo mode; adjustable digital delay; auto input balance for Dolby Pro Logic; surround-parameter memory and recall; auto source control; acoustic memory for 5 bass/treble responses; simulated-stereo mode; video signal selector; video dubbing capability; 30 AM/FM presets divisible into 5 groups with group scan; direct station access; 5 factory EQ presets; timer; illuminated programmable SR-system A/V remote control. Amp: FR 20-20,000 Hz ± 0.3 dB phono, 5-100,000 Hz +0, -3 dB line; S/N 77 dB phono, 80 dB line. FM: 50-dB quieting sens 37 dB stereo; cap ratio 1 dB; alt-ch sel 65 dB; S/N 76 dB at 85 dB stereo ... \$735

VSX-512S 250-W A/V Receiver

5 channels, Dolby Pro Logic. 70 W x 3 (front, center) + 20 x 2 (rear) into 8 ohms at 1,000 Hz with 0.8% THD or 100 x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD. 4 video and 5 audio inputs including phono; 2 audio and 2 video outputs; line-level center- and rear-channel outputs; video-monitor output; outputs for 2 front speaker pairs; headphone jack. Multiroom capability; Dolby Time Link digital delay; auto input balance for Dolby Pro Logic; Dolby 3 Stereo, studio/simulated surround, and simulated-stereo modes; acoustic memory for 5 bass/treble responses; auto source control; video signal selector; video dubbing capability; 30 AM/FM presets divisible into 5 groups with group scan; direct station access; timer; programmable SR-system remote control. Amp: FR 20-20,000 Hz ± 0.3 dB phono, 5-100,000 Hz +0.5, -3 dB line; S/N 77 dB phono, 80 dB line. FM: 50-dB quieting sens 37 dB stereo; cap ratio 1 dB; alt-ch sel 65 dB; S/N 76 dB at 85 dB stereo. 16 $\frac{1}{8}$ x 6 $\frac{3}{8}$ x 16 in; 21.4 lb ... \$560

VSX-502. As above, remote control neither programmable nor illuminated ... \$500

VSX-452 220-W A/V Receiver

5 channels, Dolby Pro Logic. 60 W x 3 cont avg into 8

ohms from 20-20,000 Hz with 0.8% THD (left, right, center) + 20 x 2 into 8 ohms at 1,000 Hz (rear) or 80 x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.09% THD. 4 audio and 2 video inputs; line-level center-channel output; 2 audio and 2 video outputs; video-monitor output; outputs for 2 front speaker pairs; headphone jack. Multiroom capability; Dolby Time Link digital delay; auto input balance for Dolby Pro Logic; Dolby 3 Stereo, studio/simulated surround, and simulated-stereo modes; 30 AM/FM presets with scan; direct station access; bass and treble controls; timer; FL display; SR-system A/V remote control. Amp: FR 20-20,000 Hz ± 0.3 dB phono, 10-70,000 Hz +0.5, -3 dB line; S/N 75 dB phono, 79 dB line. FM: 50-dB quieting sens 38.6 dB stereo; alt-ch sel 50 dB; S/N 70 dB at 85 dB stereo. 16 $\frac{1}{8}$ x 5 $\frac{1}{2}$ x 13 $\frac{1}{2}$ in; 18.3 lb ... \$385

VSX-402 240-W A/V Receiver

4 channels, Dolby Surround. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.09% THD (front) + 20 x 2 into 8 ohms at 1,000 Hz with 0.8% THD (rear). 4 audio inputs including phono; 2 video inputs; 2 audio and 2 video outputs; video-monitor output; headphone jack. Studio/simulated surround and simulated-stereo modes; adjustable digital delay; 30 AM/FM presets with scan; direct station access; timer; FL display; SR-system A/V remote control. Amp: FR 20-20,000 Hz ± 0.5 dB phono, 10-70,000 Hz +0.5, -3 dB line; S/N 75 dB phono, 79 dB line. FM: 50-dB quieting sens 38.6 dB stereo; alternate-channel selectivity 50 dB; signal-to-noise ratio 70 dB at 85 dB stereo. Dimensions: 16 $\frac{1}{8}$ x 5 $\frac{1}{2}$ x 13 $\frac{1}{2}$ in ... \$335

SX-312R 70-W/ch Receiver

2 channels. 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. 6 inputs including phono; outputs for 2 speaker pairs; headphone jack. 30 AM/FM presets divisible into 3 groups with group scan; direct station access; 5-band graphic EQ; timer; FL display; SR-system remote control. Amp: FR 20-20,000 Hz ± 0.5 dB phono, 10-70,000 Hz +0.5, -3 dB line; S/N 75 dB phono, 79 dB line. FM: 50-dB quieting sens 38.6 dB stereo; alt-ch sel 50 dB; S/N 70 dB at 85 dB stereo. 16 $\frac{1}{8}$ x 5 $\frac{1}{2}$ x 11 $\frac{1}{2}$ in; 12.8 lb ... \$285

SX-251R 50-W/ch Receiver

2 channels. 50 W x 2 cont avg into 8 ohms from 40-20,000 Hz with 0.8% THD. 6 inputs including phono; outputs for 2 speaker pairs; headphone jack. 30 AM/FM presets divisible into 3 groups with group scan; direct station access; 5-band graphic EQ; sleep timer; FL display; SR-system remote control. 16 $\frac{1}{8}$ x 5 $\frac{1}{2}$ x 11 $\frac{1}{2}$ in; 11.7 lb ... \$260

SX-201. As above, without motor-driven volume control or sleep timer ... \$225

Elite Series

VSX-95 370-W A/V Receiver

5 channels, Dolby Pro Logic, DSP. 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). Features 5 discrete amplifiers; 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 loops for each channel; gold-plated terminals. Multiroom/multisource capability; jazz, dance, church, hall, and theater sound fields; simulated-stereo mode; adjustable digital delay; auto input balance for Dolby Pro Logic; split-screen video enhancer; 30 AM/FM presets; jog dial to adjust sound-field parameters; timer; on-screen displays; FL display; programmable SR-system remote control. FM: 50-dB quieting sens 37 dB stereo; cap ratio 1 dB; alt-ch sel 65 dB at 400 Hz; S/N 76 dB at 85 dB stereo. 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, Dolby Pro Logic. 50 W 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) or 100 x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.05% THD. 4 audio and 4 video inputs; line-level outputs for each channel; headphone jack; gold-plated terminals. Multiroom/multisource capability; Dolby Time Link digital-delay system; simulated/studio surround, simulated-stereo, and Dolby 3 Stereo modes; adjustable digital delay; video dubbing; 30 AM/FM presets with labeling; direct station access; A/B speaker switching; timer; on-screen displays; SR-system remote control. FM: 50-dB quieting sens 37 dB stereo; cap ratio 1 dB; alt-ch sel 65 dB at 400 Hz; S/N 76 dB at 85 dB stereo. 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. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.03% THD or 230 x 2 into 2 ohms. 6 audio inputs including phono and gold-plated CD inputs. Features non-switching power transistors; source-direct mode. Multiroom capability; tone controls; 30 AM/FM presets with scan; A/B speaker switching; mute and loudness switches; SR-system remote control. FM: 50-dB quieting sens 38.1 dB stereo; cap ratio 1 dB; alt-ch sel 55 dB at 400 Hz; S/N 73 dB at 85 dB stereo. 16 $\frac{1}{8}$ x 5 $\frac{1}{2}$ x 13 $\frac{1}{2}$ in; 17 lb ... \$450

RCA

RV3761F 280-W A/V Receiver

7 channels, Dolby Pro Logic, DSP. 60 W x 3 (front, center) + 25 x 4 (front enhance, rear), all rms into 8 ohms from 20-20,000 Hz with 0.05% THD. 4 video and 5 audio inputs; front-panel A/V input; headphone jack. Simulated, cinema, theater, stadium, studio, and rock DSP modes; variable surround-sound parameters with memory for 8 settings per A/V source; adjustable time delay; 30 AM/FM presets with scan; auto search; test-tone generator; FL display; level meters; remote control. Amp: FR 20-20,000 Hz ± 2 dB phono, 8-100,000 Hz +1, -3 dB line; S/N 85 dB phono, 95 dB line ... \$899

RV3651F 210-W A/V Receiver

5 channels, Dolby Pro Logic. 60 W x 3 (front, center) + 15 x 2 (rear), all rms into 8 ohms from 20-20,000 Hz with 0.09% THD. 3 video and 4 audio inputs; headphone jack. Features PLL digital tuning. Dolby 3 Stereo and concert-hall modes; adjustable delay time; 30 AM/FM presets with scan; auto search; test-tone generator; timer; bass and treble controls; remote. Amp: FR 40-20,000 Hz ± 1 dB ... \$399

ROTEL

RX950AX 50-W/ch Receiver

2 channels. 50 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. 5 inputs; headphone jack. Auto/manual tuning; 16 AM/FM presets; mono switch; tone defeat; illuminated preset buttons and volume control; remote control. FM: 50-dB quieting sens 14.8 dB mono, 37.2 dB stereo; cap ratio 1 dB; alt-ch sel 60 dB; S/N 80 dB mono, 75 dB stereo; THD (65 dB, 1,000 Hz) 0.07% mono, 0.25% stereo. 17 $\frac{3}{8}$ x 4 $\frac{7}{8}$ x 13 $\frac{3}{8}$ in ... \$600

RX940AX. As above, 40 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. Alt-ch sel 63 dB. 17 $\frac{3}{8}$ x 3 $\frac{3}{8}$ x 13 $\frac{3}{8}$ in ... \$400



RCA RV3761F

R E C E I V E R S



Sony STR-GX808ES

SANSUI

RZ-9500AV 300-W A/V Receiver

5 channels, Dolby Pro Logic, DSP, 100 W x 2 (front) + 40 x 1 (center) + 30 x 2 (rear), all cont avg into 8 ohms with 0.02% THD. 4 audio and 3 video inputs; rear and center line-level outputs; speaker-level inputs; tape-monitor loop; coaxial FM-antenna input. Quartz-PLL digital-synthesis tuner. 3 surround modes; 4 surround presets; adjustable digital delay; test-tone generator; electronic tone controls; source-direct switch; 30 AM/FM presets with scan; programmable remote control. Amp: FR 10-70,000 Hz \pm 3 dB; S/N 73 dB phono, 85 dB line \$749

RZ-790 50-W/ch Receiver

2 channels, 50 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.5% THD. 4 audio and 1 video inputs; tape-monitor loop; 4 speaker terminals. 5-band graphic EQ; loudness; auto tuning; 8 AM/16 FM presets with scan; remote control. Amp: S/N 73 dB phono, 95 dB line. 17 x 4 1/2 x 11 1/8 in.; 15 lb \$249

RZ-590 30-W/ch Receiver

2 channels, 30 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.5% THD. 8 AM/16 FM presets with scan; auto tuning; remote control. Amp: S/N 73 dB phono, 95 dB line. 17 x 5 1/2 x 11 1/8 in.; 12 lb \$225

SHERWOOD

RV-6030R 275-W A/V Receiver

5 channels, Dolby Pro Logic. 75 W x 3 (front, center) + 25 x 2 (rear) with 0.5% THD or 105 x 2 with 0.05% THD. Front-panel A/V Input; 5 audio and 4 video inputs; pre-out/main-in loops for front channels; line-level center- and rear-channel outputs; video-monitor output; headphone jack. Features discrete amplifier stages; Analog Devices processor. Adjustable digital delay; Dolby Time Link digital delay; test-tone generator; 30 AM/FM presets with scan; center- and rear-channel level controls; rear input-balance control; bass and treble controls; loudness, and tape-monitor controls; timer; FL display; Digi-Link III system-control compatibility; remote control \$475

RV-5030R 215-W A/V Receiver

4 channels, Dolby Pro Logic. 65 W x 3 (front, center) + 20 x 1 (rear) with 0.5% THD or 85 x 2 with 0.05% THD. Front-panel A/V Input; 5 audio and 3 video inputs; video-monitor output. Discrete amplifier stages. Test-tone generator; 30 AM/FM presets with scan; rear- and center-channel level controls; rear input-balance control; bass/treble, loudness, and tape-monitor controls; timer; FL display; Digi-Link III system-control compatibility; remote control \$370

RX-4030R 65-W/ch Receiver

2 channels, 65 W x 2 with 0.05% THD. 4 audio inputs; headphone jack. Features discrete amplifier stages. Matrix surround; 30 AM/FM presets with scan; bass/treble, loudness, and tape-monitor controls; timer; FL display; Digi-Link III system-control compatibility; remote control. 14 lb \$225

RX-2030R 60-W/ch Receiver

2 channels, 60 W x 2 with 0.08% THD. 4 audio inputs; headphone jack. Features discrete amp stages; motor-driven volume control; C-MOS input switching. Matrix surround; tape monitoring; 30 AM/FM presets with scan; bass and treble controls; A/B speaker switching; timer; FL display; Digi-Link III system-control compatibility; remote control \$195

RX-1010 35-W/ch Receiver

2 channels, 35 W x 2 into 8 ohms with 0.08% THD. 3 audio inputs; headphone jack. Features discrete amp stages. Tape monitoring; 30 AM/FM presets with scan; bass and treble controls; A/B speaker switching; FL display \$150

SONY

STR-D2090 285-W A/V Receiver

4 channels, digital Dolby Pro Logic. 75 W x 3 (front, center) + 60 x 1 (rear) or 120 x 2. 5 audio and 3 video inputs including 1 front-panel A/V. Hall, acoustic, opera, church, stadium, live, jazz, dance, and theater sound fields; live and theater enhanced Dolby Pro Logic modes; 10 user sound-field presets; adjustable digital delay (10-30 ms); auto input balance; test-tone generator; auto and direct tuning; 30 AM/FM presets; sleep timer; icon-based on-screen displays; programmable A/V remote control. 17 x 6 x 15 1/4 in \$1,000

STR-D1011 285-W A/V Receiver

4 channels, digital Dolby Pro Logic. 75 x 3 (front, center) + 60 x 1 (rear) or 120 x 2. 8 inputs including 3 video. Features discrete output devices. Hall, acoustic, opera, church, stadium, live, jazz, dance, and theater sound fields; live and theater enhanced Dolby Pro Logic modes; 10 user sound-field presets; adjustable digital delay (10-30 ms); auto input balance; test-tone generator; switchable 4/8-ohm impedance; direct station access; 30 AM/FM presets; A/V remote control. 17 x 5 7/8 x 15 7/8 in \$620

STR-D911 235-W A/V Receiver

4 channels, Dolby Pro Logic. 70 W x 3 (front, center) + 25 x 1 (rear) or 100 x 2. 8 inputs including 2 video and 1 front-panel A/V. Features discrete output devices. Hall, live, dance, theater, acoustic, and simulated sound fields; live and theater enhanced Dolby Pro Logic modes; adjustable digital delay (10-30 ms); auto input balance; test-tone generator; switchable 4/8-ohm impedance; direct station access; 30 AM/FM presets; bass and treble controls; A/V remote control. 17 x 5 7/8 x 13 3/4 in \$500

STR-D711 215-W A/V Receiver

4 channels, Dolby Pro Logic. 65 W x 3 (front, center) + 20 x 1 (rear) or 100 x 2. 6 inputs including 2 video. Features discrete output devices. Hall, live, dance, theater, acoustic, and simulated sound fields; live and theater enhanced Dolby Pro Logic modes; wide and phantom center-channel modes; Dolby 3 Stereo mode; adjustable digital delay (10-30 ms); auto input balance; test-tone generator; center- and rear-channel level controls; direct station access; 30 AM/FM presets; bass and treble controls; A/V remote control. 17 x 5 7/8 x 13 3/4 in \$430

nel level controls; direct station access; 30 AM/FM presets; bass and treble controls; A/V remote control. 17 x 5 7/8 x 13 3/4 in \$430

STR-D611 180-W A/V Receiver

4 channels, Dolby Pro Logic. 70 W x 2 (front) + 20 x 2 (center, rear). 6 inputs including 2 video. Features discrete output devices. Hall and simulated sound fields; wide and phantom center-channel modes; Dolby 3 Stereo mode; adjustable digital delay (10-30 ms); auto input balance; test-tone generator; center- and rear-channel level controls; direct station access; 30 AM/FM presets; bass and treble controls; A/V remote control. 17 x 5 3/8 x 11 1/8 in \$350

STR-D511 120-W A/V Receiver

4 channels, Dolby Pro Logic. 50 W x 2 (front) + 10 x 2 (center, rear). 4 audio and 2 video inputs. Features digital delay; discrete output devices. Hall and simulated sound fields; wide and phantom center-channel modes; Dolby 3 Stereo mode; auto input balance; test-tone generator; center- and rear-channel level controls; direct station access; 30 AM/FM presets; bass and treble controls; A/V remote control. 17 x 5 3/8 x 11 1/8 in \$300

STR-D311 70-W/ch Receiver

2 channels, 70 W x 2. 5 inputs including 1 video. Features discrete output devices. Tape monitoring; direct station access; 30 AM/FM presets; bass and treble controls; remote control. 17 x 5 3/8 x 11 1/8 in \$220

ES Series

STR-GX909ES 280-W A/V Receiver

4 channels, digital Dolby Pro Logic, DSP. 80 W x 3 (front, center) + 40 x 1 (rear) with 0.04% THD. 8 inputs; phono input; subwoofer output; parallel A/B binding-post/banana-plug speaker outputs; pre-out/main-in loops for each channel. Discrete output devices for front and center channels; aluminum front panel. Hall, acoustic, opera, church, stadium, live, jazz, dance, and theater sound fields; adjustable effect-level, room-size, wall-type, seat-position, and reverb-time sound-field parameters; 10 user sound-field presets; digital parametric front-channel EQ; variable digital delay (10-30 ms); auto input balance; center- and rear-channel level controls; 30 AM/FM presets; sound-field linking to tuner stations; station labeling; auto, index, and direct tuning; icon-based on-screen displays; dot-matrix FL display; programmable remote control. Amp: FR 10-20,000 Hz +0, -1 dB line; S/N 87 dB phono, 105 dB line. FM: cap ratio 1.2 dB. 17 x 5 7/8 x 15 1/8 in \$1,050

STR-GX808ES. As above, 70 W x 3 + 40 x 1 with 0.04% THD. Without on-screen displays \$820

TEAC

The following feature a motor-driven volume control.

AG-V3020 262-W A/V Receiver

5 channels, Dolby Pro Logic. 100 W x 2 (front) with 0.07% THD + 28 x 1 (center) + 17 x 2 (rear), all into 8 ohms. 4 audio inputs including phono; 3 A/V inputs. Features quartz-PLL tuner; motor-driven volume control. Theater, stadium, and Dolby 3 Stereo surround modes; adjustable digital delay; center- and rear-channel level controls; 30 AM/FM presets; mute switch; sleep timer; remote control. FM: cap ratio 1.5 dB; S/N 78 dB mono, 70 dB stereo. 17 1/2 x 6 1/4 x 15 1/4 in.; 28.7 lb \$570

AG-V1020 100-W/ch Receiver

2 channels, 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.08% THD. 2 video inputs including front-panel A/V; 1 A/V output; headphone jack. Features discrete design; quartz-PLL tuner. Matrix surround; video capability; 30 AM/FM presets with scan; auto tuning; loudness switch; mute button; direct station access; FL display; remote control. Amp: S/N: 70 dB phono, 94 dB line. FM: AM: 60 dB; cap ratio 1.5 dB; S/N 75 dB mono, 70 dB stereo; THD (1,000 Hz) 0.2% mono, 0.4% stereo. 17 1/8 x 5 1/4 x 13 7/8 in.; 23 lb \$380

R E C E I V E R S

AG-620 50-W/ch Receiver

2 channels. 50 W x 2 rms into 8 ohms from 40-20,000 Hz with 0.08% THD. Headphone jack. Features quartz-PLL tuner; discrete circuitry. Matrix surround; loudness switch; mute button; 30 AM/FM presets with scan; direct station access; FL display; remote control. Amp: S/N 70 dB phono, 94 dB line. FM: cap ratio 1.5 dB; S/N 75 dB mono, 70 dB stereo; THD (1,000 Hz) 0.2% mono, 0.4% stereo. 17 1/2 x 5 x 11 1/2 in.; 15.4 lb \$280

TECHNICS

SA-GX650 345-W A/V Receiver

4 channels, Dolby Pro Logic. 100 W x 3 (front, center) + 45 x 1 (rear) into 8 ohms at 1,000 Hz with 0.8% THD or 125 x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. 2 video inputs; 4 audio inputs; subwoofer output. Features Class A amplifier circuit; fan cooling; quartz-synthesizer digital tuning. Adjustable digital delay (15-30 ms); wide and phantom center-channel modes; Dolby 3 Stereo mode; rear- and center-channel level controls; 30 AM/FM presets; direct station access; A/B speaker switching; loudness switch; bass, treble, and balance controls; alphanumeric display; programmable A/V remote control. Amp: FR 7-70,000 Hz \pm 3 dB; S/N 75 dB. FM: 50-dB quieting sens 18.3 dBf mono, 38.3 dBf stereo; all-ch sel 65 dB; THD 0.2% mono, 0.3% stereo \$530

SA-GX550 255-W A/V Receiver

4 channels, Dolby Pro Logic. 75 W x 3 (front, center) + 30 x 1 (rear) into 8 ohms at 1,000 Hz with 0.8% THD or 110 x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. 2 video inputs; 4 audio inputs. Features Class A amplifier circuit; fan cooling. Adjustable digital delay (15-30 ms); wide and phantom center-channel modes; Dolby 3 Stereo mode; rear- and center-channel level controls; 30 AM/FM presets; direct station access; A/B speaker switching; loudness switch; bass, treble, and balance controls; alphanumeric display; programmable A/V remote control. Amp: FR 7-70,000 Hz \pm 3 dB; S/N 75 dB. FM: 50-dB quieting sens 18.3 dBf mono, 38.3 dBf stereo; all-ch sel 65 dB; THD 0.2% mono, 0.3% stereo. 17 x 6 1/2 x 13 3/8 in.; 23.6 lb \$430

SA-GX350 170-W A/V Receiver

4 channels, Dolby Pro Logic. 50 W x 3 (front, center) + 20 x 1 (rear) into 8 ohms at 1,000 Hz with 0.8% THD or 100 x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. 2 video inputs; 4 audio inputs. Features Class A amplifier circuit. Dolby 3 Stereo mode; wide and phantom center-channel modes; rear- and center-channel level controls; direct station access; bass, treble, and balance controls; A/B speaker switching; alphanumeric display; A/V remote control. Amp: FR 7-70,000 Hz \pm 3 dB; S/N 75 dB. FM: 50-dB quieting sens 18.3 dBf mono, 38.3 dBf stereo; all-ch sel 65 dB. 17 x 5 3/8 x 13 3/8 in.; 19.4 lb \$330

VECTOR RESEARCH

VRX-5200R 50-W/ch Receiver

2 channels. 50 W x 2. Pre-out/main-in loops; video-monitor output; signal-processor loop; 2 AC outlets. Features 8 discrete output transistors; quartz-synthesis tuning. Matrix surround; 20 AM/FM presets; scan tuning; separate FM mute and mono switches. FM: 50-dB quieting sens 15.6 dBf mono, 37.6 dBf stereo; cap ratio 1.3 dB; all-ch sel 60 dB; THD 0.07%. 17 x 4 1/2 x 13 1/2 in.; 17 lb \$370

VRX-3600R 40-W/ch Receiver

2 channels. 40 W x 2 into 8 ohms. Pre-out/main-in loops; video-monitor output; signal-processing loop; 2 AC outlets. Features 8 discrete output transistors; quartz-synthesis tuning. Matrix surround; 20 AM/FM presets; auto scan; separate FM mute and mono switches. THD 0.08% \$320

VRX-3550 55-W/ch Receiver

2 channels. 55 W x 2. Rear-panel inputs/outputs. Features discrete output stage. Midrange tone control. Amp: FR 10-50,000 Hz; THD 0.25% \$250

VRX-2700 30-W/ch Receiver

2 channels. 30 W x 2. Pre-out/main-in loops; video-monitor output; signal-processor loop; 2 AC outlets. Features 8 discrete output transistors; quartz-synthesis tuning. 20 AM/FM presets; scan tuning; separate FM mute and mono switches. FM: 50-dB quieting 17.2 dBf mono, 38.7 dBf stereo; THD 0.09% \$220

YAMAHA

RX-V1070 390-W A/V Receiver

5 channels, digital Dolby Pro Logic, DSP. 110 W x 3 (front, center) into 8 ohms from 20-20,000 Hz with 0.015% THD + 30 x 2 (rear) with 0.08% THD. 4 audio and 4 A/V inputs; line-level outputs for each channel; 2 center-channel speaker outputs; subwoofer output with low-pass filter; 3 S-video inputs and 3 S-video outputs including 2 VCR loops and monitor output; headphone jack; banana-plug-compatible speaker outputs; 75-ohm FM antenna input. Features direct-PLL IF count synthesis tuning; motor-driven volume control. Auto input balance for Dolby Pro Logic; 35-mm-theater, 70-mm-theater, and TV-theater cinema DSP modes; rock-concert, jazz-club, church, and concert-hall sound fields; wide and phantom center-channel modes; 40 AM/FM presets; bass and treble controls; tone-defeat switch; sleep timer; bass boost; A/B speaker switching; on-screen displays including level meters; programmable remote \$1,299

RX-950 120-W/ch Receiver

2 channels. 120 W x 2 cont avg into 8 ohms with 0.015% THD or 340 x 2 into 2 ohms. 5 audio and 2 video inputs; 2 line-level outputs; pre-out/main-in loops; 5-way blinding posts. Features Class A amplification; direct-PLL IF count synthesis tuning; motor-driven input selector; source-direct mode. 40 AM/FM presets; signal-strength meter; variable loudness control; tone and balance controls; record-out selector; remote control \$899

RX-V670 260-W A/V Receiver

5 channels, Dolby Pro Logic, DSP. 70 W x 3 (front, center) into 8 ohms from 20-20,000 Hz with 0.08% THD + 25 x 2 (rear) with 0.3% THD. 4 audio and 3 A/V inputs; pre-out/main-in loops; line-level rear outputs; headphone jack; 75-ohm FM antenna input. Features direct-PLL IF count synthesis tuning; motor-driven volume control. 35-mm-theater cinema DSP mode; rock-concert, concert-hall, mono-movie, concert-video DSP modes; wide and phantom center-channel modes; auto input balance; test-tone generator; 40 AM/FM presets; bass, treble, and balance controls; sleep timer; A/B speaker switching; programmable remote control \$699

RX-770 85-W/ch Receiver

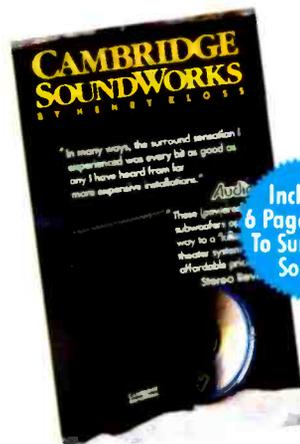
2 channels. 85 W x 2 into 8 ohms from 20-20,000 Hz with 0.019% THD or 220 x 2 into 2 ohms. 4 audio and 2 video inputs; 3-way blinding posts; pre-out/main-in loops; infrared input and output ports. Features direct-PLL IF count synthesis tuning; linear damping circuit; antivibration antiresonance base; motor-driven input selector and volume control; source-direct mode. 40 AM/FM presets; variable loudness control; sleep timer; tone and balance controls; record-out selector; A/B speaker switching; signal-strength meter; remote control. 22 lb \$549

RX-570 70-W/ch Receiver

2 channels. 70 W x 2 into 8 ohms from 20-20,000 Hz with 0.019% THD or 160 x 2 into 2 ohms. 6 audio inputs. Features direct-PLL IF count synthesis tuning; linear damping circuit; antivibration antiresonance base; motor-driven input selector and volume control; source-direct mode; remote control \$399

RX-460 55-W/ch Receiver

2 channels. 55 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.04% THD or 130 x 2 into 2 ohms. 6 audio inputs; 2 tape loops. Direct PLL IF count synthesis tuning; source-direct mode. 40 AM/FM presets; A/B speaker switching; variable loudness control; tone and balance controls; signal-strength meter; remote control. 17 1/2 x 5 1/4 x 11 1/2 in \$299



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I N T E G R A T E D A M P L I F I E R S

ACURUS

DIA-100 100-W/ch Integrated Amplifier
2 channels. 100 W x 2 into 8 ohms or 150 x 2 into 4 ohms. 6 inputs. Features direct input design with single gain stage. Volume, balance, and switching controls. 17 x 3 1/2 x 8 in. \$995

AMC

CVT 3030 30-W/ch Tube Integrated Amplifier
2 channels. 30 W x 2 from 50-20,000 Hz with 1% THD. 1 phono and 6 line-level inputs; tape loop; gold-plated speaker terminals. Features two EL34 vacuum tubes per channel; Class A design; seven 240-V MOSFET devices per channel; fixed-bias output tubes; no relay or switch contacts between output transformer and speaker terminals. Defeatable tone controls. S/N 80 dBA at 1 W \$900

ARCAM

Delta 290 75-W/ch Integrated Amplifier
2 channels. 75 W x 2 into 8 ohms. MC/MM phono inputs; 2 tape loops. FR 5-20,000 Hz; THD 0.02% at 1,000 Hz. 17 x 3 3/4 x 11 1/2 in; 14 lb. \$899

Alpha 6 50-W/ch Integrated Amplifier
2 channels. 50 W x 2 into 8 ohms. MMC phono inputs; tape loop. FR 20-20,000 Hz; THD 0.01% at 1,000 Hz. 17 x 3 x 10 in; 10 lb. \$649
Alpha 5. As above, 40 W x 2 into 8 ohms \$449

AUDIO DESIGN ASSOCIATES

MRA-808 640-W Integrated Amplifier
16 channels. Designed for use with System 8000 (see Multiroom Components); consists of 8 integrated-amp modules. 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. Digitally controlled tone and volume controls for each module. Slew rate 10 V/ μ s. 12 1/4 x 19 x 14 1/4 in; 52 lb. \$10,580

CR-8A 25-W/ch Integrated Amplifier
2 channels. Designed for use with System Omega (see Multiroom Components). 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. Signal-processor loop. Features power fuse; toroidal power transformer. Gain control; balance switch; LED volume, bass, and treble indicators. Infrared receiver optional. S/N 104 dB. 19 x 3 1/2 x 11 in; 13 lb. \$1,835

AUDIOLAB

Model 8000A MkII 60-W/ch Integrated Amplifier
2 channels. 60 W x 2 into 8 ohms or 100 x 2 into 4 ohms. Separate MC and MM inputs. Features overload protection. Muting; record-out selector; defeat-able tone controls. FR 1-65,000 Hz; THD 0.05%; S/N 81 dB MM, 77 dB MC. 17 1/2 x 3 x 13 in; 19 lb. \$799

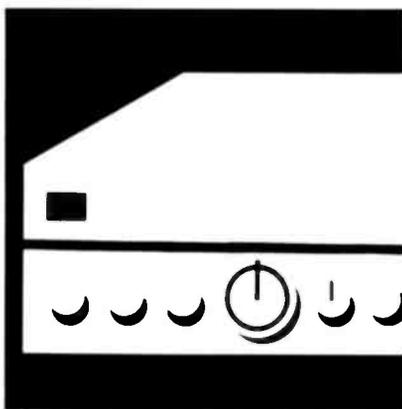
AUDIO NOTE

The following feature separate power supplies for power and preamp sections.

Tomei-Phono 17-W/ch Tube Integrated Amplifier
2 channels. 17 W x 2 cont avg into 8 ohms. Phono and line-level inputs. Features Class A single-ended triode operation; zero feedback; direct-heated 300B-triode output stage \$7,500
Tomei-Line. As above, no phono input \$6,000

Meishu-Phono 8.5-W/ch Tube Integrated Amp
2 channels. 8.5 W x 2 cont avg into 8 ohms. Phono and line-level inputs. Features Class A parallel single-ended triode operation; power choke; valve-rectified supply; zero feedback; direct-heated 300B-triode output stage \$4,900
Meishu-Line. As above, no phono input \$3,900

Soro-Phono 17-W/ch Tube Integrated Amplifier
2 channels. 17 W x 2 cont avg into 8 ohms. Phono



and line-level inputs. Features parallel single-ended 6L6GC pentode circuitry; valve rectification; paper-in-oil signal capacitors \$3,495
Soro-Line. As above, no phono input \$2,795

First Integrated 8-W/ch Amplifier
2 channels. 8 W x 2 cont avg into 8 ohms. 3 line-level inputs; tape loop; line-level output. Features Class A output; 6L6GC pentode circuitry \$1,250

CAMBRIDGE AUDIO

P70 60-W/ch Integrated Amplifier
2 channels. 60 W x 2 into 8 ohms. 5 inputs; gold-plated MC and MM phono inputs; 5-way binding posts. Features toroidal transformers with tuned reservoir capacitors. Defeatable tone controls. FR 3-82,000 Hz \pm 3 dB; THD 0.01% at 50% rated power; S/N 80 dBA MM, 68 dBA MC. 100 dBA line. 17 x 3 3/4 x 13 in; 14 lb. \$600
P50. As above, 50 W x 2. Tape loop. 13 lb. \$500
P25. As above, 30 W x 2. FR 11-36,000 Hz \pm 3 dB; THD 0.02% at 1,000 Hz. 25 W; S/N 73 dB MM, 60 dBA MC, 74 dBA line \$350

CARVER

CM-1090 100-W/ch Integrated Amplifier
2 channels. 100 W x 2 into 8 ohms or 140 x 2 into 4 ohms from 20-20,000 Hz with 0.1% THD. CD-direct input; 7 audio inputs; MM phono input; 2 tape loops with dubbing capability; pre-out/main-in loops; 4 AC outlets. Features Sonic Holography ambience-enhancement circuitry; motor-driven volume control. Matrix surround mode; 3-band EQ; A/B speaker switching; balance control; analog power meters; remote control. FR 20-20,000 Hz \pm 1 dB; S/N 80 dBA MM. 19 x 4 3/4 x 15 1/4 in \$600

CREEK

Model 4240 40-W/ch Integrated Amplifier
2 channels. 40 W x 2 into 8 ohms. 4 line-level inputs; tape loop \$600

DENON

AVC-3030 400-W A/V Integrated Amplifier
5 channels. Dolby Pro Logic. DSP. 110 W x 3 (left, right, center) + 35 x 2 (rear), all into 8 ohms. 10 audio inputs; 5 video inputs; 5 S-video inputs; 13 audio outputs; 3 video outputs; 3 S-video outputs. Features 5 discrete amps including 3 front amps with optically coupled Class A circuitry; videodisc- and CD-direct modes. 4 Dolby modes; wide-screen, live, mono-movie, classic, rock, church, jazz, stadium, and matrix ambience presets; auto input balance; cinema sound equalizer; adjustable delay and room size; separate A/V record-out selectors; nonvolatile memory for control settings; bass boost; alphanumeric FL display; programmable remote control with 5 keys for programming command sequences \$1,350

PMA-1080R 105-W/ch Integrated Amplifier
2 channels. 105 W x 2 into 8 ohms from 20-20,000 Hz. Line-level outputs. Features optically coupled Class A circuitry; complementary topology; toroidal transformer. Record-out selector; last-function memory; Denon IS remote-control compatibility; remote control. THD 0.005%; S/N 94 dB MM. 76 dB MC, 110 dB line \$675
PMA-880R. As above, 75 W x 2 into 8 ohms. THD 0.02% \$500
PMA-680R. As PMA-1080R, 65 W x 2 into 8 ohms. Without optically coupled Class A circuitry. Features discrete circuitry. THD 0.05%; S/N 94 dB MM, 75 dB MC, 107 dB line \$400

ELECTROCOMPANET

ECl-1 100-W/ch Integrated Amplifier
2 channels. 100 W x 2 into 8 ohms; 180 x 2 into 4 ohms, or 305 x 2 into 2 ohms. Gold-plated RCA connectors; XLR input. Features Class A output up to 20 W. 17 x 5 1/4 x 14 1/4 in; 39 lb. \$2,599

HARMAN KARDON

The following feature discrete circuitry.

HK6950R 170-W/ch Integrated Amplifier
2 channels. 170 W x 2 into 4/8 ohms from 20-20,000 Hz with 0.08% THD. MM/MC phono inputs; 5 line-level inputs; 2 tape loops; pre-out/main-in loops; headphone jack. Features toroidal transformer; subsonic filter. Phase-correct loudness and tone-defeat switches; record-out selector; remote control. FR 0.2-20,000 Hz +0, -3 dB at 1 W; S/N 80 dB MM, 76 dB MC, 98 dB line; slew rate 280 V/ μ s; damping factor 65. 17 3/8 x 6 1/4 x 15 1/2 in; 39.6 lb. \$1,299
HK6650R. As above, 100 W x 2. Without tone-defeat switch. Features mono switch. FR 0.5-200,000 Hz \pm 0, -3 dB; slew rate 180 V/ μ s. 17 3/8 x 5 3/8 x 14 1/2 in; 24.6 lb. \$799
HK6350R. As above, 60 W x 2. Without record-out selector or pre-out/main-in loops. Features signal-processor loop. Slew rate 140 V/ μ s; 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. 45 W x 2 into 4/8 ohms from 20-20,000 Hz with 0.09% THD. 6 inputs including 2 tape loops; headphone jack. Phase-correct loudness switch; tone and balance controls; remote control. FR 0.5-150,000 Hz +0, -3 dB; S/N 80 dB phono, 98 dB line; slew rate 90 V/ μ s; damping factor 60. 17 3/8 x 4 1/8 x 14 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 \$279

JVC

AX-Z911BK 100-W/ch Digital Integrated Amplifier
2 channels. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.0005% THD. Fiber-optic and coaxial digital inputs; switchable digital coaxial input/output; gold-plated terminals; MM/MC phono inputs. 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 32,000-, 44,100-, or 48,000-Hz sampling-rate selection; motor-driven volume control. Compu Link system compatibility; remote control. FR 0-200,000 Hz +0, -3 dB line, 20-20,000 Hz \pm 0.2 dB phono; S/N 80 dB MM, 73 dB MC, 85 dB line; damping factor 200. 18 3/4 x 6 3/8 x 16 1/2 in; 44 lb. \$1,100

KENWOOD

KA-V7700 200-W A/V Integrated Amplifier
5 channels, digital Dolby Pro Logic. DSP. 50 W x 3 (front, center) + 25 x 2 (rear) or 60 x 2 rms into 8 ohms from 20-20,000 Hz with 0.06% THD. 4 S-video inputs; 2 S-video outputs. 2 center-channel speaker outputs. Adjustable DSP parameters with 8-preset memory; 3 cinema-screen modes; 20 AM FM presets; record-out selector; on-screen displays; programmable remote control \$899

LAZARUS

Direct 100-W/ch Tube Integrated Amplifier
2 channels. 100 W x 2. 6 line-level inputs. Features hybrid design with tube input and bipolar output. Class AB operation. Source selector; volume control. Balanced inputs, cage-type cover, or wood cabinet optional. \$999

LINN

Intek 50-W/ch Integrated Amplifier
2 channels. 50 W x 2 into 8 ohms. MM and MC phono inputs; switched/unswitched speaker outputs; headphone jack. Separate record/play paths. \$1,095

MAGTONE

KT-1500T 30-W/ch Karaoke Integrated Amplifier
2 channels. 30 W x 2. 3 mic inputs; 1 audio and 2 video inputs; 2 outputs. Digital key control; 2-wire remote for mic control; digital echo, time, and repeat; input selector; MPX switch; auto vocal eliminator; volume, master-mic volume, and separate mic-level controls; tone controls. 16½ x 2½ x 12 in. \$399

SCK-3600 60-W/ch Karaoke Integrated Amplifier
2 channels. 60 W x 2. 3 mic inputs; A/V input and output; headphone jack. A/B speaker switching; digital key control; MPX and vocal eliminator; digital echo, time, and repeat; balance, bass, treble, loudness, and master-volume controls; 2-wire remote key; LED meter. 17 x 4 x 10 in; 15 lb. \$399
SC-3000. As above, without digital key control or 2-wire remote key. \$309

KA-908XD 30-W/ch Karaoke Integrated Amplifier
2 channels. 30 W x 2 into 8 ohms. 2 mic inputs; 1 video and 3 audio inputs. Balance for MPX music/vocals; mono/stereo switch; auto vocal eliminator; LED VU display; 110/220-V AC operation; output-tone, mic-tone, mic-level, master-volume, and delay-time controls; echo-time/mic-defeat controls. 17 x 3 x 10 in; 10 lb. \$244

MARANTZ

PM-700AV 200-W A/V Integrated Amplifier
5 channels. Dolby Pro Logic. 50 W x 2 from 20-20,000 Hz (front) + 50 x 1 at 1,000 Hz (center) + 25 x 2 rms at 1,000 Hz (rear), all rms into 8 ohms. 4 audio inputs; front-panel A/V input; 4 A/V inputs including 2 S-video; composite and S-video outputs; RC-5 system remote-control interface. Dolby test-tone generator; switchable bass boost; preprogrammed remote control. S/N 76 dB phono, 85 dB line. Gold finish with matching side panels. 17½ x 6 x 13¾ in; 29 lb. \$699

MCINTOSH

C-40 20-W/ch Integrated Amplifier
2 channels. 20 W x 2 cont avg into 8 ohms. Balanced input and output; 2 processor loops; switched AC outlets. Features anti-clipping circuitry; logic-driven electromagnetic switching; dynamic-range compressor/expander. Separate listen and record selectors; 5-band EQ; variable loudness control; monitor amp switchable between listen/record circuits and inputs; mute switch. FR 20-20,000 Hz +0, -0.5 dB; THD 0.002%; S/N 100 dBA. 17½ x 5½ x 15½ in; 23 lb. \$3,000

MISSION

Cyrus II 60-W/ch Integrated Amplifier
2 channels. 60 W x 2 into 8 ohms. 6 inputs including MM/MC phono; headphone jack. Features polypropylene and polystyrene capacitors. Record-out selector; balance control. FR 20-20,000 Hz; THD 0.003% at 1,000 Hz; S/N 83 dB; slew rate 10 V/µs; damping factor 100. 8½ x 3 x 13½ in; 16 lb. \$999

Cyrus I 30-W/ch Integrated Amplifier
2 channels. 30 W x 2 into 8 ohms. 6 inputs including

MM/MC phono. Features die-cast magnesium chassis and heat sink; die-cast aluminum front and cover; metal-film resistors and capacitors. Record-out selector; balance control. \$649

MITSUBISHI

HTS-100 200-W A/V Integrated Amplifier
6 channels. Dolby Pro Logic. 50 W x 2 (front) + 25 x 2 (center) + 25 x 2 (rear), all rms into 8 ohms with 1% THD. Subwoofer output. Balance control; center- and rear-channel level controls; test-tone generator; programmable remote control. \$599

NAD

Model 304 35-W/ch Integrated Amplifier
2 channels. 35 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. Two sets of 5-way binding posts; gold-plated phono and CD inputs; pre-out/main-in loops. Features discrete 4-transistor phono preamp. S/N 77 dB MM, 91 dB line; damping factor 100 at 50 Hz; dynamic headroom 5.5 dB. 16½ x 4¾ x 14¾ in; 19.3 lb. \$379

Model 302 25-W/ch Integrated Amplifier
2 channels. 25 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. 5-way binding posts; gold-plated phono input; pre-out/main-in loops. Features discrete 4-transistor phono preamp. S/N 77 dB MM, 90 dB line; damping factor 60 at 50 Hz; dynamic headroom 6 dB. 16½ x 4¾ x 12¼ in. \$269

NAIM

NAIT 3 30-W/ch Integrated Amplifier
2 channels. 30 W x 2 into 8 ohms. MM/MC phono input; 5 line-level inputs. Features electronic select switching. 17¼ x 2¼ x 12 in. \$1,055

ONKYO

Integra A-SV810PRO 325-W A/V Integrated Amp
5 channels. Dolby Pro Logic, DSP. 85 W x 3 (front, center) + 35 x 2 (rear) into 8 ohms or 180 x 2 max into 3 ohms. 6 video inputs including 5 S-video inputs; 10 audio inputs; 5 video outputs including 3 S-video outputs; 5 audio outputs; line-level subwoofer output. Features dual power transformers; 8-mode digital sound-field processor; motor-driven volume control. 10 sound-field presets; adjustable digital delay; record-out selector; mute switch; on-screen displays; programmable cursor key; FL display. Onkyo RI-system remote-control compatibility; remote control. FR 20-20,000 Hz; THD 0.06%; S/N 105 dB; damping factor 90. 18 x 6¾ x 16¾ in; 38.6 lb. \$1,100

Integra A-809 105-W/ch Integrated Amplifier
2 channels. 105 W x 2 rms into 8 ohms or 303 x 2 max into 2 ohms. 5-way binding posts. Features discrete outputs, power supplies, and transformers; direct signal paths; dual-shielded-block construction with 2-panel chassis base; motor-driven volume control; remote control. FR 20-20,000 Hz; THD 0.008%; S/N 107 dB; damping factor 150. 18 x 6¾ x 16¾ in; 36.8 lb. \$660
Integra A-807. As above. 80 W x 2 rms into 8 ohms or 210 x 2 max into 2 ohms. 34.2 lb. \$550

Integra A-SV610PRO 250-W A/V Integrated Amp
5 channels. Dolby Pro Logic. 70 W x 3 (front, center) + 20 x 2 (rear) into 8 ohms, 125 x 2 rms into 8 ohms, or 240 x 2 into 4 ohms. 8 audio and 3 video inputs. Features dual power transformers. Video dubbing capability; record-out selector; tone control; FL display; Onkyo RI-system compatibility; remote control. FR 20-30,000 Hz; THD 0.08%; S/N 100 dB; damping factor 60. 18 x 6¾ x 15¼ in; 29.8 lb. \$630

A-RV401 100-W/ch A/V Integrated Amplifier
2 channels. 100 W x 2 rms into 8 ohms or 190 x 2 into 4 ohms. 7 audio and 2 video inputs. Features discrete outputs; motor-driven volume control; source-direct mode. Video dubbing capability; 4-way speaker selector; loudness control; simulated-stereo

mode; mute switch; FL display; Onkyo RI-system compatibility; remote control. FR 20-20,000 Hz; THD 0.08%; S/N 102 dB. 18 x 5½ x 13 in. \$400

A-803 60-W/ch Integrated Amplifier
2 channels. 60 W x 2 rms into 8 ohms or 135 x 2 max into 2 ohms. 7 audio inputs including MM/MC; 5-way binding posts. Features discrete output stage; source-direct mode. Multiroom capability; 4-way speaker selector; Onkyo RI-system compatibility; remote control. FR 20-20,000 Hz; THD 0.06%; S/N 102 dB; damping factor 40. 18 x 4¾ x 13 in. \$350

PHILIPS

FA-950 100-W/ch Integrated Amplifier
2 channels. 100 W x 2 into 8 ohms or 140 x 2 into 4 ohms. 7 inputs including MC and MM phono; digital inputs/outputs. Bus system for integration with 900 series components; remote control. \$480

PIONEER

VSA-7500 254-W A/V Integrated Amplifier
5 channels. Dolby Pro Logic, DSP. 70 W x 3 (front, center) + 22 x 2 (rear) into 8 ohms at 1,000 Hz with 0.3% THD or 75 x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.008% THD. 6 audio and 6 video inputs; S-video connectors; front-panel A/V input; line-level outputs for each channel; 2 center-channel speaker outputs; subwoofer output. Features source-direct mode. Simulated-surround, disco, church, hall, jazz, and theater sound fields; adjustable digital delay; Dolby 3 Stereo mode; variable bass synthesizer; video signal and record selectors; last-function memory; on screen displays; programmable SR-system A/V remote control. FR 20-20,000 Hz ± 0.3 dB phono, 5-100,000 Hz +0, -3 dB line; S/N 72 dB phono, 96 dB line. 16¾ x 6¾ x 16¾ in; 26.4 lb. \$1,125

A-301 40-W/ch Integrated Amplifier
2 channels. 40 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD, 50 x 2 into 4 ohms from 20-20,000 Hz with 0.02% THD, or 100 x 2 into 2 ohms. 6 inputs including phono; outputs for 2 speaker pairs. Features channel-separation enhancement circuit; source-direct mode; direct signal paths. Record-out selector; tape-dubbing capability. S/N 89 dB phono, 108 dB line. 16¾ x 5 x 13¾ in; 15.5 lb. \$325

Elite Series

A-71 120-W/ch Integrated Amplifier
2 channels. 120 W x 2 into 8 ohms from 20-20,000 Hz with 0.003% THD. 7 inputs including MM/MC phono; headphone jack. Features direct signal paths; isolation of transformer and heat sink from chassis; source-direct mode. Switchable phono subsonic filter; record-out selector; tone and balance controls; A/B speaker switching. S/N 95 dB MM, 77 dB MC, 110 dB line. 18 x 6¾ x 18¾ in; 60 lb. \$1,100

A-51 100-W/ch Integrated Amplifier
2 channels. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.007% THD. 8 inputs including gold-plated phono and CD inputs. Features direct signal paths. Muting; loudness contour; record-out selector; source-direct switch; A/B speaker switching. S/N 94 dB MM, 76 dB MC, 110 dB line. 16¾ x 6¾ x 17¾ in; 42 lb. \$850

QED

A270 50-W/ch Integrated Amplifier
2 channels. 50 W x 2 into 8 ohms or 85 x 2 into 4 ohms. MM/MC phono inputs. Features biwiring capability. THD 0.1%. 16 lb. \$1,000

ROTEL

RA980BX 100-W/ch Integrated Amplifier
2 channels. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. 7 inputs including MC and MM; headphone jack. Features electrolytic filter capacitors. Tone controls; mono switch. S/N 70 dB MC, 80 dB MM, 100 dB line; damping factor 1,500. 17¾ x

4 7/8 x 13 3/4 in; 24 lb \$700
RA960BX. As RA980BX, 60 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. Without mono switch. Damping factor 100 \$500

SANSUI

AU-X911DG 100-W/ch Digital Integrated Amplifier
 2 channels. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.005% THD. 5 gold-plated analog inputs; 4 gold-plated digital inputs. Features 1-bit D/A converter; discrete L/R amplifiers; separate digital and analog transformers; subsonic filter; digital- and source-direct modes. Record-out selector; loudness switch; A/B speaker switching. 17 x 6 1/2 x 17 3/4 in; 40 lb \$1,250

AV-7000 280-W A/V Integrated Amplifier
 5 channels, Dolby Pro Logic, DSP. 70 W x 3 rms (front, center) + 35 x 2 (rear), all into 8 ohms from 20-20,000 Hz with 0.02% THD. Front, rear, and center line-level outputs; tape-monitor loop; 5 audio and 4 video inputs; front-panel video input; video-processor loop. Features separate audio and video power supplies; digital-direct mode. 8 surround/DSP modes including 6 with variable digital delay; surround memory for rear- and center-channel volume, tone, and digital-delay settings; auto input balance; A/V dubbing capability; bass, midrange, and treble controls; front-speaker defeat switch; remote control. S/N 110 dBA. 17 x 6 3/8 x 17 1/4 in; 31.9 lb \$1,000

AU-X517R 65-W/ch Integrated Amplifier
 2 channels. 65 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.015% THD. 4 speaker outputs. Features servo-driven source-selector; subsonic filter; source-direct mode. 4-mode loudness/bass-boost control; record-out selector; remote control. S/N 70 dB MC, 88 dB MM, 105 dB line. 17 x 5 5/8 x 13 in; 20 lb \$579
AU-X417R. As above, 55 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.05% THD. Without bass boost. Single-mode loudness; motor-driven volume control; muting. S/N 65 dB MC, 80 dB MM \$365

AU-X117 30-W/ch Integrated Amplifier
 2 channels. 30 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.03% THD. 4 speaker outputs; gold-plated headphone jack. CD-direct switch. S/N 78 dB phono, 105 dB line. 17 x 5 x 11 1/4 in; 11 lb \$199

SOLO

Solo 320 50-W/ch Integrated Amplifier
 2 channels. 50 W x 2 in Class AB mode or 8 x 2 in Class A mode. MM phono input; biwire outputs. Features selectable Class A/AB output; multiple-layer output transformer. FR 20-22,000 Hz ± 0.5 dB. 17 x 9 x 13 in; 52 lb \$1,980

SONY

ES Series

The following models feature a source-direct mode, a twin-drive power supply, a Class A MOSFET voltage stage, a MOSFET output stage, a subsonic filter, a mono/stereo switch, A/B speaker switching, a record-out selector, a muting switch, and a remote control.

TA-F808ES 100-W/ch Integrated Amplifier
 2 channels. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.004% THD or 130 x 2 into 4 ohms. 7 inputs: MM/MC phono input; line-level outputs. FR 2-200,000 Hz +0, -3 dB line; S/N 93 dB MM, 79 dB MC, 105 dB line; damping factor 100 into 8 ohms. 18 1/2 x 6 7/8 x 17 1/8 in \$1,700

TA-F707ES 90-W/ch Integrated Amplifier
 2 channels. 90 W x 2 into 8 ohms from 20-20,000 Hz with 0.004% THD or 120 x 2 into 4 ohms. 7 inputs: MM/MC phono input; line-level outputs. FR 2-200,000 Hz +0, -3 dB line; S/N 93 dB MM, 77 dB MC, 105 dB line; damping factor 100 into 8 ohms. 18 1/2 x 6 1/2 x 17 1/8 in \$1,200

TA-F606ES. As above, 80 W x 2 into 8 ohms from

20-20,000 Hz with 0.008% THD or 100 x 2 into 4 ohms. Without line-level outputs. S/N 94 dB MM, 76 dB MC. 17 x 5 7/8 x 14 3/4 in \$700

SUMIKO

CTA-401 45-W/ch Tube Integrated Amplifier
 2 channels. 45 W x 2 cont avg into 8 ohms. THD 0.2%; S/N 90 dB; slew rate 70 V/μs. 59 lb \$2,500

SUPERIOR AUDIO

Personal Amplifier Series

The following are designed for portable CD or cassette players. Each features a toroidal transformer with built in 4-cell Ni-Cd battery charger, a black anodized-aluminum enclosure, and a 3-yr warranty. Each includes a power cord and an interconnect cord.

JX-17 64-W Integrated Amplifier
 4 channels. 16 W x 4, 32 x 2, or 16 x 2 + 32 x 1, all rms into 8 ohms from 20-20,000 Hz with 0.01% THD. Mini-jack, MM aux, phone-jack, and 2 gold-plated line-level RCA inputs; line-level RCA output; headphone mini-jack. Active crossover adjustable from 72-250 Hz. Source and record-out selectors; L/R LED level meters with switchable range; mono/stereo, low/high-cut filter, and loudness switches; volume, balance, and tone controls. S/N 86 dB; dynamic headroom 2 dB. 7 x 6 x 3 in; 8 lb \$500

JX-16 16-W/ch Integrated Amplifier
 2 channels. 16 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD. Mini-jack, phone-jack, MM/aux, and 2 gold-plated line-level RCA inputs; line-level RCA output; headphone mini-jack. Source and record-out selectors; L/R LED level meters with range switch; mono/stereo, low/high-cut filter, and loudness switches; volume, balance, and tone controls. S/N 86 dB; dynamic headroom 2 dB. 7 x 1 3/4 x 6 in; 5 lb \$350
JX-15. As above, with additional RCA line-level output. No level meters or low/high-cut filter \$300

JX-18 16-W/ch Integrated Amplifier
 2 channels. 16 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.5% THD. Phone-jack input; 3 gold-plated line-level RCA inputs; line-level RCA output; headphone mini-jack. 120-V AC or 12-V DC operation. Source selector; mono stereo and loudness switches; volume, balance, and tone controls. Dynamic headroom 1.25 dB. 7 x 1 3/4 x 6 in; 5 lb \$300

JX-14 16-W/ch Integrated Amplifier
 2 channels. 16 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.01% THD. Gold-plated line-level RCA input; line-level RCA output. Source selector; mono/stereo and loudness switches; volume control. Dynamic headroom 2 dB. 7 x 1 3/4 x 6 in; 5 lb \$250

JX-13 12-W/ch Integrated Amplifier
 2 channels. 12 W x 2 rms into 4 ohms from 20-20,000

Hz with 1% THD. Gold-plated line-level RCA input; line-level RCA output; headphone mini-jack. Features 120-V AC or 12-V DC operation. Source selector. 7 x 1 3/4 x 6 in; 4 lb \$220

TEAC

A-X5000 75-W/ch Integrated Amplifier
 2 channels. 75 W x 2 cont avg into 8 ohms. MM/MC phono input; 6 line-level inputs; outputs for 2 speaker pairs. Source-direct mode; independent input and record selectors; mute button; switchable subsonic filter; loudness switch; tone and balance controls. FR 20-20,000 Hz; THD 0.009%; S/N 80 dB phono, 101 dB line. 17 3/8 x 6 1/4 x 14 1/8 in; 23 lb \$450

A-X3000 60-W/ch Integrated Amplifier
 2 channels. 60 W x 2 cont avg into 8 ohms. Phono input; 5 line-level inputs; outputs for 2 speaker pairs. Features source-direct mode. Independent input and record selectors; mute button; subsonic filter; loudness switch; tone and balance controls. FR 20-20,000 Hz; THD 0.02%; S/N 78 dB phono, 101 dB line. 17 3/8 x 5 x 14 1/8 in; 20 lb \$380

A-X1000 40-W/ch Integrated Amplifier
 2 channels. 40 W x 2 cont avg into 8 ohms. Phono input; 5 line-level inputs; outputs for 2 speaker pairs. Features source-direct mode. Independent input and record selectors; loudness switch; tone and balance controls. FR 20-20,000 Hz; THD 0.02%; S/N 78 dB phono, 101 dB line. 17 3/8 x 5 x 14 1/8 in; 17 lb \$290

TECHNICS

SU-V660 90-W/ch Integrated Amplifier
 2 channels. 90 W x 2 cont avg into 8 ohms with 0.007% THD. Switchable MC/MM phono inputs; pre-out/main-in loops; outputs for 2 speaker pairs. Features Class AA circuitry. Defeatable tone and loudness controls. FR 30-15,000 Hz ± 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 \$400

SU-V460 50-W/ch Integrated Amplifier
 2 channels. 50 W x 2 cont avg into 8 ohms with 0.007% THD. Pre-out/main-in loops; outputs for 2 speaker pairs. Features Class AA circuitry. Defeatable tone and loudness controls. FR 30-15,000 Hz ± 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

VAC

Vintage Williamson 37-W/ch Tube Integrated Amplifier

2 channels. 37 W x 2. Features passive control section; all-tube circuitry; Class A Williamson-type front end; aluminum chassis; wide-band transformers; high-overhead stable self-bias circuit. Tube cage optional. Gloss black with engraved brass faceplate. 18 x 5 3/4 x 14 in; 50 lb \$2,490



Superior Audio JX-18

INTEGRATED AMPLIFIERS

WOODSIDE/RADFORD

ISA230 25-W/ch Tube Integrated Amplifier

2 channels. 25 W x 2 into 8 ohms or 30 x 2 into 4 ohms. Four inputs and one tape monitor. Features MM phono stage using one low-noise transistor and one double-triode tube per channel. Frequency response 5-50,000 Hz -1 dB; total harmonic distortion 0.2%; signal-to-noise ratio -85 dB line, -75 dB phono. 17 x 3 x 13 in; 26 lb \$1,995
Above without phono stage \$1,795

YAMAHA

DSP-A2070 340-W A/V Integrated Amplifier

7 channels, digital Dolby Pro Logic, DSP. 80 W x 3 (left, center, right) into 8 ohms from 20-20,000 Hz with 0.015% THD + 25 x 4 (effects) with 0.05% THD. 5 audio and 6 A/V inputs; S-video terminals; front-panel S-video A/V inputs; video-monitor output; pre-out/main-in loops for L/R front effects, center channel, and L/R rear effects; center-channel outputs for 2 speakers; subwoofer output. Features 19-bit A/D converters; interpolative 18-bit D/A converters; motor-driven input selector and volume control. 11 cinema DSP modes including spectacle, musical, recital, and pavilion; 12 DSP music modes; parameter controls including effect trim, front-effect presence, rear-effect surround delay time, and reverberation; variable subwoofer test-tone generator; parameter-reset button; 7-dB bass boost at 70 Hz; digital test-tone generator; 5-band center-channel graphic EQ; record-out selector; input-level overload indicator; on-screen displays; remote control. 46.4 lb \$1,999

DSP-A1000 340-W A/V Integrated Amplifier

7 channels, Dolby Pro Logic, DSP. 80 W x 3 into 8 ohms from 20-20,000 Hz with 0.015% THD (front, center) + 25 x 4 with 0.05% THD (effects, rear). 10 audio and 5 video inputs; S-video input; subwoofer output with low-pass filter; 2 switchable center-channel outputs; front-panel S-video A/V input; pre-out/main-in loops. Features motor-driven input selector. Auto input balance; TV-theater and concert-video modes; 35-mm and 70-mm theater modes; 23 DSP modes; 5-band center-channel EQ; digital test-tone generator; programmable remote control. 44 lb \$1,499

DSP-A970 283-W A/V Integrated Amplifier

7 channels, Dolby Pro Logic, DSP. 65 W x 3 (left, right, center) into 8 ohms from 20-20,000 Hz with 0.015% THD + 22 x 4 (effects) with 0.03% THD. 5 audio and 5 A/V inputs; S-video terminals; front-panel S-video A/V input; center-channel outputs for 2 speakers; line-level outputs for 4 effects channels; subwoofer output; 3-way binding posts. Features 18-bit A/D converters; motor-driven volume control. 35-mm theater-surround and 70-mm movie-theater DSP modes; 11 cinema DSP modes including game-amusement, karaoke, fantasy, and classic film; parameter controls with reset button; 5-band center-channel graphic EQ; input level control; record-out selector; digital test-tone generator; front, center, and rear level controls; front-mix switch for 5 channel operation; on-screen displays; programmable remote control. 30.8 lb \$1,299

DSP-E1000 180-W A/V Integrated Amplifier

5 channels, Dolby Pro Logic, DSP. Designed as add-on to existing 2-channel stereo. 25 W x 4 rms into 8 ohms with 0.05% THD (L/R front and rear effects) + 80 x 1 with 0.015% THD (center). Tape loop; video inputs and outputs; S-video terminals; subwoofer output with 200-Hz low-pass filter; line-level outputs for all channels; 5-way binding posts. Features motor-driven volume control. TV-theater and concert video modes; 35-mm and 70-mm theater modes; 23 digital signal processing modes; auto input balance; 5-band center-channel equalizer; wide and phantom center-channel modes; front-, rear-, and center-channel level controls; front/rear bass boost; digital test-tone generator; audio muting; on-screen superimpose; remote control. Dimensions: 17 1/8 x 5 1/4 x 15 1/4 in; weight: 27.5 lb \$999

AX-570 100-W/ch Integrated Amplifier

2 channels. 100 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.015% THD or 290 x 2 into 2 ohms. 6 audio inputs with 2 tape loops; MM MC input; pre-out/main-in loops. 3-way binding posts; 3 switched AC outlets; gold-plated CD input terminal. Features anti-vibration antiresonance chassis and base; linear damping circuit; motor-driven input selector and volume control. Variable loudness control; record-out selector; switchable subsonic filter; Yamaha IS-system remote control. SN 110 dB \$499

AX-47C 65-W/ch Integrated Amplifier

2 channels. 65 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.015% THD or 160 x 2 into 2 ohms. 6 audio inputs with 2 tape loops; 3 switched AC outlets; 3-way binding posts. Features antivibration antiresonance chassis; twin aluminum-extruded heat sinks; linear damping circuit; motor-driven input selector and volume control. Record-out selector; variable loudness control; Yamaha IS-system remote control. Signal-to-noise ratio 110 decibels. Dimensions: 17 1/8 x 5 7/8 x 15 3/8 in; weight: 21 lb \$399



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ACOUSTIC RESEARCH

Limited Model 200 200-W/ch Amplifier

2 channels. 200 W x 2 rms into 8 ohms with 0.2% THD. Switchable Class A/B design; brass-bar main-ground bus; multiple output transistors. Bridged-mono, balanced, and unbalanced outputs; gold-plated xLR and RCA connectors. Normal and parallel stereo switches. S/N 115 dB; slew rate 30 V/μs; damping factor 80. 19 x 7 3/4 x 20 1/4 in; 50 lb. \$3,200

ACURUS

Model 200X3 600-W Amplifier

3 channels. 200 W x 3. Features discrete circuitry; low-impedance drive capability; toroidal transformer. \$1,295

Model 100X3. As above, 100 W x 3. \$795

A250 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms or 350 x 2 into 4 ohms. Features Class A circuitry; bipolar-transistor output stage; glass-epoxy circuit board. \$995

A150. As above, 150 W x 2 into 8 ohms or 250 x 2 into 4 ohms. \$695

ADCOM

GFA-5800 250-W/ch Amplifier

2 channels. 250 W x 2. Features 32 discrete MOSFET output devices; thermally controlled forced-air cooling. \$1,500

GFA-555II 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms or 350 x 2 into 4 ohms. Features 1-ohm stability; low-negative-feedback design; constant damping factor; toroidal transformer; direct-coupled circuitry. FR 20-20,000 Hz; THD 0.04%; damping factor 800. \$850

GFA-2535 240-W Amplifier

3 or 4 channels. Designed for home-theater or custom installations. 60 W x 4 into 8 ohms or 60 x 2 + 200 x 1 into 8 ohms. THD 0.09%. 17 x 5 1/2 x 14 in; 32 lb. \$600

GFA-545II 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms or 150 x 2 into 4 ohms. Features 1-ohm stability; low-negative-feedback design; constant damping factor; toroidal transformer; direct-coupled circuitry. THD 0.04%. 17 x 5 1/2 x 12 1/2 in; 25 lb. \$550

GFA-535II 60-W/ch Amplifier

2 channels. 60 W x 2 into 8 ohms or 100 x 2 into 4 ohms. 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. THD 0.04%. 17 x 3 1/4 x 12 1/2 in. \$350

a/d/s/

PH6 750-W Amplifier

6, 5, 4, or 3 channels. Designed for multiroom and home-theater applications. 125 W/ch into 4 ohms from 20-20,000 Hz with 0.02% THD. Features 1-ohm stability; short-circuit protection with fault indicators for each channel; variable-speed fan cooling. Remote, manual, or signal-sensing power turn-on. S/N 90 dB at 1 W. 17 1/4 x 5 7/8 x 15 1/2 in. \$2,200

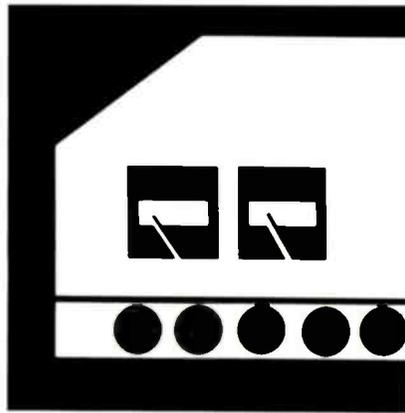
AIR TIGHT

ATM-3 100-W Tube Mono Amplifier

1 channel. 100 W x 1. Features 6CA7/EL34 tubes with triple push-pull configuration; linear/triode mode selector; bias meter; bias control system. FR 20-20,000 Hz ± 1 dB; THD 0.08% at 1,000 Hz; S/N 100 dB. \$10,500/pr

ATM-2 80-W/ch Tube Amplifier

2 channels. 80 W x 2 into 8 ohms. Features four KT88, two 12AX7A, two 12AU7A, and two 12BH7A tubes in output stages; OFC wiring; cathode-follower



direct-drive design; copper-plated chassis and bottom plate. CD-direct input. Bias adjuster. FR 20-20,000 Hz ± 1 dB; THD 0.07% at 1,000 Hz; S/N 100 dB. 16 3/8 x 8 7/8 x 15 1/4 in; 70.7 lb. \$6,995

ATM-1 36-W/ch Tube Amplifier

2 channels. 36 W x 2 into 8 ohms. Features four 6CA7 tubes in output stage; parallel-position 5A4R rectifier tubes; OFC wiring; Mullard phase inversion. CD-direct input. FR 20-20,000 Hz ± 1 dB; THD 0.1% at 1,000 Hz; S/N 100 dB. 14 3/4 x 9 1/4 x 11 3/4 in; 48.6 lb. \$3,995

AMC

CVT2100 80-W/ch Tube Amplifier

2 channels. 80 W x 2 into 8 ohms. Features Class AB1 tube output stage; custom output transformers; Class A input-driver stage; heat-management system. Balanced input optional. \$999

CVT2030 30-W/ch Tube Amplifier

2 channels. 30 W x 2 into 8 ohms. Features Class A tube output stage; custom output transformers; heat-management system; Class A input-driver stage. Balanced input optional. \$699

Model 2445 180-W Amplifier

4 channels. 45 W x 4, or 45 x 2 + 90 x 1, or 90 x 2 into 8 ohms. Frequency response 20-20,000 Hz ± 0.2 dB; total harmonic distortion 0.04%; signal-to-noise ratio 100 dBA at 1 W; damping factor 100. \$399

AMERICAN HYBRID TECHNOLOGY

AHT300 300-W Tube Mono Amplifier

1 channel. 300 W x 1 into 4/8 ohms. Available through custom-order only. 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. FR 10-100,000 Hz. \$30,000/pr

ARAGON BY MONDIAL DESIGNS

Palladium 100-W Mono Amplifier

1 channel. 100 W x 1 into 8 ohms, 600 x 1 into 4 ohms, or 800 x 1 into 2 ohms. Features Class A DC-coupled circuitry; dual-differential balanced design. matched output transistors. 19 x 6 1/2 x 14 in; 65 lb. \$2,000

Model 4004 MkII 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms, 400 x 2 into 4 ohms, or 700 x 2 into 2 ohms. Features dual-mono design; 2 power supplies; 2 toroidal transformers; quad-array transistor; Monster Cable output wiring. Gold-plated connectors. Signal-to-noise ratio 120 dB; damping factor 200. Dimensions: 19 x 6 1/2 x 14 in; weight: 65 pounds. \$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

D120.2 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms or 150 x 2 into 4 ohms. Features dual-mono configuration; separate power supplies and toroidal transformers. 21 lb. \$1,100

AUDIO BY VAN ALSTINE

FET-Valve 500hc 250-W/ch Tube Amplifier

2 channels. 250 W x 2 into 8 ohms. Features hybrid vacuum tube and Class A MOSFET trans-imp circuitry. THD 0.01%. 17 x 7 x 13 in; 38 lb. \$1,695

Omega II 440 220-W/ch Amplifier

2 channels. 220 W x 2 into 8 ohms. Active feedback design. THD 0.005%; slew rate 150 V/μs. 17 x 7 x 13 in; 38 lb. \$1,195

Omega II 200. As above, 90 W x 2 into 8 ohms. 26 lb. \$695

Super 70I 35-W/ch Tube Amplifier Kit

Do-it-yourself kit for original Dynaco St-70 power amplifier chassis. Features motherboard with B+ supply, bias supply, and Audio by Van Alstine audio circuits. 6GH8A driver tubes. \$200

AUDIO DESIGN ASSOCIATES

MPA-500 2,000-W Amplifier

5 channels. Designed for home theater systems. 400 W x 5. THX certification; separate power supply. Each chassis 5 1/4 x 19 x 16 1/2 in. \$6,195

BPA-500 500-W Mono Amplifier

1 channel. Designed for subwoofers. 500 W x 1. THX certification. 5 1/4 x 19 x 16 1/2 in. \$2,095

MPA-6 700-W Amplifier

6 channels. Designed for home theater systems. 90 W x 5 + 250 x 1 (subwoofer). Features 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. 5 1/4 x 19 x 16 1/2 in; 32 lb. \$1,680

PBA-150 200-W Mono Amplifier

1 channel. Designed for subwoofers. 200 W x 1 cont avg into 8 ohms from 20-200 Hz with 0.06% THD or 325 x 1 into 4 ohms. Features toroidal power transformer; fan cooling; fuse protection. LED power meter; variable level, frequency, and bandwidth controls. S/N 101 dB; slew rate 10 V/μs. 19 x 5 1/4 x 16 1/2 in; 32 lb. \$1,642

MPA-5 575-W Amplifier

5 channels. Designed for home-theater applications. 115 W x 5. 5-way binding posts. Variable input sens and LED power indicator for each channel. 5 1/4 x 19 x 16 1/2 in; 32 lb. \$1,622

PF-250 100-W/ch Amplifier

2 channels. 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. Features MOSFET circuitry; 2-ohm stability; toroidal transformer; fan cooling. LED power meter. S/N 95 dB; slew rate 15 V/μs. 19 x 5 1/4 x 16 1/2 in; 37 lb. \$1,619

PF-200 60-W/ch Amplifier

2 channels. 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. Features MOSFET circuitry; 1/2-ohm load capability; toroidal transformer; fan cooling; fuse protection. LED output meters. S/N 95 dB; slew rate 10 V/μs. \$1,395

PBA-50 50-W Mono Amplifier

1 channel. Designed for subwoofers. 50 W x 1 into 8 ohms from 20-20,000 Hz with 0.02% THD or 80 x 1 into 4 ohms. Features toroidal power transformer; fan cooling. Variable level, frequency, and bandwidth controls. LED power meter. S/N 104 dB; slew rate 10 V/μs. \$1,085

PT-100 25-W/ch Amplifier

2 channels. 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. Features toroidal power transformer; 2-ohm load capability; fan cooling; fuse protection. LED power meters; gain control. S/N 104 dB. 19 x 1 3/4 x 13 in; 10 lb\$1,085

AUDIOLAB

Model 8000P MkII 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms or 175 x 2 into 4 ohms. Features differential FET input design; toroidal transformer with split secondaries; bipolar output stage; electronic overload protection and muting; 2 inputs and outputs. FR 3-75,000 Hz; THD 0.05%; S/N 95 dB\$1,199

Model 8000M 125-W Mono Amplifier

1 channel. 125 watts x 1 into 8 ohms or 200 x 1 into 4 ohms. Features toroidal transformer; electronic overload protection. 2 inputs and outputs. Frequency response 1-75,000 Hz; total harmonic distortion 0.05%; signal-to-noise ratio 95 dB\$898

AUDIO NOTE

Gaku-On 45-W Tube Mono Amplifier

1 channel. 45 W x 1 cont avg into 8 ohms. 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; electrolytic capacitors; silver-foil capacitors; nonmagnetic tantalum-film resistors; copper chassis; original output valves; direct-heated 845-triode output stage. FR 10-40,000 Hz; slew rate 5 V/μs. 85 lb\$179,500/pr

Kegon 17-W/ch Tube Amplifier

2 channels. 17 W x 2 continuous average into 8 ohms. Features Class A parallel single-ended triode operation; zero feedback; tube-regulated power supply; hand-wound silver-wired output transformers; silver-wired circuits; electrolytic capacitors; silver-foil capacitors; nonmagnetic tantalum-film resistors; copper chassis; original Western Electric direct-heated 300B-triode output stage. Frequency response 10-40,000 Hz. Weight: 60 pounds\$89,500

Ongaku 27-W/ch Tube Amplifier

2 channels. 27 W x 2 cont avg into 8 ohms. Features Class A single-ended triode operation; General Electric 211/VT4C direct-heated triode output stage; hand-wound output transformers; silver-wired circuits; silver-foil capacitors; nonmagnetic tantalum-film resistors; original output valve\$62,500

Kakgeki 7.5-W/ch Tube Amplifier

2 channels. 7.5 W x 2 cont avg into 8 ohms. Features Class A triode operation; zero feedback; hand-wound silver output transformers; silver-wired circuits; nonmagnetic tantalum-film resistors; direct-heated triode stage with 2A3 tubes\$49,500

Kassai/Silver 17-W/ch Tube Amplifier

2 channels. 17 W x 2 cont avg into 8 ohms. Features Class A parallel single-ended triode operation; nonmagnetic tantalum film resistors; valve HT rectification; choke power supplies; direct-heated 300B-triode output stage; zero feedback; silver-wired circuits; copper chassis; handmade silver-foil signal capacitors. Input sens controls\$39,500
Kassal. As above, with paper-in-oil capacitors\$35,500

Neiro/Silver 7.5-W/ch Tube Amplifier

2 channels. 7.5 W x 2 cont avg into 8 ohms. Features Class A triode operation; zero feedback; parallel single-ended age-annealed OFC copper-wired output transformers; silver hand wiring; nonmagnetic tantalum-film resistors; direct-heated triode stage with 2A3 tubes; copper chassis; handmade silver-foil capacitors. FR 10-40,000 Hz; slew rate 8 V/μs. 55 lb\$18,500
Neiro. As above, paper-in-oil capacitors\$14,500

Tomel-P4 17-W/ch Tube Amplifier

2 channels. 17 W x 2 cont avg into 8 ohms. Features Class A single-ended triode operation; zero feedback; DHT single-ended operation, direct-heated 300B-triode output stage\$4,500

Meishu-P3 8.5-W/ch Tube Amplifier

2 channels. 8.5 W x 2 cont avg into 8 ohms. Features Class A parallel single-ended triode operation; power choke; valve-rectified supply; zero feedback; direct-heated 300B-triode output stage\$2,900

Soro-P2 17-W/ch Tube Amplifier

2 channels. 17 W x 2 cont avg into 8 ohms. Features parallel single-ended 6L6GC pentode circuitry; valve rectification; paper-in-oil signal capacitors\$2,495

P Zero 8-W/ch Tube Amplifier

2 channels. 8 W x 2 cont avg into 8 ohms. Features Class A output. 6L6GC pentode circuitry\$850

AUDIOPRISM

Debut 35-W/ch Tube Amplifier

2 channels. 35 W x 2 into 8 ohms with 0.5% THD. Features Class AB operation; mechanically and electronically isolated transformers; regulated voltage rails for filaments, input-gain stage, phase inverter, fixed bias source, and output stage; proprietary dual-winding power transformers with separate windings for each audio stage; EMI and RFI filtering; Gold Aero tubes. 5-way binding posts. Selectable output impedance. 17 1/2 x 7 1/8 x 15 1/2 in; 35 lb\$1,400

AUDIO RESEARCH

The following feature a 3-yr warranty.

M300 MkII 300-W Tube Mono Amplifier

1 channel. 300 W x 1 cont avg from 16-25,000 Hz into 2, 4, or 8 ohms with 0.05% THD. Features 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 cooling fans. Gold-plated inputs; output taps for 1, 2, 4, or 8 ohms. Standby switch; auto muting; front and rear carrying handles. S/N 90 dB\$5,495

D400 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms from 4-100,000 Hz. Features Class AB circuitry; dual-mono design; 40 multiple-emitter transistors in direct-coupled output stage; two separate transformers. XLR connectors; RCA inputs; brass outputs. Slew rate 50 V/μs. 19 x 9 x 17 3/4 in; 73 lb\$4,995

V140 120-W Tube Mono Amplifier

1 channel. 120 W x 1 cont into 16 ohms from 20-20,000 Hz with 1% THD. Features two 6FQ7 driver triodes; four KT90 output tubes; fully balanced circuit topology; J-FET[™] input stage with MOSFET followers; coaxial capacitors; patented cross-coupled circuit; fan cooling. Soft start-up and shut-down. Slew rate 17 V/μs. 19 x 8 3/4 x 15 3/4 in; 61 lb\$3,995

V70 60-W/ch Tube Amplifier

2 channels. 60 W x 2 cont into 16 ohms from 15-20,000 Hz with 1% THD. Features four 6FQ7 driver triodes; four KT90 output tubes; fully balanced circuit topology; coaxial capacitors; J-FET input stage with MOSFET followers; patented cross-coupled circuit; fan cooling. Soft start-up and shut-down. Slew rate 20 V/μs. 19 x 7 x 15 3/4 in; 63 lb\$3,995
V35. As above, 30 W x 2 cont into 16 ohms from 17-20,000 Hz with 1% THD. Features two 6FQ7 driver triodes; two KT90 output tubes. No fan cooling. Slew rate 15 V/μs. 19 x 7 x 14 1/2 in; 45 lb\$2,995

D300 160-W/ch Amplifier

2 channels. 160 W x 2 into 8 ohms or 300 x 1 into 4 ohms. Features solid-state topology; regulated power supply. RCA and XLR inputs. Slew rate 50 V/μs. 19 x 7 x 12 7/8 in; 48 lb\$3,995
D200. As above, 110 W x 2 into 8 ohms or 200 x 1 into 4 ohms. 19 x 5 1/4 x 11 1/8 in; 32.5 lb\$2,495

AUDIOSOURCE

AmP One 80-W/ch Amplifier

2 channels. 80 W x 2 cont avg into 8 ohms. Features MOSFET circuitry; toroidal power transformer; soft-clipping circuitry. Dual analog power-output meters; LR output-level controls. FR 20-20,000 Hz; THD 0.04%\$300

AUDIRE

The following feature a 3-yr warranty.

Parlando 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.02% THD. Features dual-mono design; Class A circuitry; 1-ohm stability. Balanced inputs. Slew rate 50 V/μs; damping factor 800 at 1,000 Hz. 19 x 8 3/4 x 18 1/2 in; 85 lb\$3,440

Otez 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms from 20-20,000 Hz with 0.03% THD. Features dual-mono design; Class A/AB circuitry; modular construction; one fuse per 2 output transistors; amplifier protection via current sensing devices outside of signal path. Balanced inputs. Combination circuit-breaker/power-switch. Slew rate 50 V/μs; damping factor 850 at 1,000 Hz. 19 x 8 3/4 x 18 1/2 in; 85 lb\$3,280

Tenendo 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms. Features dual-mono design; Class AB design; modular construction. Balanced inputs. Combination circuit-breaker/power-switch for each channel. FR 2-100,000 Hz - 1 dB; slew rate 50 V/μs; damping factor 700. 19 x 7 x 10 in; 50 lb\$1,980

Forte 125-W/ch Amplifier

2 channels. 125 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. Features dual-mono design; bipolar transistors. Balanced inputs. Slew rate 50 V/μs. 19 x 5 1/4 x 10 in; 41 lb\$1,250
 MOSFET version of above\$1,350

Crescendo 75-W/ch Amplifier

2 channels. 75 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD. Features bipolar transistors. Balanced inputs. Slew rate 45 V/μs; damping factor 300. 19 x 5 1/4 x 9 in; 22 lb\$700
 MOSFET version of above\$760

AYRE ACOUSTICS

V-3 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms. FET circuitry; inductor-input power supply; Schottky rectifiers; zero negative feedback; inductor-input filtering; fully balanced design. 17 x 5 1/4 x 14 in; 55 lb\$3,450

B&K COMPONENTS

Video-5 Sonata 525-W Amplifier

5 channels. Designed for home-theater or multiroom systems. 105 W x 5. Gold-plated connectors. Level controls. FR 5-45,000 Hz ± 3 dB; THD 0.09% at 1,000 Hz; S/N 90 dB; slew rate 20 V/μs; dynamic headroom 0.9 dB. 17 x 6 x 17 3/4 in; 40 lb\$1,298
AV-6000. As above, 105 W x 6\$1,298

EX-442 Sonata 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms or 400 x 2 into 4 ohms. Features dual-mono design; DC-coupled circuitry. Balanced inputs; gold-plated connectors. FR 1-45,000 Hz; THD 0.09% at 1,000 Hz; S/N 95 dB. 17 x 5 1/4 x 17 in; 40 lb\$998

M-200 Sonata 200-W Mono Amplifier

1 channel. 200 W x 1 into 8 ohms or 400 x 1 into 4 ohms. Features Class A predriver circuitry driving Class AB MOSFET output stage; toroidal transformers. Balanced inputs. FR 1-45,000 Hz; THD 0.09% at 1,000 Hz; S/N 95 dB; slew rate 14 V/μs; damping factor 750; dynamic headroom 1.4 dB. 17 x 5 1/4 x 17 in; 40 lb\$948



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HCA-1206 6/5/4 CHANNEL AMPLIFIER

Easily the most powerful THX® home cinema amplifier in the world. John Curl's design finally brings the realism of high-end to home theater.



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The Great Mother Of All Subwoofers. Technically and audibly, the most powerful and most accurate subwoofer ever made. Period.



P/LD-1500 LINE DRIVE PREAMPLIFIER

Classic John Curl topology. You'd have to spend at least 4 times as much to find a preamp with a design this elegant.



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An ST optical connector and 3 independent power supplies help to make digital sound so sweet that it's even converting vinyl die-hards. "Outstanding!", says *HiFi Vision* (Germany).



HCA-1200II HIGH CURRENT AMPLIFIER

John Curl's latest. THX[®]-certified and one of a family of five critically-acclaimed amplifiers.

We're Parasound and we believe that the basis of life is something more than a double-helix string of chemicals.

Sound extreme? Not if you see your audio system as the means to recreate an actual musical event. To recreate that living, breathing moment the band takes the stage and the magic begins.

You see, our products are built by people with a passion

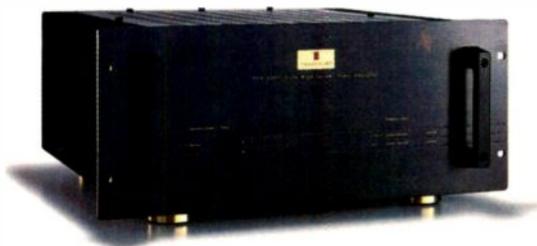
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VMR-6 360-W Amplifier

6 channels. 60 W x 6. Designed for home-theater or multiroom systems. Gold-plated connectors. Level controls. FR 5-45,000 Hz \pm 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. 200 W x 2 into 8 ohms. Balanced inputs. FR 5-45,000 Hz; THD 0.09%; S/N 95 dB; slew rate 14 V/ μ s; dynamic headroom 1.1 dB. 17 x 5 1/4 x 17 in; 32 lb \$798

ST-202 150-W/ch Amplifier

2 channels. 150 W x 2 into 8 ohms or 200 x 2 into 4 ohms. Features 4-ohm stability. Balanced inputs; gold-plated connectors. FR 5-45,000 Hz \pm 3 dB; THD 0.09%; S/N 95 dB; slew rate 14 V/ μ s; dynamic headroom 1.5 dB. 17 x 5 1/4 x 17 in; 30 lb \$698

ST-140 105-W/ch Amplifier

2 channels. 105 W x 2 into 8 ohms or 150 x 2 into 4 ohms. Features Class A design up to MOSFET output stage. Balanced inputs. FR 5-45,000 Hz; THD 0.09%; S/N 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. 60 W x 2 into 8 ohms. Features Class A predriver stage; Class AB MOSFET output stage. Balanced inputs. FR 5-45,000 Hz; THD 0.09% at 1,000 Hz; S/N 95 dB. 17 x 2 1/2 x 10 in; 15 lb \$398

BEAR LABS

Symphony No. 1 MkII 180-W/ch Amplifier

2 channels. Hand made when commissioned. 180 W x 2 or 700 x 1 into 8 ohms. Features high-bias Class AB operation; 45-W Class A output; dual 2,500-VA power transformers; 500,000- μ F power-supply filter; doubled heatsink; fully complementary precision-balanced DC-coupled circuitry; FET and bipolar input devices; fully complementary dual-differential cascode input section; no servos; AC- and DC-coupled inputs; 12 MOSFET output devices per channel; metal-film resistors; polypropylene capacitors; military-spec silver-plated Teflon-insulated wiring; silver-bearing solder; pure-silver input wire; soft-start circuitry; machined and anodized aluminum chassis; military-spec aluminum transit case. Gold-plated RCA inputs; gold-plated biwire outputs. Backlit front-panel display. THD 0.0025% at 1,000 Hz; slew rate 25 V/ μ s. 19 x 8 1/2 x 24 in; 128 lb \$14,330
Above with balanced inputs \$14,780

BEDINI

BA-903 250-W/ch Amplifier

2 channels. 250 W x 2 cont avg into 8 ohms or 500 x 1 cont avg into 4 ohms. Features solid-state technology. FR 20-20,000 Hz; THD 0.1% into 8 ohms; S/N 105 dB; slew rate 55 V/ μ s; damping factor 500; dynamic headroom 3 dB. 19 x 7 1/2 x 18 3/4 in; 66 lb \$3,250
BA-901 As above, 120 W x 2 cont avg into 8 ohms or 240 x 1 cont avg into 4 ohms. 19 x 5 1/4 x 14 1/2 in; 33 lb \$1,750

BERNING

EA-2101 100-W/ch Tube Amplifier

2 channels. 100 W x 2 cont avg into 8 ohms. Features triode vacuum tubes; regulated power supply; voltage protection; 4 output transformer windings per channel. FR 10-60,000 Hz \pm 1.5 dB; THD 0.2%; S/N 100 dB. 19 x 5 1/4 x 19 in; 40 lb \$4,290

BGW SYSTEMS

Performance Series 4 400-W/ch Amplifier

2 channels. 400 W x 2 into 8 ohms, 600 x 2 into 4 ohms, or 1,200 x 1 into 8 ohms. Features selectable clipping eliminator; welded steel chassis; forced-air cooling. XLR and phone-jack balanced inputs; 5-way binding posts. 19 x 3 1/2 x 18 in; 53 lb \$NA

SPA-3 750-W Amplifier

3 channels. 250 W x 3 into 8 ohms or 300 x 3 into 4 ohms. Features digital attenuators; 24-dB/octave crossovers; adjustable high-pass filter; magnetic circuit breaker. Parametric EQ; 2 adjustable delays. S/N 100 dB. 19 x 5 1/4 x 13 1/8 in; 48 lb \$2,599

GTA-06 Grand Touring 350-W/ch Amplifier

2 channels. 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. Welded steel chassis; dual power supplies; solid-state DC speaker protection; fan cooling. Transformer-isolated inputs; XLR and phone-jack inputs; 5-way binding posts. Switchable subsonic filter. FR 20-20,000 Hz \pm 0.2 dB; slew rate 20 V/ μ s; damping factor 500. 17 1/2 x 5 1/4 x 14 1/2 in; 83 lb \$2,299

GTA. As above, inputs active balanced instead of transformer isolated \$2,199

GTA-15. 2-way 18-dB/oct crossover card for GTA-06 or GTA \$99

SPA-2 300-W/ch Amplifier

2 channels. 300 W x 2 into 8 ohms or 400 x 2 into 4 ohms. Features digital attenuators; 24-dB/octave crossovers; adjustable high-pass filter; magnetic circuit breaker. Parametric EQ; adjustable delay line. 19 x 5 1/2 x 13 1/8 in; 42 lb \$2,199

GTC Grand Touring 325-W/ch Amplifier

2 channels. 325 W x 2 into 8 ohms with 0.1% THD, 550 x 2 into 4 ohms with 0.15% THD, or 1,100 x 1 into 8 ohms with 0.25% THD. Features Class AB operation; looping XLRs with ground lift; variable-speed forced-air cooling; DC speaker protection; toroidal power transformer; thermal protection sensor; switchable speaker-protection filter; magnetic circuit breaker. Active balanced inputs; 5-way binding posts; Neutrik Speakon output. 2 LED clip indicators. FR 20-20,000 Hz \pm 0.2 dB; slew rate 20 V/ μ s; damping factor 500. 17 1/2 x 3 1/2 x 15 1/2 in; 45 lb \$2,099

SPA-1 600-W/ch Amplifier

2 channels. 600 W x 2 into 2 ohms or 1,200 x 1 into 4 ohms. Features low-frequency signal processing; digital attenuators; 24-dB/octave crossovers; forced-air cooling; adjustable high-pass filter; magnetic circuit breaker. Parametric EQ; adjustable delay. 19 x 5 1/4 x 13 3/4 in; 51 lb \$1,999

Model 750G-06 300-W/ch Amplifier

2 channels. 300 W x 2 into 8 ohms, 450 x 2 into 4 ohms, or 900 x 1 into 8 ohms. Features speaker protection; defeatable cooling fan. Transformer-isolated inputs; XLR and phone-jack inputs; 5-way binding posts. LED display and status indicators; switchable subsonic filter. 19 x 7 x 13 in; 61 lb \$1,949
Model 750G. As above, inputs active balanced instead of transformer isolated \$1,849

Model 750F-06 450-W/ch Amplifier

2 channels. 450 W x 2 into 4 ohms or 900 x 1 into 8 ohms. Speaker protection; defeatable fan cooling. Transformer-isolated inputs; XLR and phone-jack inputs; 5-way binding posts. Status indicators; switchable subsonic filter. 19 x 7 x 13 in; 61 lb \$1,799
Model 750F. As above, inputs active balanced instead of transformer isolated \$1,699

GTB-06 Grand Touring 300-W/ch Amplifier

2 channels. 300 W x 2 into 8 ohms, 400 x 2 into 4 ohms, or 800 x 2 into 2 ohms. Features forced-air cooling; modular construction; DC speaker protection. Transformer-isolated inputs; XLR and phone-jack input; 5-way binding posts. FR 20-20,000 Hz \pm 0.2 dB; slew rate 20 V/ μ s; damping factor 500 \$1,639
GTB. As above, inputs active balanced instead of transformer isolated \$1,539
GTB-15. 2-way 18-dB/oct crossover card for GTB-06 or GTB \$99

Model 350A-06 Series 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms, 325 x 2 into 4 ohms, or 600 x 1 into 8 ohms. Features discrete circuitry; low-feedback design; DC speaker protec-

tion; magnetic circuit breaker. Transformer-isolated inputs; XLR and phone-jack inputs; 5-way binding posts. LED display and status indicators; modulation and clip indicators; switchable subsonic filter. FR 20-20,000 Hz \pm 0.2 dB; slew rate 20 V/ μ s; damping factor 400. Gold and black finish. 19 x 5 1/4 x 10 7/8 in; 34 lb \$1,449

Model 350A. As Model 350A-06, inputs active balanced instead of transformer isolated \$1,349

Model 350-06. As Model 350A-06, without LED display or status indicators \$1,299

Model 350. As Model 350-06, inputs active balanced instead of transformer isolated \$1,199

Model 8500T 300-W/ch Amplifier

2 channels. 300 W x 2 into 8 ohms or 450 x 2 into 4 ohms. Features speaker protection. Barrier-strip inputs/outputs; phone-jack inputs. Gain controls; bridging switch. FR 3-85,000 Hz \pm 0.3 dB; damping factor 300. 19 x 5 1/4 x 13 3/4 in; 56 lb \$1,299
OPT-15. 2-way 18-dB/oct crossover card for above \$99

Model 200-09 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms or 200 x 1 into 16 ohms. Features short-circuit protection; toroidal power transformer; magnetic circuit breaker/power switch; external plug-in transformers and wiring. XLR and phone-jack inputs; active balanced inputs; 5-way binding posts. Clipping and signal-presence indicators. FR 20-20,000 Hz \pm 0.25 dB; damping factor 400. 19 x 1 3/4 x 11 in; 14 lb \$1,169
Model 200. As above, without external plug-in transformers and wiring \$999

Performance Series 2 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms, 300 x 2 into 4 ohms, or 600 x 1 into 8 ohms. Features forced-air cooling; steel chassis. Active balanced inputs; XLR and phone-jack inputs; 5-way binding posts. FR 8-175,000 Hz \pm 0.3 dB; THD 0.1% into 8 ohms. 19 x 3 1/2 x 13 1/2 in; 37 lb \$929
Performance Series 1. As above, 100 W x 2 into 8 ohms, 150 x 2 into 4 ohms, or 300 x 1 into 8 ohms. 32 lb \$799

Model 7500T 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms or 300 x 2 into 4 ohms. Features speaker protection. Barrier-strip inputs/outputs; phone-jack input. Gain controls; bridging switch. FR 3-85,000 Hz \pm 0.3 dB; damping factor 300. 19 x 5 1/4 x 13 in; 40 lb \$849
OPT-15. 2-way 18-dB/oct crossover card for above \$99

Model 85-06 35-W/ch Amplifier

2 channels. 35 W x 2 into 8 ohms, 45 x 2 into 4 ohms, or 90 x 1 into 8 ohms. Features low-feedback discrete circuitry; modular construction; welded steel chassis; toroidal power transformer; magnetic circuit breaker/power switch. Transformer-isolated inputs; XLR and phone-jack inputs; headphone jack. Mono/stereo switch. FR 20-20,000 Hz \pm 0.25 dB; damping factor 300. 19 x 1 3/4 x 11 1/2 in; 14 lb \$699
Model 85-01. As above, inputs active balanced instead of transformer isolated \$599
Model 85. As Model 85-06, without transformer-isolated or XLR inputs \$529

Model 6500T 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms, 150 x 2 into 4 ohms, or 250 x 1 into 8 ohms. Features speaker protection. Barrier-strip inputs/outputs; phone-jack input. Gain controls; bridging switch. FR 3-100,000 \pm 0.3 dB; damping factor 200. 19 x 3 1/2 x 13 in; 30 lb \$599
OPT-15. 2-way 18-dB/oct crossover card for above \$99

BIC AMERICA

Venturi SW100 100-W Mono Amplifier

1 channel. 100 W x 1. Features high-pass filter; active crossover at 85 Hz. Speaker- and line-level inputs and outputs. Black \$329

THE IDEAL AMPLIFIER FOR SUPERIOR SOUND SYSTEMS



Bryston's

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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20 YEAR WARRANTY - A GENERATION OF MUSIC

BOULDER

The following feature a 5-yr warranty.

Boulder 500 150-W/ch Amplifier

2 channels. 150 W x 2 into 8 ohms, 250 x 2 into 4 ohms, or 500 x 1 into 8 ohms. Features 2-stage design; toroidal power transformer; shielded power cord; short-circuit, DC-offset, and thermal protections; 110/220-V AC operation. LED indicators; output-level controls. THD 0.005%; slew rate 35 V/ μ s stereo, 70 V/ μ s mono. 17 x 5 1/4 x 15 1/2 in. \$5,500
Boulder 500AE. As above, with balanced inputs. Without LEDs or level controls. \$4,350
 International version of Boulder 500AE for 110/220-V AC at 50/60 Hz. \$4,450

Boulder 250AE 75-W/ch Amplifier

2 channels. 75 W x 2 into 8 ohms, 125 x 2 into 4 ohms, or 250 x 1 into 8 ohms. Features 2-stage design; ground referencing at preamplifier; clip-detection circuitry; 110/220-V AC operation. Balanced inputs. THD 0.005%, slew rate 25 V/ μ s stereo, 50 V/ μ s mono. 17 x 5 1/4 x 15 1/2 in; 30 lb. \$2,850

Boulder 102AE 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms. Features 2-stage design; discrete circuitry; toroidal power transformer. Gold-plated connectors. Voltage and current clipping indicators. THD 0.005%. \$2,625

BRUCE MOORE AUDIO DESIGN

Dual 50-W/ch Tube Amplifier

2 channels. 50 W x 2 from 10-100,000 Hz with 0.3% THD. Features partial-triode Class AB design; triode switching. Damping factor 16. \$NA

M125 Custom 225-W Tube Mono Amplifier

1 channel. 225 W x 1 (partial triode) or 125 x 1 (full triode) from 10-100,000 Hz with 0.3% THD. Features Class AB/quasi-Class A design; hand wiring. Triode switching. Damping factor 16. \$8,900/pr

M225 125-W Tube Mono Amplifier

1 channel. 125 W x 1 (partial triode) or 65 x 1 (full triode) from 10-100,000 Hz with 0.25% THD. Features Class AB/quasi-Class A design; hand wiring. Triode switching. Damping factor 16. \$6,600/pr

Dual Sixty 60-W/ch Amplifier

2 channels. 30 W x 2 from 10-100,000 Hz with 0.25% THD. Features partial-triode Class AB design; no phase inversion. Ch sep 80 dB at 1,000 Hz; damping factor 16. \$2,195

BRYSTON

The following feature a 20-yr parts-and-labor warranty. Models 7B, 3B, and 2B feature a ground-lift switch to separate system and audio grounds. Models 3B NRB, 4B NRB, 7B NRB, and 8B NRB are all available in THX versions.

Model 8B NRB 400-W/ch Amplifier

2 channels. 400 W x 2. Slew rate 60 V/ μ s; damping factor 500. 19 x 5 1/4 x 15 1/2 in. \$2,695

Model 4B NRB 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD. Features dual power supplies with multiple filter capacitors; 2,496-square-in heat sink; soft-start circuitry; input buffer. Gold-plated connectors; balanced XLR and unbalanced RCA inputs. LED indicators; mono/stereo switch. Slew rate 60 V/ μ s. 19 x 5 1/4 x 15 1/2 in; 42 lb. \$2,295

Model 7B NRB 500-W Mono Amplifier

1 channel. 500 W x 1 from 20-20,000 Hz with 0.01% THD. Features toroidal transformers; soft-start circuitry; 2,496-square-in heat sink. Gold-plated balanced-XLR and unbalanced-RCA inputs. Series/parallel switch. Slew rate 60 V/ μ s parallel, 120 V/ μ s bridged; damping factor 300 at 20,000 Hz into 8 ohms. 19 x 5 1/4 x 15 1/2 in; 42 lb. \$2,195

Model 3B NRB 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD. Features dual power supplies; quad-complementary output section; 1,248-square-in heat sink. Gold-plated RCA and XLR inputs. Mono/stereo switch; LED indicators. Slew rate 60 V/ μ s; damping factor 500 at 20 Hz into 8 ohms. 19 x 5 1/4 x 9 in; 28 lb. \$1,395

Model 2B-LP 50-W/ch Amplifier

2 channels. 50 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD. Features dual power supplies; 615-square-in heat sink; 1% metal-film resistors; polystyrene capacitors; discrete circuitry. Gold-plated 5-way binding posts and RCA connectors. Mono/stereo switch; LED indicators. Slew rate 60 V/ μ s. 19 x 1 3/4 x 10 in; 48.3 lb. \$750

CAMBRIDGE AUDIO

A100 110-W/ch Amplifier

2 channels. 110 W x 2 into 8 ohms. Features dual-mono design; two toroidal transformers coupled with four reservoir capacitors; high-pass filter input. Gold-plated inputs; 5-way binding posts. FR 3-82,000 Hz \pm 3 dB; THD 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

TFM-75 750-W/ch Amplifier

2 channels. 750 W x 2 into 8 ohms or 1,000 x 2 into 4 ohms from 20-20,000 Hz with 0.1% THD. Features dual-mono solid-state design with 2 separate AC power cords; regulated power supply with semi-toroidal transformer for each channel; amplifier and speaker overload protections; fan cooling. 2 analog power meters; clipping indicators; variable L/R input-sens controls; power switch for each channel. S/N 100 dB. 19 x 5 1/4 x 13 in; 48 lb. \$2,000

AVX-606 750-W Amplifier

6 channels. 125 W x 6 into 8 ohms or 400 x 2 + 125 x 2. Features THX certification. Variable input sens for each channel; bridging via rear-panel switches; LED status indicators for each channel. \$1,500

Silver 9-t MkII 550-W Mono Amplifier

1 channel. 550 W x 1 into 8 ohms or 900 x 1 into 4 ohms from 20-20,000 Hz with 0.5% THD. Features solid-state design with transfer function modified for vacuum-tube sound characteristics; shock-isolation mounting; regulated power supply; speaker and amplifier overload protections. Illuminated analog power meter. 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. 380 W x 2 into 8 ohms or 600 x 2 into 4 ohms from 20-20,000 Hz with 0.5% THD. Features solid-state design with transfer function modified for vacuum-tube sound characteristics; regulated power supply; amplifier and speaker overload protections. Two analog power meters with switchable range; variable L/R input-sens controls. 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. S/N 98 dB. 19 x 4 1/2 x 14 1/2 in. \$700

AV-634 240-W Amplifier

4 channels. 60 W x 4 into 8 ohms, 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. Designed for multiroom, home theater, or subwoofer/satellite systems. Features 18-dB/oct active crossover at 80, 100, or 150 Hz; input-sens controls for all channels. 19 x 3 7/8 x 11 7/8 in \$600

TFM-15cb 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms or 140 x 2 into 4 ohms from 20-20,000 Hz with 0.1% THD. Features amplifier and speaker overload protections. Daisychain capability; A/B speaker switching; L/R input-sens controls; 2 analog power meters with switchable range. S/N 100 dB. 19 x 4 x 13 7/8 in. \$430

TFM-6cb 65-W/ch Amplifier

2 channels. 65 W x 2 into 8 ohms or 100 x 2 into 4 ohms from 20-20,000 Hz with 0.1% THD. Daisychain capability; L/R input-sens controls; A/B speaker switching. S/N 110 dB. 19 x 1 3/4 x 13 in. \$300

CELLO

Performance II 200-W Mono Amplifier

1 channel. 200 W x 1. Features separate power supply; 40 output devices; dual-choke power supplies; 2 electrically conductive heat-sink tunnels cooled by 2 fans per chassis. \$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 3/4 in; 95 lb. \$7,500

Encore 50-W Mono Amplifier

1 channel. Features dual-choke power supply; nickel-plated copper heat sinks. \$6,000/pr
 2-channel version of above. \$6,000
 Bridging kit for above. \$325

CLASSE AUDIO

The following are available in satin black or soft shadow silver.

Classé One-Thousand 1,000-W Mono Amplifier

1 channel. 1,000 W x 1 into 8 ohms or 2,000 x 1 into 4 ohms. Features polystyrene and polypropylene capacitors; toroidal transformer. Balanced and single-ended inputs. FR 20-20,000 Hz \pm 1 dB; THD 0.1%; S/N 100 dB. 19 x 21 x 8 in. \$4,495
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. \$3,495

Classé Twenty-Five 250-W/ch Amplifier

2 channels. 250 W x 2 or 1,000 x 1 into 8 ohms. Features polystyrene and polypropylene capacitors; toroidal transformer. Balanced and single-ended inputs. FR 20-20,000 Hz \pm 1 dB; THD 0.1%; S/N 100 dB. 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. \$1,195

CODA

Coda Amplifier 20 200-W/ch Amplifier

2 channels. 200 W x 2 cont avg into 8 ohms from 20-20,000 Hz. Features no overall feedback; DC-coupled design; standby circuit; independent rectification and supply capacitors; double-sided gold-plated circuit boards; anodized chassis. Selectable balanced/unbalanced inputs; FET input with bipolar current gain. FR 100,000 Hz \pm 3 dB; THD 0.1% into 8 ohms; S/N 100 dB; slew rate 50 V/ μ s. 10-yr warranty/5-yr transferable. 19 x 7 x 19 in; 85 lb. \$4,700
Coda Amplifier 10. As above, 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz. 19 x 3 1/2 x 12 1/2 in; 35 lb. \$2,350

CONRAD-JOHNSON

Premier Eight-A 275-W Tube Mono Amplifier

1 channel. 275 W x 1 into 8 ohms. Features polypropylene power-supply capacitors; proprietary trans-spectral output transformers with signal pass-band beyond 500 kilohms. LED bias indicators. 19 x 9 1/2 x 20 in; 85 lb. \$6,995

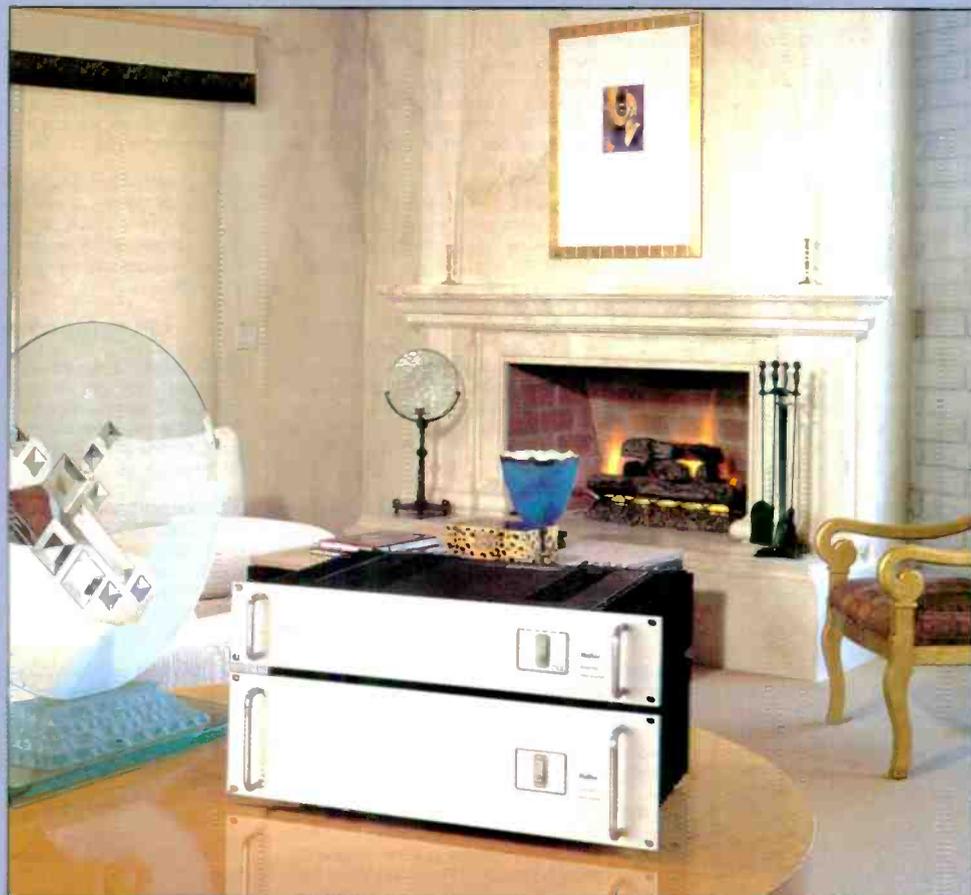
Evolution 2000-A 200-W/ch Tube Amplifier

2 channels. 200 W x 2 into 8 ohms. Features hybrid design with tube driver stage; zero feedback. MOS-FET output. 125 lb. \$5,795

Premier Twelve 140-W Tube Mono Amplifier

1 channel. 140 W x 1. Features polystyrene capaci-

T R A N S • N O V A A M P L I F I E R S



"The Hafler 9300 THX has earned a Class B rating in the April 1993 issue of *Stereophile's* Recommended components. It is one of the least expensive components in Class B power amplifiers!"

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High End Show
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Referring to the 9300 THX "...image focus is exceptionally good. You get a wide deep soundstage, but it is not a vague presentation. Instrumentalists are precisely located. All very, very fine."

— Sam Tellig

Stereophile, May 1993
Vol. 15, No. 5

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Stereophile, April 1993
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MODEL
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tors. LED bias indicators. 40 lb \$3,295
Premier Eleven. Stereo version of Premier Twelve, 70 W x 2 into 8 ohms. 40 lb \$3,295

MF2300 250-W/ch Amplifier

2 channels. 250 W x 2 cont avg from 20-20,000 Hz with 1% THD. Features MOSFET low-feedback design; polystyrene and polypropylene capacitors. J-FET input stage. S/N 98 dB. 19 x 6 $\frac{3}{4}$ x 17 in; 80 lb. \$2,795
MF2200. As above, 200 W x 2 into 8 ohms. 19 x 5 $\frac{1}{4}$ x 17 in; 69 lb \$1,995
MF2100. As MF2300, 100 W x 2 into 8 ohms. Bipolar output stage. 19 x 4 $\frac{3}{8}$ x 14 in; 40 lb \$1,495

MV52 45-W/ch Amplifier

2 channels. 45 W x 2 cont avg into 8 ohms. Features polystyrene capacitors. LED bias indicators. S/N 94 dB. 19 x 9 x 20 $\frac{1}{2}$ in; 40 lb \$1,995

COUNTERPOINT

Natural Progression 150-W Tube Mono Amplifier

1 channel. 150 W x 1 into 8 ohms. Features 1,000-V transformer; protection circuitry outside signal path; copper-plated chassis. Frequency response 1-200,000 Hz; total harmonic distortion 0.02%; signal-to-noise ratio 90 dB. 19 x 6 $\frac{3}{4}$ x 19 in; 85 lb \$7,595/pr

SA-4 160-W Tube Mono Amplifier

1 channel. 160 W x 1 into 8 ohms. Features eight 6LF6 tubes; output without transformers or capacitors; servo feedback loop to reduce DC and low-frequency offsets. Adjustable bias. FR 0.8-100,000 Hz; THD 0.06%; S/N 92 dB. 19 x 6 $\frac{3}{4}$ x 19 in; 59 lb \$6,595/pr

SA-220 220-W/ch Tube Amplifier

2 channels. 220 W x 2 into 8 ohms or 700 x 1 into 8 ohms. Features hybrid design with tube input stage and MOSFET output stage; protection circuitry outside signal path; 1,000-V transformer; copper-plated chassis; 1-ohm stability. Frequency response 1.2-200,000 Hz; total harmonic distortion 0.02%; signal-to-noise ratio 84 dB. 19 x 6 $\frac{3}{4}$ x 19 in; 69 lb \$2,995

SA-100 100-W/ch Tube Amplifier

2 channels. 100 W x 2 into 8 ohms. Features hybrid design with tube input stage and MOSFET output stage; copper-plated chassis; 1,000-V transformer; 2-ohm stability. FR 5-100,000 Hz; THD 1.0%; S/N 92 dB; dynamic headroom 3 dB. 19 x 4 $\frac{1}{2}$ x 12 $\frac{1}{4}$ in; 28 lb \$1,495

Solid-1 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms or 170 x 2 into 4 ohms. Features FET signal path; 2-ohm stability; bipolar technology. Dynamic headroom 3 dB. Black or silver finish. 3-yr warranty. 19 x 4 $\frac{1}{2}$ x 10 $\frac{1}{2}$ in; 18 lb \$1,195

CROWN INTERNATIONAL

Macro Reference 760-W/ch Amplifier

2 channels. 760 W x 2 into 8 ohms, 1,160 x 2 into 4 ohms, or 1,500 x 2 into 2 ohms. Features grounded bridge circuitry; output protection; regulated cooling system. Selectable-range output-level meter; bridged- and parallel-mono modes; distortion, protection, and signal-presence indicators; level control. FR 20-20,000 Hz \pm 0.1 dB; S/N 115 dB; damping factor 20,000. 19 x 7 x 16 in; 56.5 lb \$3,995

DB SYSTEMS

DB-6A 40-W/ch Amplifier

2 channels. 40 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.003% THD. Features 1-ohm stability; 12-dB/oct infrasonic filter. Clipping LEDs. FR 20-40,000 Hz +0, -1 dB; S/N 112 dB; slew rate 15 V/ μ s; damping factor 400 from 20-1,000 Hz. 16 x 4 $\frac{7}{8}$ x 12 $\frac{3}{4}$ 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

Conversion of DB-6A to DB-6A-M \$39

DB-6A-M(2). Pair of DB-6A-M \$1,545

DENON

POA-S1 250-W Mono Amplifier

1 channel. 250 W x 1 into 8 ohms from 20-20,000 Hz with 0.05% THD, 500 x 1 into 4 ohms, 1,000 x 1 into 2 ohms, or 1,400 x 1 into 1 ohm. Features single-channel amplification via 2 separate amplifiers in balanced-bridged mode; 2 complementary power MOSFET transistors in cascade with 24 bipolar devices for each amplifier; dual toroidal transformers with direct coupling to one pair of chassis feet for mechanical grounding; cast heat sink with bonded copper plates directly connected to other foot pair; cast machined chassis; electronically controlled MOSFET power transistors for power supplies. Balanced and unbalanced inputs. S/N 120 dBA. 19 x 10 $\frac{1}{8}$ x 27 in; 198 lb \$20,000

POA-3000RG 250-W/ch Amplifier

2 channels. 250 W x 2 or 500 x 1 into 8 ohms from 20-20,000 Hz with 0.05% THD. Features 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. S/N 121 dBA \$4,000

POA-5000 400-W Amplifier

6, 5, 4, or 3 channels. 100 W x 2 + 50 x 4, all into 8 ohms from 20-20,000 Hz. 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. Remote turn-on from Denon preamps. THD 0.02%; S/N 118 dBA \$1,500

POA-2800 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms from 20-20,000 Hz with 0.01% THD. Features optically coupled Class A MOSFET circuitry; dual power supplies with toroidal transformers. Remote turn-on from Denon preamps; A/B speaker switching. S/N 123 dBA \$850

POA-800 50-W/ch Amplifier

2 channels. 50 W x 2 or 120 x 1 into 8 ohms. Features discrete circuitry. 3-way speaker outputs. Peak-level indicator; remote turn-on from Denon preamps. THD 0.05% \$350

DON J. COCHRAN

Delta Mode II 200-W Tube Mono Amplifier

1 channel. 200 W x 1 cont avg into 8 ohms. Features hybrid MOSFET/vacuum tube design; 2-sided glass-epoxy circuit boards; direct coupling; buffered inputs; dual transformers; magnetic circuit breaker; thermal protection. RCA phono, XLR, and screw-terminal connectors. LED indicator. THD 0.07%; S/N 100 dB; slew rate 65 V/ μ s. 17 x 5 $\frac{1}{4}$ x 8 $\frac{1}{2}$ in \$6,800/pr

DYNACO

The following feature gold-plated connectors and a 3-yr warranty.

Stereo 80 40-W/ch Tube Amplifier

2 channels. 40 W x 2 into 4, 8, or 16 ohms or 80 x 1 with 0.25 THD. Features switchable pentode/triode operation. 17 x 5 $\frac{1}{4}$ x 12 $\frac{1}{4}$ in; 35 lb \$1,095

Stereo 400 Series II 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms, 300 x 2 into 4 ohms, or 600 x 1 into 8 ohms from 20-20,000 Hz with

0.05% THD. Features Class AB operation; 16 bipolar output transistors; toroidal transformer. Current selector. S/N 125 dB; damping factor 120. 17 x 3 $\frac{1}{2}$ x 12 $\frac{1}{4}$ in; 29 lb \$795

Stereo 200 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms, 150 x 2 into 4 ohms, or 300 x 1 into 8 ohms from 20-20,000 Hz with 0.05% THD. Features Class AB operation; 8 bipolar output transistors; toroidal transformer. S/N 125 dB; damping factor 120. 17 x 3 x 12 $\frac{1}{4}$ in; 22 lb \$595

Stereo 140 70-W/ch Amplifier

2 channels. 70 W x 2 into 8 ohms, 110 x 2 into 4 ohms, or 210 x 1 from 20-20,000 with 0.05% THD. Features Class AB operation; 4 bipolar output transistors; toroidal transformer. S/N 110 dB; damping factor 100 \$395

ELECTROCOMPANET

AW-20 100-W/ch Amplifier

2 channels. 20th-anniversary model sold only with the EC-20 preamplifier (see Preamplifiers). 100 W x 2. Features fully balanced dual-mono design. Norwegian Labrodite stone face panels; gold lettering. With EC-20 preamplifier \$6,000

AW-250 DMB 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms, 380 x 2 into 4 ohms, 625 x 2 into 2 ohms, 850 x 2 into 1 ohm, or 1,100 x 2 into $\frac{1}{2}$ ohm, all with 0.2% THD. Features Class A operation up to 30 W; two toroidal transformers. Gold-plated connectors; RCA and XLR inputs. 1 $\frac{1}{8}$ x 12 $\frac{1}{2}$ x 8 $\frac{1}{8}$ in; 65 lb \$3,999

AW-100 DMB 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms, 180 x 2 into 4 ohms, or 305 x 2 into 2 ohms, all with 0.2% THD. Features Class A operation up to 20 W; auto-reset thermostat. RCA and XLR inputs; gold-plated speaker outputs. 1 $\frac{1}{8}$ x 5 $\frac{1}{4}$ x 14 $\frac{1}{4}$ in; 35 lb \$1,999

ELECTRONIC VISIONARY SYSTEMS

M-180B 180-W Mono Amplifier

1 channel. 180 x 1 into 8 ohms. Features balanced operation; balanced 24-position attenuators; dual power supplies; 520-W toroidal transformer; hand wiring; Vishay resistors; MIT caps; damped chassis; regulated input stage. OFC inputs. 30 lb \$2,450/pr
 Above without 24-position attenuators \$2,200/pr
M-180. As M-180B, no balanced operation \$2,150/pr
 M-180 without 24-position attenuators \$2,000/pr

S-180 90-W/ch Amplifier

2 channels. 90 W x 2 cont avg into 8 ohms. Features dual power supplies; 24-position attenuators; 520-W toroidal transformer; hand wiring; Vishay resistors; MIT caps; damped chassis; regulated input stage. OFC input jacks. 30 lb \$1,250/pr
 Above without 24-position attenuators \$1,100/pr

FORTE

F6 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms from 0-20,000 Hz with 0.1% THD. Features IGBT output transistors; FET/bipolar front end; Class A/AB gain stages; glass-epoxy circuit boards; toroidal power transformer. Gold-plated connectors. Slew rate 50 V/ μ s. 17 x 6 $\frac{3}{4}$ x 9 $\frac{1}{4}$ in; 33 lb \$1,690
 F5. As above, 100 W x 2 into 8 ohms from 0-20,000



Dynaco Stereo 400 Series II

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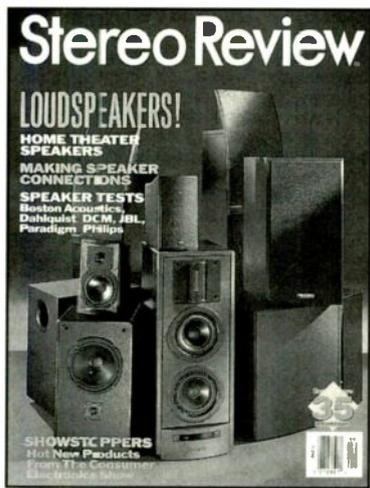
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F4. As F6, 50 W x 2 into 8 ohms from 0-20,000 Hz with 0.1% THD. Features Class A output stage. 17 x 6 3/4 x 9 1/4 in; 33 lb \$1,590

FT-1 485-W Amplifier

5 channels. 125 W x 3 + 55 x 2, all into 8 ohms from 20-20,000 Hz with 0.15% THD. Features IGBT output transistors; FET input stage. FR 3-50,000 Hz \pm 1 dB \$1,550

FOSGATE-AUDIONICS

Model 4200 500-W Amplifier

4 channels. 125 W x 4 or 400 x 2 into 8 ohms; 200 x 4 or 600 x 2 into 4 ohms. Features THX certification. FR 20-20,000 Hz \pm 1 dB \$1,899

Model 4125 280-W Amplifier

4 channels. 70 W x 4 or 200 x 2 into 8 ohms; 110 x 4 or 270 x 2 into 4 ohms. Features THX certification. FR 20-20,000 Hz \pm 1 dB \$1,099

M-60 MkII 35-W Mono Amplifier

1 channel. 35 W x 1 into 8 ohms or 60 x 1 into 4 ohms with 0.2% THD. Designed for center channel in home theater system. Features fully complementary discrete circuit design. Input-level control. Frequency response 20-20,000 Hz \pm 1 dB. Dimensions: 8 1/2 x 2 3/4 x 7 1/2 in; weight: 6 pounds \$219

HAFLER

Transnova 9505S 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms, 750 x 1 into 8 ohms, or 375 x 2 into 4 ohms. XLR and RCA inputs. Slew rate 150 V/ μ s; damping factor 1,000 at 1,000 Hz. Rack mountable; silver \$2,200

Transnova 9505. Above in black. Not rack mountable \$2,000

Transnova 9500S 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms, 750 x 1 into 8 ohms, or 375 x 2 into 4 ohms. Features 16 MOSFET output devices; four 20,000- μ F 100-V storage capacitors. 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 \$2,000

Transnova 9500. Above in black. Not rack mountable \$1,900

Transnova 9300S 150-W/ch Amplifier

2 channels. 150 W x 2 into 8 ohms, 450 x 1 into 8 ohms, or 225 x 2 into 4 ohms. Features THX certification; 12 MOSFET output devices; four 15,000- μ F 75-V storage capacitors. 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 \$1,350

Transnova 9300. Above in black. Not rack mountable. 17 x 3 1/2 x 12 1/2 in \$1,250

Model 9290 145-W/ch Amplifier

2 channels. 145 W x 2 into 8 ohms, 420 x 1 into 8 ohms, or 210 x 2 into 4 ohms. Features 12 MOSFET output devices; J-FET double-differential front end; double-sided glass circuit boards; twin-core transformers. Level controls. THD 0.05%; S/N 100 dB; slew rate 50 V/ μ s; damping factor 300 at 1,000 Hz. 19 x 3 1/2 x 12 1/2 in; 35 lb \$800

Model 9180 105-W/ch Amplifier

2 channels. 105 W x 2 into 8 ohms, 300 x 1 into 8 ohms, or 150 x 2 into 4 ohms. Features 8 MOSFET output devices; J-FET double-differential front end. THD 0.05%; S/N 100 dB; slew rate 50 V/ μ s; damping factor 300 into 8 ohms at 1,000 Hz. 19 x 3 1/2 x 12 1/2 in; 33 lb \$700

Model 9130 65-W/ch Amplifier

2 channels. 65 W x 2 into 8 ohms, 150 x 1 into 8 ohms, or 75 x 2 into 4 ohms. Features self-limiting MOSFET output. Level controls. 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

HARMAN KARDON

PA2400 170-W/ch Amplifier

2 channels. 170 W x 2 into 4 or 8 ohms. Features discrete circuitry from input to output; low-induction geometry. Auto standby mode. FR 0.1-250,000 Hz; S/N 120 dB; slew rate 280 V/ μ s; damping factor 120. 17 1/2 x 6 1/2 x 16 in; 35.3 lb \$1,199

PA2200 100-W/ch Amplifier

2 channels. 100 W x 2 into 8/4 ohms from 20-20,000 Hz with 0.3% THD. Features discrete circuitry. Auto standby mode \$599

PA2100. As above, 60 W x 2 into 8 ohms from 20-20,000 Hz with 0.09% THD or 60 x 2 into 4 ohms with 0.3% THD \$449

HEYBROOK

P-3 100-W/ch Amplifier

2 channels. 100 W x 2 cont avg into 8 ohms. Features toroidal transformer; aluminum chassis. FR 20-20,000 Hz; THD 0.05%; S/N 60 dB \$1,398

J.A. MICHELL

The following feature soft turn-on and LED indicators.

Alecto Stereo 60-W/ch Amplifier

2 channels. 60 W x 2. FR 4-95,500 Hz \$2,895

Alecto Monobloc 150-W Amplifier

1 channel. 150 W x 1. FR 4-95,500 Hz \$2,400

JEFF ROWLAND

Model 9 350-W Mono Amplifier

1 channel. 350 W x 1 into 8 ohms, 700 x 1 into 4 ohms, or 900 x 1 into 2 ohms. Features separate power supply; 20 insulated-gate bipolar output transistors; four 750-VA toroidal transformers; no negative feedback. 2 RCA and 2 XLR inputs; 2 pairs of binding posts. FR 0.1-160,000 Hz; slew rate 50 V/ μ s; damping factor 300 from 20-20,000 Hz. Amp: 17 1/2 x 11 3/8 x 22 in; 90 lb. Power supply: 17 1/2 x 11 3/8 x 22 in; 135 lb \$24,500

With DC power supply. 100 W x 2 into 8 ohms, 200 x 2 into 4 ohms, or 300 x 2 into 2 ohms \$24,500

Model 8 250-W/ch Amplifier

2 channels. 250 W x 2 cont avg into 8 ohms, 400 x 2 into 4 ohms, or 600 x 2 into 2 ohms. Features FET front end; bipolar outputs; no negative feedback; toroidal power supply. RCA and XLR inputs. Selectable 26/32-dB gain; input mute and phase switches. THD 0.02% at 1,000 Hz; S/N 120 dB; slew rate 100 V/ μ s; damping factor 250 \$9,800

Model 1 60-W/ch Amplifier

2 channels. 60 W cont avg x 2 into 8 ohms, 120 x 2 into 4 ohms, or 215 x 2 into 2 ohms. Features differential FET circuitry; 600-VA toroidal transformer. RCA and XLR inputs. Selectable gain. 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 \$3,100

JRM

Power Tower 540-W Amplifier

4 channels. 200 W x 2 + 70 x 2 into 8 ohms, 350 x 2 + 175 x 2 into 4 ohms, or 500 x 2 + 250 x 2 into 2 ohms. Complementary all-cascode Class AB design; polypropylene capacitors; thermal, DC/clip, and power-up/fail protections. Dual LED level meters. 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-280 140-W/ch Amplifier

2 channels. 140 W x 2 cont avg into 8 ohms. Features THX certification; dual-mono design; Class A operation; servo-controlled DC output; bipolar output transistors; 1-ohm stability. Rhodium input connectors; 5-way binding posts. 17 x 6 x 16 1/2 in \$2,495

KBA-550 550-W Amplifier

5 channels. 100 W x 4 + 150 x 1 into 8 ohms. Features pending THX certification; 1,400-W toroidal transformer; servo-controlled DC output; independent power supplies. 17 1/4 x 6 x 16 1/2 in \$1,995

LAZARUS

LMA 200-W Tube Mono Amplifier

1 channel. 200 W x 1 into 8 ohms, 400 x 1 into 4 ohms, or 700 x 1 into 2 ohms. Hybrid tube/solid-state design; Class A circuitry; bipolar transistors. RCA and XLR inputs. Standby mode. FR 6-80,000 Hz \pm 0.5 dB. 17 x 6 3/4 x 12 in; 45 lb \$6,300/pr

LSA 200-W/ch Tube Amplifier

2 channels. 200 W x 2 into 8 ohms, 700 x 1 into 8 ohms, or 350 x 2 into 4 ohms. Features hybrid tube/solid-state design; Class A/B circuitry. RCA and XLR inputs. Switchable bridged/parallel operation; standby mode. FR 6-80,000 Hz \pm 0.5 dB. 17 x 6 3/4 x 12 in; 45 lb \$3,300

LINN

Klout 80-W/ch Amplifier

2 channels. 80 W x 2 into 8 ohms or 160 x 2 into 4 ohms. Features over-current and thermal protections \$3,695

LK100 50-W/ch Amplifier

2 channels. 50 W x 2 into 8 ohms. Features over-current and thermal protections; internal heat sink. THD 0.5% \$1,095

Powertek 50-W/ch Amplifier

2 channels. 50 W x 2 into 8 ohms. 17 1/4 x 3 3/8 x 14 in; 15.4 lb \$795

MADISON FIELDING

The following feature a MOSFET output stage with no overall feedback.

M-1 100-W Tube Mono Amplifier

1 channel. 100 W x 1 into 4/8 ohms, 200 x 1 into 2 ohms, or 400 x 1 into 1 ohm. Features hybrid vacuum-tube/solid-state design with one 6DJ8 vacuum tube; Class A operation; switchable bias and voltage rails; 850-VA transformer. 17 x 8 1/4 x 20 in; 70 lb \$9,000/pr

M-2 200-W Tube Mono Amplifier

1 channel. 200 W x 1 into 4/8 ohms, 400 x 1 into 2 ohms, or 600 x 1 into 1 ohm. Features hybrid vacuum-tube/solid-state design with one 6DJ8 vacuum tube; Class A/AB operation; switchable bias and voltage rails; 1,000-VA transformer \$8,200/pr

MAGNUM DYNALAB

Model 500 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms, 400 x 2 into 4 ohms, or 800 x 1 into 8 ohms. Class AB MOSFET output circuitry with temperature-independent biasing; 1,500-VA shielded toroidal power transformer; electrolytic capacitors. Gold-plated RCA inputs; XLR input; 5-way binding posts. FR 0.2-100,000 Hz \pm 3 dB; THD 0.25%. 19 x 5 1/4 x 17 in; 66 lb \$2,595

Model 200 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms, 200 x 2 into 4 ohms, or 400 x 1 into 8 ohms. Features Class AB MOSFET output circuitry with temperature-independent biasing; 1,000-VA shielded toroidal power transformer; electrolytic capacitors; gold-plated RCA inputs; XLR input; 5-way binding posts. FR 0.2-100,000 Hz \pm 3 dB; THD 0.25% \$1,695

MARANTZ

SM-80 120-W/ch Amplifier

2 channels. 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. 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. Banana-plug, bare-wire, and pin-type outputs. Peak indicators. S/N 121 dBA; slew rate 150 V/μs; damping factor 200 into 8 ohms. Gold finish with die-cast-alloy slide panels. 17½ x 6 x 14½ lb; 37 lb \$700

MA-500 125-W Mono Amplifier

1 channel. 125 W x 1 rms into 8 ohms with 0.5% THD or 180 x 1 rms into 4 ohms with 0.9% THD, all from 20-20,000 Hz. Features THX certification; multiple-unit bridging capability. Gold-plated RCA input; 2 banana-plug outputs; RC-5 system remote-control interface. Remote turn-on/off with compatible equipment. S/N 116 dBA; damping factor 200 at 8 ohms. 3-yr limited warranty. 3¾ x 5¼ x 17¾ in \$299

Music Link Series

The following feature over-current protection and a non-magnetic alloy chassis with copper plating. Multiple units may be bridged when used with the SC-80 or SC-22 preamplifier.

MA-24 30-W Mono Amplifier

1 channel. 30 W x 1 into 8 ohms from 20-20,000 Hz with 0.008% THD or 120 x 1 into 2 ohms. Features Class A amplification via differential-mode FETs; toroidal transformer mounted with resonance-reducing hand-tuned bolts; all-alloy case and chassis. FR 20-20,000 Hz ± 0.2 dB; S/N 115 dB; damping factor 200 into 8 ohms at 1,000 Hz. Gold finish. 8¼ x 5¾ x 14½ in; 22 lb \$1,500

MA-22 50-W Mono Amplifier

1 channel. 50 W x 1 into 8 ohms from 20-20,000 Hz with 0.01% THD. Features Class AB output stage; all-discrete devices; fully floating toroidal transformer. FR 1-100,000 Hz +0, -1 dB; S/N 110 dB; damping factor 90 into 8 ohms at 1,000 Hz. 9¾ x 3¾ x 8½ in; 13.2 lb \$1,000

MARCHAND

PM2-A 50-W Mono Amplifier Module

1 channel. 50 W x 1 cont avg into 8 ohms (Class AB) or 10 x 1 rms into 8 ohms (Class A). Power supply not included. Features integrated circuit driver chip; two complementary Darlington power transistors; output with current limiter; temperature sensor; switchable Class A/AB operation. FR 5-50,000 Hz ± 1 dB; THD 0.01% at 1,000 Hz \$80

MARK LEVINSON

No. 20.6 100-W Reference Mono Amplifier

1 channel. 100 W x 1 into 8 ohms or 200 x 1 into 4 ohms. Features Class A 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 reline power used by signal-carrying circuits; 3 high-current devices to drive output stage; clip-control circuitry; internal switching to adjust for operation from 90-240 V AC. Balanced Camac or XLR input. Faceplate available in 19-in width. 17½ x 8¼ x 22 in; 90 lb \$7,975

No. 23.5 200-W Mono Amplifier

1 channel. 200 W x 1 into 8 ohms or 400 x 1 into 4 ohms. Features AC-power filtering with DC-offset corrector; power-surge limiter; two power supplies; toroidal transformers with independent secondary windings; clip-control circuitry; bipolar gain stages; active differential input circuit; Class AB output stage. THD 0.3%. 19 x 8¾ x 18 in; 105 lb \$7,495

No. 27.5 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms, 200 x 2 into 4 ohms, or 350 x 2 into 2 ohms. Features dual-mono design; raw AC current filtered by 2 separate circuits;

power-surge limiter; 729-VA toroidal transformer for each channel; separate power supplies; audio signals processed through 2 Class A voltage-gain stages and 3 current-gain stages; cascaded differential input stage; Class AB output stage. Balanced Camac or XLR Input. 19 x 8¾ x 18 in; 85 lb \$5,495
No. 29. As above, 50 W x 2 into 8 ohms, 100 x 2 into 4 ohms, or 175 x 2 into 2 ohms. 17½ x 6¾ x 14½ in; 60 lb \$3,495

MCINTOSH

MC-2600 600-W/ch Amplifier

2 channels. 600 W x 2 cont avg into 2, 4, or 8 ohms or 1,200 x 1 into 2, 4, 8, or 16 ohms from 20-20,000 Hz with 0.005% THD. Features anti-clipping circuitry; temperature-controlled cooling fans; protection circuitry. Balanced and RCA inputs; gold-plated outputs. Power output meters. S/N 80 dBA; damping factor 40; dynamic headroom 1.7 dB. 19 x 10½ x 18 in; 130 lb \$6,000

MC-1000 1,000-W Mono Amplifier

1 channel. 1,000 W x 1 cont avg into 2, 4, or 8 ohms from 20-20,000 Hz with 0.005% THD. Features double-balanced push-pull design; anti-clipping circuitry; thermal protection; convection cooling via 2,800-square-in heat-sink area. Gold-plated outputs; balanced input. Power-on muting. S/N 90 dBA balanced, 85 dBA unbalanced; damping factor 200; dynamic headroom 1.5 dB. 17½ x 10½ x 19¾ in; 105 lb \$5,500

MC-7300 300-W/ch Amplifier

2 channels. 300 W x 2 cont avg into 2, 4, or 8 ohms or 600 x 1 into 4, 8, or 16 ohms from 20-20,000 Hz with 0.005% THD. Features anti-clipping circuitry. Balanced inputs. Power-on mute; power output meters. S/N 80 dBA; damping factor 40; dynamic headroom 1.9 dB. 16¼ x 5¾ x 15½ in; 79 lb \$3,195

MC-7106 600-W Amplifier

6 channels. Designed for multiroom and home theater systems. 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 with 0.005% THD. Features THX certification; anti-clipping circuitry; overload, thermal, and DC output protections. LED power-level indicators for each channel. S/N 95 dBA; damping factor 200; dynamic headroom 1.7 dB. 17½ x 7½ x 17½ in; 48 lb \$3,000

MC-7150 150-W/ch Amplifier

2 channels. 150 W x 2 cont avg into 2, 4, or 8 ohms from 20-20,000 Hz with 0.005% THD. Features anti-clipping circuitry; protection circuitry. Power-on mute; power-output meters. S/N 88 dBA; damping factor 40; dynamic headroom 1.8 dB. 16¼ x 5¾ x 15¼ in; 58 lb \$2,295

MC-7100 100-W/ch Amplifier

2 channels. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.005% THD. Features anti-clipping circuitry; DC and thermal output protections; toroidal power transformer. Power-on mute. S/N 95 dBA; damping factor 200; dynamic headroom 1.7 dB. 17½ x 3¾ x 14½ in; 24 lb \$1,100

MELOS

SHA-1 3-W/ch Tube Headphone Amplifier

2 channels. Doubles as line-level preamp. 3 W x 2 into 8 ohms with 0.2% THD. Features vacuum tube/differential DC Class A headphone-amp design; zero feedback amplification; direct coupling; impedance-matched output-stage circuitry; toroidal transformer; regulated power supplies. 2 Inputs and 1 line-level output; Tiffany connectors. 20 lb \$1,195
 Above in silver finish \$1,095

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 Gold 400-W Mono Tube Amplifier
 1 channel. 400 W x 1 into 8 ohms with 0.2% THD. Features Class AB operation to 50 W. Balanced input. FR 20-30,000 Hz; dynamic headroom 3 dB. 83 lb \$6,995/pr

Triode 200 ST Plus Gold 200-W/ch Tube Amp

2 channels. 200 W x 2 into 8 ohms with 0.2% THD. Features Class AB operation to 50 W. Balanced input. FR 20-30,000 Hz; dynamic headroom 3 dB. 82 lb \$3,895

Triode 200 ST Plus. As above, with Class AB operation to 25 W. No balanced inputs. 79 lb \$2,995

MERIDIAN

Model 605 150-W Mono Amplifier

1 channel. 150 W x 1 into 8 ohms. Features Class AB direct-coupled discrete design; MOSFET output devices; extruded aluminum case and heatsink. XLR and RCA inputs; gold-plated 5-way binding posts. FR 0.4-2C,000 Hz +0, -0.5 dB; S/N -95.5 dB. 12¾ x 4 x 12 in; 22.1 lb \$3,500/pr

Model 205 100-W Mono Amplifier

1 channel. 100 W x 1 into 8 ohms. Features Class AA design with toroidal power supply; fully complementary circuitry. Remote turn-on. 6¾ x 4 x 12¾ in; 13.2 lb \$1,790/pr

MONRIO

Monrib-Centro 120-W/ch Amplifier

2 channels. 120 W x 2 into 8 ohms. Features dual-mono design; selected and matched MOSFET devices; DC servo system. FR 5-60,000 Hz; THD 0.08%; S/N 97 dBA \$2,495

MOTIF

MS2001 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms. Features MOSFET output stage; polystyrene capacitors. FR 20-20,000 Hz ± 0.1 dB; THD 1%; S/N 100 dB. 19 x 7 x 18½ in; 63 lb \$4,395
MS1001. As above, 100 W x 2 \$3,295

MTX SOUNDCRAFTSMEN

A5002 250-W/ch Amplifier

2 channels. 250 W x 2 into 8 ohms or 375 x 2 into 4 ohms with 0.09% THD. Features 2-ohm capability; crowbar output protection without current limiting; LED level meters; AB speaker switching; clipping indicators; input-level controls. S/N 105 dB; slew rate 50 V/μs; dynamic headroom 2 dB \$949

A400 Pro 205-W/ch Amplifier

2 channels. 205 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD or 300 x 2 into 4 ohms. Features MOSFET design; phase regulation; thermal and overload protections; direct coupling; anti-surge turn-on delay. Balanced and RCA inputs. 19-in rack mount. S/N 105 dB \$829
A400. As above, without balanced inputs or rack mount \$800

Model 5860 300-W/ch Amplifier

2 channels. 300 W x 2 cont avg into 4 ohms with 0.05% THD. Features phase regulation; MOSFET design. S/N 105 dB. 8¼ x 5 x 12 in; 18 lb \$599
Model 5800. As above, 205 W x 2 into 8 ohms or 450 x 2 into 2 ohms \$499

A200 125-W/ch Amplifier

2 channels. 125 W x 2 into 8 ohms from 20-20,000 Hz with 0.05% THD or 190 x 2 into 4 ohms. Features MOSFET design; thermal and overload protection; direct coupling; non-current limiting. Clipping indicators. FR 20-20,000 Hz ± 0.1 dB; S/N 105 dB. 17 x 5¼ x 10½ in \$500
A100. As A200, 60 W x 2 into 8 ohms \$400
A100 Pro. As A100, with balanced inputs and 19-in rack mount. 17 x 1¾ x 10½ in \$419

MUSE

Model Three Hundred 300-W/ch Mono Amplifier
1 channel. 300 W x 1 into 8 ohms or 500 x 1 into 4 ohms. Features toroidal power supply. Balanced and unbalanced inputs; machined-copper blinding posts; shielded detachable connectors. Black or silver front panel. 17 1/4 x 7 1/2 x 13 1/2 in; 42 lb \$3,500/pr

Model One Hundred Seventy Five 175-W Amp
1 channel. 175 W x 1 into 8 ohms, 325 x 1 into 4 ohms, or 550 x 1 into 2 ohms. Features dual power supplies; dual-differential front end. Balanced and unbalanced inputs. Black or silver front panel. 17 1/4 x 7 1/2 x 13 1/2 in; 42 lb \$3,000/pr

Model One Hundred Fifty 125-W Mono Amplifier
1 channel. 125 W x 1 into 8 ohms, 250 x 1 into 4 ohms, or 400 x 1 into 2 ohms. Features 550-VA transformer; MOSFET output section; 12 output devices; dual-differential front end; fully balanced topology. Black or silver front panel. 19 x 3 1/2 x 13 1/2 in; 30 lb \$2,280/pr

Model One Hundred Sixty 160-W/ch Amplifier
2 channels. 160 W x 2 into 8 ohms or 250 x 2 into 4 ohms. Features mixed-mode feedback. Balanced and unbalanced inputs. Black or silver front panel. 17 1/4 x 7 1/2 x 13 1/2 in; 42 lb \$1,900

Model One Hundred 100-W/ch Amplifier
2 channels. 100 W x 2 into 8 ohms or 200 x 2 into 4 ohms. Features 6 complementary MOSFETs per channel; bipolar transistors in discrete front end; mixed-mode feedback; diode-decoupled filtered power supply. 19 x 3 1/2 x 13 1/2 in; 30 lb \$1,200

MUSEATEX

The following feature floating-charge power supplies, MOSFET output, toroidal transformers, power-on muting, and a 5-yr warranty.

Mellor AS-10 100-W/ch Amplifier
2 channels. 100 W x 2 cont avg into 8 ohms or 150 x 2 into 4 ohms. Features Class AB design; thermal overload, DC offset, and short-circuit protections; solid-state switching. 5-way binding posts. 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

Mellor AM-15 150-W Mono Amplifier
1 channel. 150 W x 1 cont avg into 8 ohms or 250 x 1 into 4 ohms. Features thermal overload, DC offset, and short-circuit protections; solid-state switching. 2 parallel inputs; 2 parallel outputs for biwiring; 5-way binding posts. FR 1-100,000 Hz; damping factor 100 \$1,699

NAD

Power Envelope circuitry refers to circuitry for extended headroom; Soft Clipping refers to circuitry to prevent speaker-damaging distortion.

Model 208THX 250-W/ch Amplifier
2 channels. 250 W x 2 cont avg into 8 ohms or 500 x 1 into 8 ohms. Features THX certification; N-channel MOSFET design. Symmetrical balanced inputs. Fan and rack-mount kit optional \$1,499

Model 2700THX 150-W/ch Amplifier
2 channels. 150 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD or 400 x 1 into 4 or 8 ohms. Features THX certification; Power Envelope and Soft Clipping circuitries; infrasonic and ultrasonic filters. Impedance selector; overload indicators. S/N 100 dB; damping factor 120 at 50 Hz; dynamic headroom 4 dB. 17 1/8 x 5 x 15 1/2 in; 29 lb \$829

Model 906 180-W Amplifier
6 channels. Designed for multiroom and home theater systems. 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. Features 3 discrete

power supplies; Soft Clipping circuitry; 2-ohm drive capability. 3 buffered line-level outputs. S/N 85 dB; damping factor 100 at 50 Hz; dynamic headroom 2 dB. 16 1/2 x 4 1/4 x 14 1/2 in \$699

Model 2400THX 100-W/ch Amplifier
2 channels. 100 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. Features THX certification; Power Envelope and Soft Clipping circuitries. Lab and normal inputs. A/B speaker switching; variable input sens. S/N 98 dB; damping factor 100 at 50 Hz; dynamic headroom 5.7 dB. 17 1/8 x 5 x 15 1/2 in; 22 lb \$649

Model 2100X 60-W/ch Amplifier
2 channels. 60 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. Power Envelope and Soft Clipping circuitries. Lab and normal inputs. A/B speaker switching; variable input sens. S/N 100 dB; damping factor 100 at 50 Hz; dynamic headroom 5.5 dB. 17 1/8 x 4 1/4 x 15 1/2 in; 21 lb \$429

Model 902 30-W/ch Amplifier
2 channels. 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. Features Soft Clipping circuitry; 2-ohm drive capability; variable input sens. S/N 85 dB; damping factor 100 at 50 Hz; dynamic headroom 2 dB. 16 1/2 x 3 3/8 x 10 3/8 in \$279

NAIM

NAP 250 70-W/ch Amplifier
2 channels. 70 W x 2 cont into 8 ohms. Features toroidal transformers; 4 regulated power supplies; thermal protection; fan cooling. FR 3-40,000 Hz ± 3 dB \$2,995

NAP 135 75-W Mono Amplifier
1 channel. 75 W x 1 cont into 8 ohms. Features toroidal transformers; 4 regulated power supplies; thermal protection; fan cooling. FR 3-40,000 Hz ± 3 dB. 16 3/4 x 3 x 11 1/4 in \$2,995

NAP 180 60-W/ch Amplifier
2 channels. 60 W x 2 cont into 8 ohms. Features 430-VA toroidal transformer; 4 smoothing capacitors. FR 5-40,000 Hz ± 3 dB. 16 3/4 x 3 x 11 1/4 in \$1,895

NAP 140 45-W/ch Amplifier
2 channels. 45 W x 2 cont into 8 ohms. Features dual power supply rectification; 2 smoothing capacitors for each channel; thermal protection. FR 5-40,000 Hz ± 3 dB \$1,345

NAP 90 30-W/ch Amplifier
2 channels. 30 W x 2 cont into 8 ohms. Features protection circuitry. FR 5-40,000 Hz ± 3 dB. 8 x 3 x 11 3/4 in \$995
NAP 90/3. As above, toroidal transformer \$845

NAKAMICHI

PA-7AII 225-W/ch Amplifier
2 channels. 225 W x 2 cont avg into 8 ohms with 0.05% THD. Features two internal amps for high- and low-impedance sources; 700-W toroidal power transformer; bridge rectifiers; electrolytic filters. FR 20-20,000 Hz +0, -0.2 dB; S/N 120 dB; damping factor 60; dynamic headroom 1.7 dB. 17 1/8 x 7 7/8 x 16 1/2 in; 62.7 lb \$2,300
PA-5AII. As above, 150 W x 2 \$1,650

NESTOROVIC LABS

NA-1 150-W Tube Mono Amplifier
1 channel. 150 W x 1 cont avg into 4/8 ohms. Features Class AB operation; push-pull configuration. Balanced inputs; differential or single-ended input. THD 0.5%. 17 x 7 1/2 x 10 in \$3,600

OCM TECHNOLOGY

The following OCM amps feature a 5-yr parts-and-labor warranty.

Model 500 200-W/ch Amplifier
2 channels. 200 W x 2 into 8 ohms, 400 x 2 into 4 ohms, or 800 x 1 into 8 ohms. Features Class AB MOSFET output circuitry with temperature-independent biasing; shielded 1,500-kVA toroidal power transformer; electrolytic capacitors. Gold-plated RCA inputs; balanced XLR input; 5-way binding posts. FR 0.2-100,000 Hz ± 3 dB; THD 0.25%; slew rate 200 V/μs. Black anodized-aluminum faceplate. 19 x 5 1/4 x 17 in; 66 lb \$2,595
Model 200. As above, 100 W x 2 into 8 ohms, 200 x 2 into 4 ohms, or 400 x 1 into 8 ohms. Features 1,000-kVA transformer \$1,695

OCTAVE RESEARCH

OR-1 85-W/ch Amplifier
2 channels. 85 W cont avg x 2 into 8 ohms. Features Class A operation; separate amplifiers for LR channels; 4 independent power supplies; mono operation via bridging adaptor. S/N 95 dB. 3-yr parts-and-labor warranty. 19 x 9 1/8 x 19 1/8 in; 66 lb \$3,650

ONKYO

Integra M-588F 200-W/ch Amplifier
2 channels. 200 W x 2 rms into 8 ohms or 750 x 2 max into 2 ohms. Features balanced dual-mono design; discrete outputs; optical output isolation; overload protection. XLR and RCA inputs; 4 parallel banana-plug outputs. 2 optically isolated power meters with auto meter-range selection. THD 0.005%; S/N 120 dB; damping factor 180. 18 x 7 1/2 x 16 3/4 in; 65.2 lb \$2,000

Integra M-504 165-W/ch Amplifier
2 channels. 165 W x 2 rms into 8 ohms or 530 x 2 max into 2 ohms. Dual-mono design; discrete outputs; linear switching. 4-way speaker selector; peak power meters. THD 0.003%; S/N 120 dB; damping factor 140. 18 1/8 x 7 3/8 x 16 1/2 in; 49.5 lb \$850

M-501 150-W/ch Amplifier
2 channels. 150 W x 2 rms into 8 ohms, 210 x 2 max into 8 ohms, or 400 x 2 into 2 ohms. Outputs for 2 speaker pairs. Features protection circuitry. THD 0.09%; S/N 100 dB; damping factor 60. 17 1/8 x 5 7/8 x 13 1/4 in; 23.1 lb \$380

PARAMOUNT PICTURES

CX-240 240-W Amplifier
6 channels. 40 W x 6 rms. Designed for home theater systems. Quasi-complementary circuitry. Black-anodized brushed aluminum faceplate \$480
MC-200. As above, 40 W x 5 rms \$400

PARASOUND

HCA-1206 720-W Amplifier
6 channels. 120 W x 6 into 8 ohms or 180 x 6 into 4 ohms. THX certification; direct coupling; 1,700-V transformer; 2 bridgeable channel pairs; MOSFET drivers; bipolar output stage; J-FET input stage. 5-way binding posts; gold-plated inputs. Overload Indicators; gain controls. 19 x 7 x 16 in \$1,795

HCA-2200II 220-W/ch Amplifier
2 channels. 220 W x 2 into 8 ohms, 385 x 2 into 2/4 ohms, 750 x 1 into 8 ohms, or 1,000 x 1 into 4 ohms. Features direct coupling; two 1,200-V toroidal transformers; MOSFET drivers; J-FET inputs; bipolar outputs. XLR inputs; two pairs of 5-way binding posts. THD 0.07% \$1,695

HCA-1200 200-W/ch Amplifier
2 channels. 200 W x 2 into 8 ohms, 300 x 2 into 4 ohms, or 600 x 1 into 8 ohms. Features J-FET inputs; MOSFET drivers; bipolar outputs; 1,000-VA toroidal transformer. 5-way binding posts. Gain controls. THD 0.08% \$845

HCA-800II 100-W/ch Amplifier
2 channels. 100 W x 2 into 8 ohms, 150 x 2 into 4 ohms, or 260 x 1 into 8 ohms. Features 700-VA

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easy-to-use programmable presets. They called them: "best in their class"... with "an amazing sense of clarity and immediacy".

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P O W E R A M P L I F I E R S

toroidal transformer. Headphone jack; 5-way binding posts. A/B speaker switching; gain controls. THD 0.1% \$425

HCA-500 50-W/ch Amplifier

2 channels. 50 W x 2 into 8 ohms or 75 x 2 into 4 ohms. Discrete circuits. Gold-plated inputs; 5-way binding posts. Gain controls. THD 0.2% \$396

PERFECTIONIST AUDIO

LS-2 plus 125-W/ch Amplifier

2 channels. 125 W x 2. Patented circuitries to isolate and protect analog circuitry from high-frequency digital interference; differential MOSFET analog circuitry. FR 5-100,000 Hz; S/N 100 dB \$1,500

PIONEER

Elite Series

M-91 200-W/ch Amplifier

2 channels. 200 W x 2 cont avg into 8 ohms from 20-20,000 Hz with THD 0.003%. Features direct signal paths; power supply with one cast-iron transformer per channel; sixteen 130-W output transistors; honeycomb heat sink and insulators. CD- and line-direct inputs. A/B speaker switching; level controls. FR 20-20,000 Hz +0, -0.1 dB; S/N 125 dB. 18 x 6 1/2 x 17 in \$1,400

M-72 200-W Amplifier

4 channels. 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. Semiconductor non-linearity cancellation; insulation of power transformer and heat sink from chassis; direct signal paths. 2 inputs; headphone jack. 2 input-sens controls. FR 5-150,000 Hz +0, -3 dB; S/N 120 dB in 2-ch mode. 18 x 6 1/2 x 16 3/4 in; 47.6 lb \$1,000

POINTSOURCE

A203 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms or 400 x 2 into 4 ohms. Features dual-mono design; high-bias Class AB design; 1,000-VA power transformer; 1-ohm drive capability; FET input; bipolar output. FR 20-20,000 Hz; THD 0.1%. Choice of wooden end panels. 19 x 7 x 16 in \$1,750/pr

PRODIGY AUDIO

150-W Mono Amplifier

1 channel. 150 W x 1. Features Teflon power wiring; military-grade components. 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

PROTON

AA-1600 360-W Amplifier

6 channels. Designed for home theater systems. 60 W x 6 into 8 ohms; bridgeable from 3 to 5 channels at 150 W. FR 20-20,000 Hz \pm 5 dB; THD 0.05%; S/N 113 dB; damping factor 100; dynamic headroom 2.5 dB. 16 1/2 x 4 1/2 x 15 1/2 in; 28 lb \$700

AA-2120 120-W/ch Amplifier

2 channels. 120 W x 2 into 8 ohms. Features dual-mono design with 2 separate power supplies and 2 discrete amplifiers in single chassis; protection circuitry. Gold-plated connectors. Dual peak-level power meters. FR 20-20,000 \pm 3 dB; THD 0.01%; S/N 100 dB; damping factor 100; dynamic headroom 2.5 dB. 16 1/2 x 4 3/4 x 15 3/4 in; 31 lb \$700

AA-2080. As above. 80 W x 2. 28 lb \$600

PS AUDIO

PS 200 Delta 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms or 400 x 2 into 4 ohms. Features dual-mono design; Class A circuitry; EMI/RFI filtration; fuse protection; 80,000- μ F capacitance in power supply; low feedback design; line-conditioned power supply; glass-epoxy circuit board; direct-coupled input-to-output path. Balanced inputs.

THD 0.1%; slew rate 150 V/ μ s. 17 x 6 x 17 in; 64 lb \$2,095
Without balanced inputs \$1,895

PS 100 Delta 120-W/ch Amplifier

2 channels. 120 W x 2 into 8 ohms or 200 x 2 into 4 ohms. Features dual-mono design; 60,000- μ F power-supply capacitance; low feedback design; direct-coupled input and output. THD 0.1%; slew rate 150 V/ μ s. 17 x 6 x 17 in; 43 lb \$1,295

PS 250 Delta 250-W Mono Amplifier

1 channel. 250 W x 1 into 8 ohms or 400 x 1 into 4 ohms. Features line-conditioned power supply; twelve 10- μ F filter power-supply capacitors; low feedback design; direct-coupled input and output. THD 0.1%; slew rate 150 V/ μ s. 17 x 6 x 17 in; 52 lb \$1,147

PSE

Studio V 120-W Mono Amplifier

1 channel. 120 W x 2 into 8 ohms. Features Class A/B AB design; discrete circuitry; FET up to Class A/B high current; bipolar transistors; toroidal transformer; 54,000- μ F power supply; independent regulated supplies for each stage; OFC wiring; thermal, DC-offset, and short-circuit protections. XLR and RCA inputs. Rack-mount optional. THD 0.1%; S/N 97 dB at 1 W, 8 ohms; slew rate 200 V/ μ s. Wood or black acrylic finish. 5-yr warranty \$1,990/pr

Studio IV. As above, 2 channels. 100 W x 2 into 8 ohms. Gold-plated inputs and 5-way binding posts. S/N 92 dB at 1 W, 8 ohms; slew rate 100 V/ μ s. 22 lb \$995

QSC

All QSC amplifiers feature a 3-yr warranty.

EX Series

The following feature thermal protection, gain controls in 2-dB steps, LED status indicators, XLR and barrier-strip balanced inputs, and 5-way binding posts.

EX 4000 720-W/ch Amplifier

2 channels. 720 W x 2 cont avg into 8 ohms or 1,000 x 2 cont avg into 4 ohms. Features fully complementary 3-step output stage. FR 20-20,000 Hz \pm 0.1 dB; damping factor 200; dynamic headroom 3 dB. 19 x 5 1/4 x 18 in; 64 lb \$2,398

EX 2500 500-W/ch Amplifier

2 channels. 500 W x 2 cont avg into 8 ohms or 750 x 2 cont avg into 4 ohms. Features fully complementary 2-step output stage. FR 20-20,000 Hz \pm 0.1 dB; damping factor 200; dynamic headroom 3 dB. 19 x 5 1/4 x 18 in; 55 lb \$1,998

EX 1600. As above, 400 W x 2 cont avg into 8 ohms or 600 x 2 cont avg into 4 ohms. 19 x 3 1/2 x 18 in; 44 lb \$1,558

EX 1250. As EX 2500, 275 W x 2 cont avg into 8 ohms or 400 x 2 cont avg into 4 ohms. 19 x 3 1/2 x 18 in; 42 lb \$1,248

EX 800 175-W/ch Amplifier

2 channels. 175 W x 2 cont avg into 8 ohms or 275 x 2 cont avg into 4 ohms. Features fully complementary Class AB output stage. FR 20-20,000 Hz \pm 0.1 dB; damping factor 200; dynamic headroom 2 dB. 19 x 3 1/2 x 18 in; 40 lb \$999

MX Series

The following feature short-circuit and DC-offset protections, 1/4-in RTS and barrier-strip inputs, a subsonic filter, and LED status indicators.

MX 2000a 650-W/ch Amplifier

2 channels. 650 W x 2 cont avg into 4 ohms or 1,000 x 2 cont avg into 2 ohms. Features dual-mono design; 2-speed cooling fan; mono-bridging/parallel switch. FR 20-20,000 Hz \pm 0.1 dB; THD 0.05%; S/N 100 dB; damping factor 200; dynamic headroom 3 dB. 19 x 5 1/4 x 18 in; 54 lb \$1,718

MX 1500a 500-W/ch Amplifier

2 channels. 500 W x 2 cont avg into 4 ohms or 750 x 2 cont avg into 2 ohms. Features 2-speed cooling fan. Mono-bridging parallel switch. Frequency response 20-20,000 Hz \pm 0.1 dB; total harmonic distortion 0.05%; damping factor 200; dynamic headroom 3 dB. Dimensions: 19 x 3 1/2 x 18 in; 42 lb \$1,258

MX 1000a. As above, 350 W x 2 cont avg into 4 ohms or 500 x 2 into 3 ohms \$1,028

MX 700 150-W/ch Amplifier

2 channels. 150 W x 2 cont avg into 8 ohms, 225 x 2 cont avg into 4 ohms, or 350 x 2 into 2 ohms. Features direct-mounted power transistors; 2-speed cooling fan. FR 20-20,000 Hz \pm 0.25 dB; THD 0.1% from 20-20,000 Hz; damping factor 200; dynamic headroom 3 dB. 19 x 3 1/2 x 12 in; 25 lb \$688

Series One

The following feature a fully complementary circuit design, DC-offset and short-circuit protections, accessory-module inputs, a mono-bridging switch, 1/4-inch RTS, XLR, and barrier-strip inputs, direct-mounted power transistors, calibrated gain controls, and clipping indicators.

Model 1700 325-W/ch Amplifier

2 channels. 325 W x 2 cont avg into 8 ohms or 300 x 2 cont avg into 4 ohms. Features auto 2-speed cooling fan. FR 20-20,000 Hz \pm 1 dB; 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 \$1,328

Model 1400. As above, 200 W x 2 cont avg into 8 ohms or 300 x 2 cont avg into 4 ohms. Slew rate 18 V/ μ s; dynamic headroom 2 dB. 19 x 5 1/4 x 9 1/2 in; 34 lb \$838

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 \pm 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 \$638

Model 1100 50-W/ch Amplifier

2 channels. 50 W x 2 cont avg into 8 ohms or 70 x 2 cont avg into 4 ohms. Features toroidal transformer. 2 headphone jacks. FR 20-20,000 Hz +0, -1 dB; THD 0.1%; slew rate 14 V/ μ s; damping factor 200; dynamic headroom 2 dB \$608

USA Series

The following feature fully complementary output, clipping indicators, balanced inputs, 1/4-inch RTS and barrier-strip inputs, independent DC subsonic speaker protection for each channel, and a mono-bridging switch.

USA 1300 400-W/ch Amplifier

2 channels. 400 W x 2 cont avg into 8 ohms, 650 x 2 cont avg into 4 ohms, or 1,000 x 2 cont avg into 2 ohms. FR 20-20,000 \pm 0, -1 dB; THD 0.1%; slew rate 21 V/ μ s; damping factor 200. 19 x 7 x 10 7/8 in; 54 lb \$1,100

USA 850. As above, 270 W x 2 cont avg into 8 ohms, 425 x 2 cont avg into 4 ohms, or 550 x 2 cont avg into 2 ohms. THD 1%; slew rate 18 V/ μ s. 19 x 5 1/4 x 9 1/2 in; 34 lb \$740

USA 370. As USA 1300, 125 W x 2 cont avg into 8 ohms, 185 x 2 cont avg into 4 ohms, or 250 x 2 cont avg into 2 ohms. THD 1%; slew rate 12 V/ μ s. 19 x 5 1/4 x 9 1/2 in; 21 lb \$620

QUAD

Model 606II 160-W/ch Amplifier

2 channels. 160 W x 2 into 8 ohms or 220 x 2 into 4 ohms. Features Class A current dumping circuit; feed-forward error correction; 60,000- μ F toroidal transformer; two independent power supplies. Frequency response 10-40,000 Hz \pm 1 dB; THD 0.01%; signal-to-noise ratio 105 dB; dynamic headroom 4 dB. Dimensions: 12 x 5 x 9 in; 27 lb \$1,395

Model 306. As above, 60 W x 2 into 8 ohms or 80 x 2 into 4 ohms. 18,800- μ F toroidal transformer. 12 x 3 x 8 in; 11 lb \$695

QUICKSILVER

Model 135 135-W Tube Mono Amplifier

1 channel. 135 W x 1 into 4/8 ohms from 20-20,000 Hz. Features hand wiring; 12AU7, 12FQ7, and six EL34 tubes. Meter; bias controls. 70 lb. . . . \$2,800
Silver. As above, 90 W x 1 cont into 4/8 ohms from 20-20,000 Hz. 12AX7, 12BH7, 5AR4, and matched-pair KT88 tubes. 9 3/4 x 6 x 15 3/4 in; 37 lb. . . . \$1,225
KT-88. As Silver, 60 W cont x 1 into 4/8 ohms from 20-20,000 Hz. Two KT88, two 12FQ7, and 5AR4 tubes. 9 3/4 x 6 x 14 3/4 in; 30 lb. . . . \$898

RCA

PA4500M 175-W Amplifier

5 channels. Designed for home theater systems. 50 W x 3 rms (front left, right, center) + 12.5 x 2 (rear). Front LR, center, and rear line-level RCA inputs. Auto turn-on; LED indicator. FR 20-20,000 Hz ± 1 dB (front), 100-10,000 Hz ± 1 dB (rear); THD 0.5%; S/N 90 dBA. 8 1/4 x 4 1/2 x 13 in; 16 lb. . . . \$249

ROTEL

RB990BX 200-W/ch Amplifier

2 channels. 200 W x 2 cont avg into 8 ohms from 20-20,000 Hz with 0.03% THD. Features power transformers with separate rectifiers and filter capacitors. FR 4-100,000 Hz +0.5 dB, -3 dB; S/N 120 dB; damping factor 1,000. 17 3/8 x 4 3/4 x 14 3/4 in; 32.5 lb. . . . \$1,000

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 3/8 x 4 3/4 x 12 3/4 in; 22.4 lb. . . . \$600

RB960BX 60-W/ch Amplifier

2 channels. 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. Features dual power transformers with separate rectifiers and filter capacitors. FR 15-100,000 Hz +0, -1 dB; S/N 116 dB; damping factor 280. . . \$370

SESCOM

SH-1 MkII 10-W/ch Headphone Amplifier

2 channels. 10 W x 2 cont avg into 8 ohms. Features power supply with low-flux-field toroidal power transformer. Headphone jack; RCA input; binding posts; XLR plug for connection to SHB-1 MkII. Level controls. S/N 93 dB. 19 x 1 3/4 x 5 in. . . . \$315
SHB-1 MkII. Connector box for above. Features looping inputs and outputs with XLR plugs/jacks and RTS jacks; 6 headphone outputs. . . . \$125

PO-3 2-W/ch Headphone Amplifier

2 channels. 2 W x 2 into 8 ohms for -10 dBV level. Requires PO-1 power supply. Two RCA inputs; two 1/4-in speaker jacks. Two volume controls. . . \$92

SONANCE

Sonamp 2120 120-W/ch Amplifier

2 channels. 120 W x 2 into 8 ohms with 0.05% THD or 160 x 2 into 4 ohms with 0.1% THD, all rms from 20-20,000 Hz. Features discrete output transistors; thermal, surge, and overload protections. 2 line-level outputs. Defeatable auto turn-on; input-level controls. 16 3/4 x 5 3/8 x 12 1/2 in; 23 lb. . . . \$575

Sonamp 260 60-W/ch Amplifier

2 channels. 60 W x 2 into 8 ohms, 100 x 2 into 4 ohms, or 125 x 2 into 2 ohms. Features short-circuit protection; 2-ohm stability. Line-level RCA outputs; 5-way binding posts. Input-level controls; defeatable remote turn-on; status indicator lights. 16 3/4 x 3 1/2 x 12 1/2 in. . . . \$349
Sonamp 260x3. As above, with switching for 3 speaker pairs. . . . \$399

SONOGRAPH

SA150 120-W/ch Amplifier

2 channels. 120 W x 2 into 8 ohms. Features MOSFET output stage. 17 x 5 1/4 x 13 in. . . . \$995

SONY

ES Series

TA-N80ES 200-W/ch Amplifier

2 channels. 200 W x 2 cont into 8 ohms with 0.004% THD, 270 x 2 cont into 4 ohms with 0.006% THD, or 580 x 1 into 8 ohms with 0.007% THD, all from 20-20,000 Hz. 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; XLR inputs. A/B speaker switching; variable LR input sens. Damping factor 100; dynamic headroom 2.8 dB at 4 ohms. Simulated-wood side panels. 18 1/2 x 7 3/8 x 17 3/8 in; 52.9 lb. . . . \$1,250

TA-N55ES 110-W/ch Amplifier

2 channels. 110 W x 2 cont into 8 ohms with 0.004% THD, 150 x 2 cont into 4 ohms with 0.006% THD, or 300 x 1 into 8 ohms with 0.007% THD, all from 20-20,000 Hz. Features discrete output transistors in push-pull configuration; resin-cast power-supply capacitors; 2 protection circuits. Fixed and variable inputs. A/B speaker switching. Damping factor 100; dynamic headroom 2.8 dB at 4 ohms. Simulated-wood side panels. 18 1/2 x 6 x 14 1/2 in. . . . \$520

TA-N220 180-W Amplifier

4 channels. 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. 4 banana-plug outputs. 2 input-sens controls; status indicators. FR 7-100,000 Hz +0, -2 dB; S/N 90 dB. Simulated-wood side panels. 18 1/2 x 5 3/8 x 14 3/8 in; 20.4 lb. . . . \$360

SOUND ENGINEERING

PFM-3B 150-W/ch Amplifier

2 channels. 150 W x 2. Features MOSFET design; high damping. . . . \$2,150

SOUNDSTREAM

The following feature a 3-yr limited warranty.

DA-2 THX 200-W/ch Amplifier

2 channels. 200 W x 2 into 8 ohms, 350 x 2 into 4 ohms, or 500 x 2 into 2 ohms. Features THX certification; Class G topology. Gold-plated XLR and RCA inputs; gold-plated 5-way binding posts. 10 lb \$1,195

SA-100 50-W/ch Amplifier

2 channels. 50 W x 2 into 4 ohms, 90 x 2 into 2 ohms, or 180 x 1 into 4 ohms. Features hideaway design for multiroom applications; 1-ohm stability. Remote speaker switching via RSS-2 selector. . . \$399

SUMIKO

CTA-504 60-W/ch Tube Amplifier

2 channels. 60 W x 2 cont avg into 8 ohms. THD 0.08%; slew rate 80 V/μs. 63 lb. . . . \$2,750

SUMO

The Ten 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms or 350 x 1 into 4 ohms with 0.1% THD. Class A MOSFET design; proprietary MOSFET linearization circuit; no negative feedback. Gold-plated binding posts for blwiring; XLR and RCA inputs. 19 x 7 x 22 1/2 in. . . . \$2,699

Andromeda III 240-W/ch Amplifier

2 channels. 240 W x 2 into 8 ohms or 400 x 2 into 4 ohms. Features MOSFET design; fully balanced path from input to output; pure Class A operation except for Class AB output stage. XLR inputs. THD 0.05% into 8 ohms, 0.1% into 4 ohms. 19 x 7 x 16 3/4 in; 55 lb. . . . \$1,699

Five 60-W/ch Amplifier

2 channels. 60 W x 2 into 8 ohms, 120 x 2 into 4 ohms, or 240 x 2 into 2 ohms. Features Class A MOSFET design; proprietary linearization circuit. XLR inputs; gold-plated connectors. . . \$1,699

Polaris III 120-W/ch Amplifier

2 channels. 120 W x 2 or 350 x 1 into 8 ohms. Features Class AB MOSFET design; proprietary MOSFET linearization circuit; pure Class A gain stage. XLR inputs. THD 0.05% into 8 ohms, 0.1% into 4 ohms. 19 x 5 1/4 x 10 in; 35 lb. . . . \$849

Ulysses II 60-W/ch Amplifier

2 channels. 60 W x 2 or 180 x 1 into 8 ohms. Features Class AB MOSFET design. Proprietary Class A gain stage. FR 20-20,000 Hz; THD 0.05%. 19 x 3 1/2 x 9 1/2 in; 25 lb. . . . \$599

SYMETRIX

A220 20-W/ch Amplifier

2 channels. Designed for near-field monitoring and headphones. 20 W x 2 or 40 x 1 into 8 ohms. Features dual-tracking, dual-independent, and bridge-mono modes. Balanced and unbalanced inputs; barrier-strip terminals. . . . \$349

THRESHOLD

T10b 650-W/ch Amplifier

2 channels. 650 W x 2. Features 4-chassis design with 2 chassis for signal processing and 2 for power supply; 4 transformers per chassis; 144 IGBT output devices per chassis; direct-coupled short-path circuitry. . . . \$NA

T500 250-W/ch Amplifier

2 channels. 250 W x 2 Class AB or 125 x 2 Class A. Switchable Class A/AB operation; microprocessor thermal-stability control; 4 separate gain stages; fully regulated and decoupled front ends; short-path circuit execution; 64 IGBT output devices. 4 sets of output posts; balanced and single-ended inputs. FR 0-150,000 Hz; slew rate 150 V/μs. . . . \$5,850

T200 100-W/ch Amplifier

2 channels. 100 W x 2 or 330 x 1. Features Class A design; 28 IGBT output devices; fully regulated separate front end; separate LR power supplies; high-bias cascode/FET front-end; short-path circuit execution. Balanced and unbalanced inputs; 4 sets of output posts. Mono switch. FR 0-100,000 Hz; slew rate 100 V/μs. . . . \$3,850

T100 50-W/ch Amplifier

2 channels. 50 W x 2 or 180 x 1. Features Class A design. 24 IGBT output devices; decoupled front-end separate supply; high-bias cascode/FET front-end; short-path circuit execution. Balanced and unbalanced inputs; 4 sets of output posts. Mono switch. FR 0-100,000 Hz; slew rate 60 V/μs. . . . \$2,650

TIMES ONE

RFM-800 200-W Mono Amplifier

1 channel. 200 watts x 1 into 8 ohms. Total harmonic distortion 0.5 %; signal-to-noise ratio 100 dB; slew rate 130 V/μs; dynamic headroom 3 dB. Dimensions: 19 x 5 1/2 x 13 1/2 in. . . . \$2,450

RFS-480 125-W/ch Amplifier

2 channels. 125 W x 2 into 8 ohms. THD 0.5%; S/N 100 dB; slew rate 130 V/μs; dynamic headroom 3 dB. 19 x 5 1/4 x 13 1/2 in. . . . \$1,980

THS-6 360-W Amplifier

6 channels. 60 W x 6 into 8 ohms. THD 0.1%; S/N 95 dB; slew rate 60 V/μs; dynamic headroom 1.4 dB. 17 x 3 1/2 x 11 in. . . . \$1,450

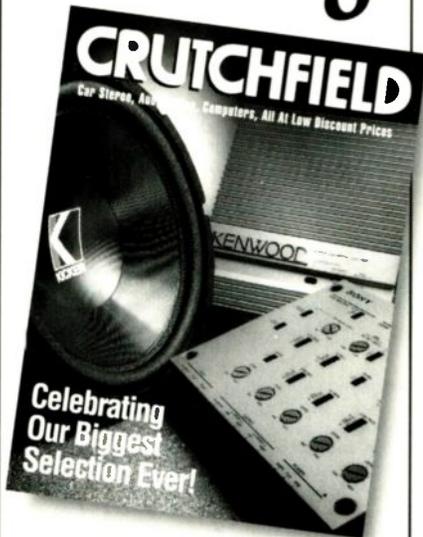
THS-5 500-W Amplifier

5 channels. 100 W x 5 into 8 ohms. THD 0.1%; S/N 90 dB; slew rate 60 V/μs; dynamic headroom 1 dB. 17 x 6 x 16 in. . . . \$990

PS-400 100-W/ch Amplifier

2 channels. 100 W x 2 into 8 ohms. THD 0.1%; S/N 95 dB; slew rate 60 V/μs; dynamic headroom 1.1 dB. 17 x 6 x 16 in. . . . \$850
PS-300. As above, dynamic headroom 1.4 dB \$750

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P O W E R A M P L I F I E R S

VAC

Renaissance Series

One-Forty 140-W Tube Mono Amplifier

1 channel. 140 W x 1. Features triode design; 300B filamentary output tubes; zero feedback; DC-coupled Class A Williamson front end; 10 transformers; 16 power supplies; machined-aluminum chassis; 1-ohm load capability. Satin nickel-plate finish. 18 x 9 x 18 in; 220 lb \$22,000/pr

Seventy/Seventy 70-W/ch Tube Amplifier

2 channels. 70 W x 2. Features triode design; 300B filamentary output tubes; zero feedback; DC-coupled Class A Williamson front end; dual-mono design; separate power cords for each channel; 10 transformers; 16 power supplies; machined-aluminum plate chassis; 1-ohm load capability. Satin nickel-plate finish. 18 x 9 x 18 in; 110 lb \$11,000

PA Series

The following feature a Class A modified paraphase front end and 1-ohm load capability.

PA150 150-W Tube Mono Amplifier

1 channel. 150 W x 1. Features machined-aluminum chassis; switchable ultra-linear or triode EL34 output stage. Analog bias meter. Black and brass finish. 18 x 7 3/4 x 18 in; 150 lb \$9,500/pr

PA90C 100-W Tube Mono Amplifier

1 channel. 100 W x 1. Features separate power supply; switchable triode operation of EL34 output stage. Balanced input optional. Black-lacquer and engraved-brass finish. 6 x 7 3/4 x 16 1/4 in; 140 lb \$5,590/pr

PA60C 70-W Tube Mono Amplifier

1 channel. 70 W x 1. Features separate power supply; switchable triode operation of KT88 tetrode output stage. Balanced input optional. Black-lacquer and engraved-brass finish. 6 x 7 3/4 x 16 1/4 in; 140 lb \$5,090/pr

PA45C 55-W/ch Tube Amplifier

2 channels. 55 W x 2. Separate power supply. switchable triode operation of EL34 output stage. Balanced input optional. Black-lacquer and engraved-brass finish. Dimensions: 6 x 7 3/4 x 16 1/4 in; weight: 88 lb \$3,790

Vintage Series

High Power 100-W Tube Mono Amplifier

1 channel. 100 W x 1. Features KT88 based design: all-tube circuitry; direct-coupled Class A Williamson-type front end; aluminum chassis; self-bias circuit; triode switch. Tube cage optional. Gloss black with engraved-brass faceplate. 18 x 5 3/4 x 14 in; 80 lb \$3,990/pr

Seventy. As above, 85 W x 1. Uses Golden Dragon EL34 output tube \$3,390

Williamson 37-W/ch Tube Amplifier

2 channels. 37 W x 2 into 2, 4, or 8 ohms. Features self-bias tube design. Gloss black with engraved brass faceplate. 18 x 5 3/4 x 14 in; 46 lb \$1,950

VACUUM TUBE LOGIC

The following are all tube amplifiers and feature a 5-yr parts-and-labor warranty excluding tubes.

MB-600. 600 W x 1, switchable to 300 x 1. 19 x 21 x 10 in; 135 lb \$11,990/pr
MB-300. 300 W x 1, switchable to 150 x 1. 19 x 8 1/2 x 10 in; 75 lb \$5,990/pr
MB-225. 225 W x 1. 19 x 8 1/2 x 10 in \$4,990/pr
MB-150. 150 W x 1, switchable to 60 x 1. 19 x 8 1/2 x 10 in; 55 lb \$3,990
MB-100. 100 W x 1, switchable to 45 x 1. 15 3/4 x 6 3/4 x 8 1/2 in; 40 lb \$2,990
ST-125. 125 W x 2, switchable to 50 x 1. 19 x 8 1/2 x 10 in; 40 lb \$2,490
ST-80. 80 W x 2. Dimensions: 15 3/4 x 6 3/4 x 9 1/2 in; weight: 35 pounds \$1,490

WOLCOTT AUDIO

Presence 220-W Tube Mono Amplifier

1 channel. 220 W x 1 into 4 ohms from 20-20,000 Hz. Features all-tube signal path; computer- and servo-system control for input- and output-tube operating parameters; adjustable output impedance; infinite damping factor. THD 0.005% midband; S/N 100 dB \$6,600/pr

WOODSIDE/RADFORD

The following feature a pentode-triode phase splitter.

MA50 50-W Tube Mono Amplifier

1 channel. 50 watts x 1 cont avg into 8 ohms or 75 x 1 into 4 ohms from 20-20,000 Hz with 0.2% total harmonic distortion. Class A design; isolated regulated power supplies. Signal-to-noise ratio 95 dB. Dimensions: 16 3/4 x 8 3/4 x 10 3/4 in \$4,495/pr

STA35 35-W/ch Tube Amplifier

2 channels. 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. Class AB design; isolated regulated power supplies. S/N 90 dB. 16 3/4 x 8 3/4 x 10 3/4 in; 36 lb \$2,395

SA240 40-W/ch Amplifier

2 channels. 40 W x 2. Class AB1 cathode biasing; solid-state rectification. FR 5-50,000 Hz - 1 dB; THD 0.2%; S/N 85 dB. 17 x 3 x 13 in; 25 lb \$1,995

YAMAHA

MX-1 200-W/ch Amplifier

2 channels. 200 W x 2 rms into 8 ohms with 0.008% THD or 350 x 2 rms into 2 ohms from 20-20,000 Hz with 0.09% total harmonic distortion. Features gold-plated PC-board wiring; twin transformers; antivibration antiresonance chassis; Class A amplification; linear damping circuit. Link for CX-1 or CX-2 preamplifier; 3-way binding posts; gold-plated solid-brass inputs. A/B speaker switching. Signal-to-noise ratio 125 dB; damping factor 350. Dimensions: 17 1/8 x 4 3/8 x 19 1/8 in; 52.8 lb \$1,199

MX-2 150-W/ch Amplifier

2 channels. 150 W x 2 rms into 8 ohms with 0.008% THD or 230 x 2 rms into 2 ohms from 20-20,000 Hz with 0.09% THD. S/N 123 dB. Dimensions: 17 1/8 x 4 3/8 x 19 1/8 in; 42 lb \$899

MX-630 135-W/ch Amplifier

2 channels. 135 W x 2 into 8 ohms or 500 x 1 into 1 ohm. Banana-plug outputs. A/B speaker switching; independent L/R level controls; clipping indicators. THD 0.003%. 28.7 lb \$499

MX-460 80-W/ch Amplifier

2 channels. 80 W x 2 rms into 8 ohms from 20-20,000 Hz with 0.012% THD. Features symmetrical input-to-output design; direct ground-sensing circuit. 5-way binding posts. A/B speaker switching; independent L/R level controls. S/N 123 dB. 17 1/8 x 5 7/8 x 15 3/8 in; 21.4 lb \$349

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. Manufacturers' addresses and phone numbers are listed in the directory beginning on page 206. Abbreviations used within this buyer's guide are explained on page 215.

ACOUSTIC RESEARCH

Limited Preamplifier Model 2

2 balanced and 3 unbalanced inputs; balanced and unbalanced outputs. Features 58-step attenuator using Dale metal-film resistors; 4-layer switch for muting and phase inversion. THD 0.002%; S/N 110 dBA. 19 x 4 x 13 in; 15 lb \$2,200

ACURUS

RL11 Preamplifier

6 line-level inputs. Features discrete Class A circuitry; 1% metal-film resistors; polypropylene capacitors; dual-mono power supply. Volume and balance controls; remote control \$795

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; MM/MC phono input; 3 outputs; signal-processor loop. Features one direct-coupled output; Class A circuitry; 1% Roederstein metal-film resistors and metallized-film capacitors on double-copper-plated glass-epoxy printed circuit board; separate headphone amplifier. Record-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. 17 x 3 x 11 1/2 in; 11 lb \$800

GFP-555II Preamplifier

5 line-level inputs; MM and MC phono inputs; bypass output; signal-processor loop. Features AC- and DC-coupled outputs; 2-sided copper-plated circuit board; 1% Roederstein resistors and film capacitors; separate headphone amp. Switchable phono-input capacitance and gain; tape dubbing capability; record-out selector. FR 5-85,000 Hz ± 0.5 dB; THD 0.02% phono, 0.003% line; S/N 90 dBA phono, 100 dBA line. 17 x 3 x 11 1/2 in; 11.5 lb \$500

Preamplifier/Tuners

GTP-600 A/V Preamplifier/Tuner

4 line-level audio inputs; 4 composite/S-video inputs and outputs; composite and S-video monitor outputs; gold-plated RCA connectors. Features DSP, Dolby Pro Logic decoder; multiple surround modes including Cinema augmentation of Dolby Pro Logic; rear-channel delay up to 100 ms; programmable remote. 17 x 4 1/4 x 11 1/4 in; 17 lb \$1,000

GTP-500II Preamplifier/Tuner

4 line-level inputs; MM phono input. Features AC- and DC-coupled outputs; 1% Roederstein resistors in all critical applications; quartz-referenced digital-synthesis tuning; high-blend circuit. Auto scan tuning; 8 AM/FM presets; 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. FM: S/N 75 dB stereo; THD 0.09% at 1,000 Hz stereo. 17 x 3 1/4 x 12 3/4 in; 16 lb \$600

GTP-450 Preamplifier/Tuner

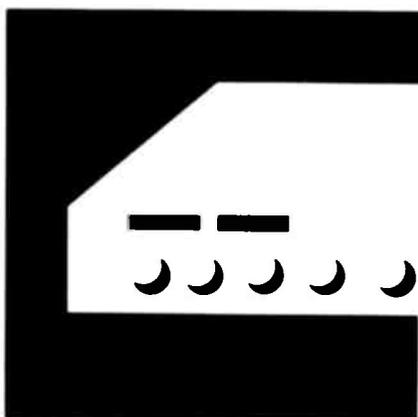
5 line-level inputs; signal-processor loop. Quartz-referenced digital-synthesis tuning. 14 AM/FM presets; remote control. 17 x 3 x 12 1/2 in; 14 lb . . . \$450

GTP-400 Preamplifier/Tuner

MM/MC phono input. Features Class A phono stages. 8 AM/FM presets; record-out selector; tone control. FR 20-20,000 Hz ± 0.1 dB; THD 0.01%; 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; S/N 80 dB mono, 75 dB stereo. 17 x 3 1/4 x 12 3/4 in; 15 lb \$399

GTP-350 Preamplifier/Tuner

5 line-level inputs. Features quartz-referenced digital-synthesis tuning. 14 AM/FM presets; record-out selector. 17 x 3 x 12 1/2 in; 14 lb \$330



AIR TIGHT

ATC-2 Tube Preamplifier

Line-level inputs. Features one 12AX7, one 6X4, and two 12AU7 tubes. FR 5-100,000 Hz ± 1 dB; S/N 10 dBA. 16 1/2 x 6 1/4 x 13 1/2 in; 319 lb \$5,400
ATE-1. Phono stage for above \$1,995

ATC-1 Tube Preamplifier

Phono and line-level inputs. Features five 12AX7 tubes for output stage; 3-stage configuration EQ; 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 \$3,400

AMC

AV81 A/V Preamplifier

8 audio inputs, 4 composite-video inputs; buffered video and record outputs. Record-out selector; remote-controlled source selection. THD 0.01%; S/N 95 dBA \$500

AV81HT. As above, with Dolby Pro Logic decoder.

AV81THX. As AV81HT, THX certified. Features re-equalization circuitry for high-frequency response; decorrelation circuitry for rear-channel enhancement \$799

AMERICAN HYBRID TECHNOLOGY

AHT/H Preamplifier

One tape 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. 19 x 3 1/2 x 14 in \$1,750

Model 18K Preamplifier

6 inputs; 2 outputs. Features Class A circuitry; dual-mono DC power supply. 19 x 3 x 11 in. . . . \$995

ARCAM

Delta 110 Digital Preamplifier

Coaxial and fiber-optic digital inputs; 5 analog inputs; MC/MM phono inputs; 2 tape loops. Features 1-bit D/A converter; separate toroidal power transformers for digital and analog sections; standby mode. Record-out selector; remote \$1,500

Delta 110S. As above, without digital inputs. 6 analog inputs \$1,100

AUDIO BY VAN ALSTINE

FET-Valve Tube Preamplifier

Phono inputs; 2 tape loops; 5 line-level inputs; headphone jack. Features hybrid vacuum tube/MOSFET

design; voltage and current-overload protections; toroidal transformer; straight-line design; regulated power supplies. Volume and balance controls. 12 x 3 1/2 x 9 in; 8 lb \$995

Super Fas 4I Tube Preamplifier

Gold-plated phono input; 5 gold-plated line-level inputs; 2 tape loops; headphone jack. Features straight-line vacuum-tube voltage-gain circuits followed by solid-state current drivers; toroidal transformer; regulated power supplies; ceramic selector switch; 240-V operation. Volume and balance controls. Black anodized faceplate \$795
Kit version of above \$595

Omega Two Preamplifier

Phono input; 5 line-level inputs including 2 tape loops; headphone jack; gold-plated connectors; 3 AC outlets. Stepped volume and balance controls with 0.1-dB precision. 12 x 3 1/2 x 9 in; 8 lb \$445

AUDIO DESIGN ASSOCIATES

DSP-8 Preamplifier

5 balanced inputs; 3 balanced tape loops; signal-processor loop; digital source switching input; 2 outputs; 8 source-pulse outputs; switched AC outlet. Balance, bass, midrange, treble, and tape-monitor controls. FR 5-30,000 Hz ± 3 dB; THD 0.05%; S/N 90 dB. 3 1/2 x 19 x 11 1/4 in; 8 lb \$1,250

ADP-8 Preamplifier

5 inputs, 3 tape loops; signal-processor loop; 2 outputs; switched AC outlet. Balance, bass, midrange, and treble controls. FR 20-20,000 Hz ± 0.25 dB; THD 0.05%; S/N 85 dB. 3 1/2 x 19 x 11 1/4 in; 8 lb. . . \$1,133

AUDIOLAB

Model 8000C MkII Preamplifier

MM/MC phono inputs; 2 tape loops. Features Class A operation; current mirror bias. Record-out selectors; defeatable phase-compensated tone controls; muting switch. FR 20-20,000 Hz ± 0.5 dB; THD 0.01%; S/N 92 dB line, 81 dB MM, 77 dB MC. 17 1/2 x 3 x 13 in; 15 lb \$699

AUDIO NOTE

M7 Tube/Silver Preamplifier

MM phono input. Features zero feedback; silver circuit wiring; tantalum resistors; series-regulated push-pull circuit; silver-foil capacitors; copper chassis. FR 5-50,000 Hz; THD 0.5%; S/N 80 dB MM . . . \$19,500
M7 Tube. As above, features paper-in-oil capacitors \$13,500

M7-Phono Tube Phono Preamplifier

MM phono input. Features silver refinements; regulated power supply \$16,750

M7 Line/Silver Preamplifier

MM phono input. Features zero feedback; series-regulated push-pull circuit; silver hand wiring; tantalum resistors; silver-foil capacitors; copper chassis \$11,500

M7 Line. As above, with paper-in-oil capacitors \$7,500

M3-Phono Tube Preamplifier

MM phono input. Features all-copper chassis; mono power supply; valve rectification and regulation; Black Gate electrolytics; power supply chokes; paper-in-oil capacitors; silver wiring \$4,995
M3-Line Tube. As above, no phono stage. . . \$3,495

M2-Phono Tube Preamplifier

MM phono input. Features valve-regulated power supplies; choke and valve rectifiers; paper-in-oil signal capacitors; Black Gate electrolytics \$2,995
M2-Line. As above, no phono stage \$1,795

M1-Phono Tube Preamplifier

MM phono input. Features valve-regulated power supply \$1,395

P R E A M P L I F I E R S

M1-Line. As M1, no phono stage \$995

AUDIO RESEARCH

The following feature a 3-yr warranty with vacuum tubes warranted against defect for 90 days.

LS5 Tube Preamplifier

6 line-level inputs including 5 XLR inputs and tape; 3 outputs including 2 XLR outputs and tape. Features fully balanced topology from input to output; all vacuum-tube gain with electronically regulated power supply; cross-coupling circuit. FR 1-100,000 Hz -3 dB. 19 x 5 1/4 x 11 3/4 in; 13 lb \$4,495

LS2 Tube Preamplifier

6 line-level inputs; 1 RCA and 2 XLR outputs; gold-plated connectors; defeatable tape outputs. Features hybrid FET/tube Class A circuitry; gold-contact input selector; active feedback circuit; 3 decoupled electrolytic capacitors; auto-muting circuit. 41-detent attenuator. FR 1-100,000 Hz +0.5, -3 dB; S/N 100 dB. 19 x 5 1/4 x 10 1/4 in; 13 lb \$2,495
LS2B. As above, balanced inputs. 14 lb \$2,995

PH2 Phono Preamplifier

2 XLR inputs; 2 XLR outputs; MM/MC phono input. Features fully balanced topology from input to output; shielded toroidal power transformer; regulated power supply. FR 10-60,000 Hz; THD 0.005%. 19 x 5 1/4 x 11 3/4 in; 13 lb \$2,495

SP-9 MkII Tube Preamplifier

2 tape loops; MC phono input; gold-plated connectors. Features vacuum tubes in phono and line stages; shielded toroidal power transformer; auto mute circuit. Mute switch; tape-monitor controls. FR 5-50,000 Hz ±0.5 dB line, 20-20,000 Hz ±0.3 dB phono \$1,875

LS3 Preamplifier

7 line-level inputs; 3 outputs. Features DC-coupled inputs; regulated power supply; direct gain path. Input selector switch. FR 2-100,000 Hz -3 dB. 19 x 5 1/4 x 10 1/4 in; 11 lb \$1,495
LS3B. As above, with balanced output \$1,995

PH1 Phono Preamplifier

2 Inputs; 2 outputs; gold-plated RCA connectors. Features FETs; shielded toroidal transformer; discrete Class A circuitry. Manual muting; LED indicator. FR 10-60,000 Hz ±0.25 dB; THD 0.005%. 19 x 5 1/4 x 10 1/4 in; 10 lb \$1,495

AUDIOSOURCE

Pre-One Preamplifier

6 line-level inputs; MC phono input; 2 main outputs. Features electronic switching. Bass EQ; tape-dubbing capability. Total harmonic distortion 0.008%; signal-to-noise ratio 100 dB \$250

AUDIRE

The following feature a 3-yr warranty.

Andante Preamplifier

MM/MC phono inputs; 5 line-level inputs; 2 tape loops; 4 switched and 4 unswitched AC outlets. Features Class A FET circuitry; dual regulated power supplies. Defeatable tone controls. 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 \$1,055

Legato Preamplifier

MM phono input; 5 line-level inputs; 2 tape loops; two outputs. Features regulated power supply; subsonic filter. Frequency response 0-100,000 Hz +0, -0.25 dB; signal-to-noise ratio 90 dB. Dimensions: 19 x 2 1/4 x 7 in; weight: 6 lb \$540

B&K COMPONENTS

Sonata MC-101 Preamplifier

6 inputs; MM/MC phono input; 2 tape loops; balanced outputs. Features discrete DC-coupled circuit topology; high-cut filter. Record-out selector; tone controls. FR 1-150,000 Hz; THD 0.02%; S/N 72 dB. 17 x 3 1/2 x 12 in; 22 lb \$798

Sonata Pro-10MC Preamplifier

6 Inputs; MM/MC phono input; 2 line-level and 2 balanced outputs; tape loop. Features discrete DC-coupled circuit topology; external power supply. Record-out 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; THD 0.02%; S/N 89 dB. 17 x 2 1/2 x 9 in; 10 lb \$398
CS-115. As above, no tone controls \$348

BOULDER

LSAE Preamplifier

Two balanced XLR inputs; 4 RCA inputs; balanced and unbalanced outputs. Tape-monitor controls \$3,275

L3AE Preamplifier

5 line-level inputs; balanced XLR outputs; tape loop; gold-plated connectors. Phono input optional. THD 0.0025%. 17 x 3 3/4 x 15 1/4 in; 13 lb \$1,950

Modular Preamp Components

Each module has gold-plated connectors, uses a common power supply, and measures 14 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

Buffered inputs. Volume and balance controls; mono/stereo and polarity switches; -20 dB mute \$1,439

MS11 Phono Preamp Module

MM and MC phono inputs; balanced and unbalanced outputs. Performs RIAA EQ and gain adjust. Features switchable Bessel 3-pole low-cut filter at 10, 20, or 30 Hz. MC input with 20-dB gain optional. 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

MF04. Mainframe preamp housing for 4 modules. Full-rack size with removable ears \$249

MF02. Mainframe preamp housing for 2 modules. Half-rack size \$199

MF01. Mainframe preamplifier housing for 1 module \$179

ABL Connectors. For unbalanced to balanced input \$99

MS00. Blank panel for unused slots \$79

BRUCE MOORE AUDIO DESIGN

Companion Tube Preamplifier

5 inputs; 2 outputs. Features 2 tubes; inverted polarity. THD 0.06%; S/N 86 dB; channel separation 84 dB

at 1,000 Hz \$1,395

BRYSTON

The following feature a 20-yr parts-and-labor warranty.

BF-20 Preamplifier

2 balanced inputs; 5 unbalanced inputs; 2 unbalanced outputs; balanced output; tape and processor loops. FR 20-20,000 Hz. 19 x 1 3/4 x 11 in \$NA

BP-5 Preamplifier

Phono input; 3 line-level inputs; balanced output; tape and processor loops. Features 2-stage phono section; no internal wiring with components plugging directly into boards; volume control laser-trimmed to 0.25 dB accuracy. FR 22-20,000 Hz; THD 0.005%; S/N 80 dBA phono, 95 dBA line. 19 x 1 3/4 x 8 in \$895

TF-1 Phono Preamplifier

MC phono input. FR 5-30,000 Hz ±0.5 dB; S/N 85 dB MC. 2 x 3 x 4 in \$750

BP6 Phono Preamplifier

MM/MC phono input; balanced outputs. Polarity inverter. S/N 80 dB MM \$650

CAMBRIDGE AUDIO

C100 Preamplifier

Gold-plated MM/MC phono inputs; 2 tape loops. Features toroidal power transformer. FR 5-130,000 Hz; S/N 80 dB MM, 75 dB MC, 94 dB line. 17 x 3 3/8 x 12 1/2 in; 9.9 lb \$700

C70 Preamplifier

Gold-plated MM/MC phono inputs; tape loop. Features toroidal power transformer; passive EQ in RIAA stage. Defeatable tone controls. FR 10-140,000 Hz; S/N 75 dB MC, 80 dB MM, 95 dB line \$500

CARVER

Sonic Holography refers to proprietary circuitry to enhance sound-stage ambience. ACCD refers to proprietary multipath-rejection circuitry.

Model One Tube Preamplifier

2 tape loops; MM/MC phono input; gold-plated connectors. Features power supply regulated by 6080 vacuum tubes; separate MC and MM head amps with jacks to configure MC resistor loading; infrasonic filter. Bass and treble controls; bypass and absolute-phase switches; gain control. THD 0.5%; S/N 72 dB MC, 80 dB MM. 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 and 2 tape loops; one main output with solid-state transfer characteristic; one main output with vacuum-tube transfer characteristic; headphone jack; 6 AC outlets. Features four 6DJ8 vacuum tubes; infrasonic filter. L/R tone controls with variable turnover; adjustable gain; mono/stereo and absolute-phase switches; tape-dubbing capability. FR 10-20,000 Hz +0, -0.3 dB; THD 0.25%; S/N 86 dB MM, 82 dB MC \$1,200

CT-29v A/V Preamplifier/Tuner

3 video inputs; 8 audio inputs; left, center, right, and subwoofer line-level outputs; 2 rear line-level outputs; S-video connectors. Features DSP for surround; variable Vocal Zoom circuitry to improve intelligibility of center-channel dialog; 18-dB/oct subwoofer crossover; AM, FM, and CATV tuning. Switching capabilities for 2 multiroom zones; Dolby Pro Logic decoder and 5 other surround modes; variable time delay (0-90 ms, 15-30 ms Dolby Pro Logic); auto surround/stereo mode selection; auto input balance; remote surround-level controls; on-screen displays; programmable A/V remote control \$1,000
CT-27v. As above, without 2-zone capabilities or auto surround stereo selection. Remote control not programmable \$800

P R E A M P L I F I E R S

C-20v A/V Preamplifier

5 composite/S-video inputs; 4 audio inputs. Features DSP for surround. Dolby Pro Logic decoder; movie-surround, matrix, 3-channel-logic, and 2 hall surround modes; adjustable rear-channel time delay (15-30 ms Dolby Pro Logic, 0-90 ms other surround modes); selectable 3-, 5-, or 7-dB bass boost at 80 Hz; on-screen menus; dot-matrix display; remote control. FR 10-100,000 Hz -3 dB; THD 0.01% stereo; S/N 87 dBA \$900

CT-17 A/V Preamp/Tuner

7 audio inputs including CD-direct; 2 video inputs; 2 tape loops; signal-processor loop; video-monitor output; headphone jack; remote infrared sensor input for 2-zone multiroom applications; 4 AC outlets. Features Sonic Holography; ACCD; high-cut filter; motor-driven volume control. Dolby Pro Logic decoder; selectable ambience delay; simulated-stereo mode for mono sources; video dubbing capability; 20 AM/FM presets with scan; record-out selector; 3-band EQ; loudness and balance controls; mono/stereo and auto/manual switches; signal-strength indicator; remote control. FR 20-20,000 Hz \pm 1 dB; THD 0.008%; S/N 80 dB MM. FM: AM rej 62 dB; cap ratio 1.9 dB; alt-ch sel 72 dB; S/N 74 dB stereo; THD 0.18% at 1,000 Hz. 19 x 4 x 12 3/4 in \$800

C-15v A/V Preamplifier

3 composite-video inputs; 1 S-video input; audio inputs for 8 audio and 3 video sources; left, center, right, and subwoofer line-level outputs; 2 rear line-level outputs; composite- and S-video monitor outputs; 2 VCR loops; 2 tape loops; signal-processor loop. Features DSP for surround; variable Vocal Zoom circuitry to improve intelligibility of center-channel dialog; 18-dB/oct subwoofer crossover. Dolby Pro Logic decoder and 5 other surround modes; auto input balance; continuously variable time delay (0-90 ms, 15-30 ms for Dolby Pro Logic); switching capabilities for 2 multiroom zones; AV remote control \$700

C-16 Preamplifier

8 inputs including MM and MC phono; 2 signal-processor loops; 2 tape loops; 2 main outputs; headphone jack; 6 AC outlets. Features Sonic Holography. Tape-dubbing capability; L/R tone controls with variable turnover; infrasonic-filter, mono/stereo, and absolute-phase switches. FR 10-20,000 Hz \pm 0, -0.3 dB; S/N 84 dB MM, 88 dB MC; THD 0.01% \$650

CT-3 Preamp/Tuner

6 audio inputs; 3 video inputs; 2 video outputs; pre-out/main-in loops; switchable cable/antenna inputs; 2 AC outlets. 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; remote control. FR 20-20,000 Hz \pm 1 dB; FM: AM rej 62 dB; cap ratio 2.2 dB; alt-ch sel 65 dB; S/N 78 dB stereo; THD 0.2% at 1,000 Hz \$450

Pro-Phile Series

CT-6 Preamp/Tuner

6 audio inputs; 2 tape loops; headphone jack; 4 AC outlets. Features Sonic Holography; ACCD; motor-driven volume control. Tape-dubbing capability; 20 AM/FM presets with scan; auto/manual tuning; FM-mono switch; bass, treble, balance, and loudness controls; 3-level signal-strength indicator; remote control. FR 20-20,000 Hz \pm 1 dB; THD 0.008%; S/N 78 dBA MM. FM: AM rej 62 dB; cap ratio 1.9 dB; alt-ch sel 72 dB; S/N 74 dB stereo; THD 0.25% at 1,000 Hz. 19 x 1 3/4 x 10 in \$580

C-5 Preamplifier

8 audio inputs; 2 tape loops; CD-direct input; headphone jack; remote-sensor input for 2-zone multiroom applications; 4 AC outlets. Features Sonic Holography; motor-driven volume control. Tape-dubbing capability; bass, treble, balance, and loudness controls; remote control. FR 20-20,000 Hz \pm 1 dB; THD 0.008%; S/N 78 dB MM. 19 x 1 3/4 x 10 in \$500

C-3 Preamplifier

8 audio inputs; 2 tape loops; signal-processor loop; CD-direct input; headphone jack; 2 AC outlets. Features Sonic Holography. Tape-dubbing capability; defeatable bass and treble controls; balance and loudness controls. FR 10-100,000 Hz +0, -0.1 dB; THD 0.008%; S/N 75 dB MM \$350

CELLO

Encore Preamp/Tuner

4 line-level inputs; buffered tape outputs; 2 line-level outputs; 1 balanced input; 1 balanced output; 2 tape loops. Outboard phono stage optional \$8,000

The Palette Preamp/Tuner

5 inputs; 2 fixed-level outputs; 2 unbalanced and 1 balanced outputs; 2 tape loops. Features external power supply. 6 tone controls \$6,500

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
Master Power Supply, 120 V	\$3,000
P201. CD input	\$2,800
P201. DAT input	\$2,800
P201. Digital processor input	\$2,800
P100. High-gain MM phono input	\$2,525
P100. MM phono input	\$2,250
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

An optional remote control is available for the Classe Six or Classe Five for an additional \$300 and for the Classe Four for an additional \$200.

Classé Six Preamp/Tuner

MM MC phono, balanced, and 5 line-level inputs; balanced, unbalanced, and buffered tape outputs. Features 27-V output; polystyrene and polypropylene capacitors; toroidal transformer. Input, mode, and bypass selectors; tape-monitor and mute switches. FR 20-20,000 Hz \pm 0.1 dB; THD 0.1%, S/N 85 dB phono, 95 dB line. Satin black and soft shadow silver finish. 19 x 14 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 selector. Output 20 V. 19 x 12 3/4 x 3 3/8 in \$1,595
Without phono stage \$1,495

Classé Thirty Preamp/Tuner

MM MC phono/aux input; balanced inputs; tape inputs; balanced and unbalanced main outputs; buffered tape outputs. Features 1% metal-film resistors; polystyrene and polypropylene capacitors; printed circuit boards; motor-driven volume control; balanced input circuitry. Tape-monitor, balance, volume, and mute switches; input selector; LED display; remote control. FR 20-20,000 Hz \pm 0.1 dB; THD 0.1%; S/N 95 dB line, 85 dB phono. Black and silver finish. 19 x 10 3/4 x 2 1/2 in; 15 lb \$1,195

CODA

Coda FET 01 Preamp/Tuner

6 line-level inputs; phono input; balanced and unbal-

anced outputs. Features FET voltage gain with bipolar current gain; no overall feedback; DC coupling; AC EMI and RF line filter; double-sided gold-plated circuit boards; anodized chassis. Independent listen/record selectors. FR 200,000 Hz \pm 0.3 dB; THD 0.01%; S/N 100 dB. 10-yr warranty/5-yr transferable \$2,750
Coda FET 02. As FET 01, no phono stage \$1,950

CONRAD-JOHNSON

Premier Seven B Tube Preamp/Tuner

Phono and line-level inputs. Features all-tube dual-mono design; separate power supplies for each channel; four 6CW4 nuvistors; eight 6BK5 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. 60 lb \$9,995
Evolution 20SE. As above, mono. 19 x 7 x 15 3/4 in; 37 lb \$5,995
Premier Ten. As Evolution 20SE, without phono stage. 19 x 5 3/4 x 15 3/4 in; 30 lb \$3,495

PV12 Tube Preamp/Tuner

Phono and line-level inputs; 2 tape loops. Features cathode follower outputs and solid-state voltage regulator designed for minimal AC impedance; regulated power supplies; audio circuits with 1% tolerance; military-spec deposited tin-oxide resistors; polystyrene capacitors. Volume control with 0.5-dB tracking; auto turn-on/off mute. 16 x 3 3/4 x 10 in \$2,395
PV12L. As above, without phono stage \$1,795

PF2 Preamp/Tuner

Phono and 4 line-level inputs. Features all-FET design; distortion-canceling circuitry; polypropylene and polystyrene audio circuitry; power-supply capacitors; metal-film resistors. FR 2-75,000 Hz +0, -3 dB; THD 0.1%. 19 x 3 1/2 x 12 1/2 in; 15.5 lb \$1,795
PF2L. As above, without phono stage \$1,395

PV10 A Tube Preamp/Tuner

Phono and 5 line-level inputs; 1 tape 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. THD 0.01%. 16 x 11 x 3 3/4 in \$995

COUNTERPOINT

SA-11 Tube Preamp/Tuner

6 line-level inputs; 1 video input. Features vacuum-tube power supply and audio circuitry; industrial-grade stepper motors controlling 2 custom 41-position attenuators. 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. Features tube/solid-state design; separate regulated tube power supply; absolute-phase control; adjustable phono gain; buffered output. FR 4-60,000 Hz \pm 0.1 dB; THD 0.01%. 19 x 4 1/2 x 12 5/8 in; 39 lb \$3,595
SA-3000. As above. FR 8-40,000 Hz \pm 0.1 dB; 22 lb \$1,995
SA-2000. As SA-3000, no phono inputs \$1,595

SA-1000 Tube Preamp/Tuner

MC MM phono inputs; 3 line-level inputs. Features hybrid 3-tube/solid-state circuitry. FR 2-170,000 Hz \pm 0.1 dB; THD 0.065%; S/N 83 dBA. 19 x 4 1/2 x 12 5/8 in; 20 lb \$1,095

Solid-8 Preamp/Tuner

6 line-level inputs; 2 tape loops. Features FET design. FR 1-500,000 Hz \pm 1 dB; THD 0.03%; S/N 87 dB. 19 x 2 1/4 x 10 in; 14 lb \$995

CROWN INTERNATIONAL

PSL-2 Preamp/Tuner

Phono and line-level inputs. Subsonic filter; loudness circuit; auto mute protect; defeatable tone controls; balance control; overload, rumble, and signal-pres-

ence indicators; tape-dubbing capability; 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. 19 x 1 3/4 x 1 1/2 in; 11 lb \$795

DB SYSTEMS

DBR-15B/DB-2A Preamplifier

Combines DB-1B and DB-5 (see Signal Processors) in 19-in rack-mount unit. Includes cable \$1,115
With oak cabinet \$1,265

DB-1A/DB-2A Preamplifier

Phono and line-level inputs. Features separate DB-2A regulated power supply; 20- and 36-Hz low-cut filters; 5,000- and 10,000-Hz high-cut filters. FR 10-40,000 Hz \pm 0.07 dB phono, 2-50,000 Hz \pm 0, -1 dB line; THD 0.0008%; S/N 89 dBA phono, 90 dBA line. 5-yr warranty. 8 1/2 x 3 1/4 x 7 in \$535

DB-1B/DB-2A. As above, gold-plated connectors. Features 80-dB Alps tracking volume control. Solid-oak cabinet with hand-rubbed tung-oil finish. 12 x 3 3/4 x 7 in \$740

DBR-1B/DB-2A. DB-1B in 19-in rack mount \$645

DB-1A-HL/DB-2A. As DB-1A, 5 line-level inputs, no phono stage. Alps 80-dB tracking volume control. FR 1-250,000 Hz \pm 3 dB; THD 0.0006%; S/N 92 dB. 3-yr warranty \$535

DB-1B-HL/DB-2A. As DB-1A-HL, gold-plated connectors. Features 80-dB Alps tracking volume control; loudness-compensation switch. Solid-oak cabinet with hand-rubbed tung-oil finish \$620

DB-4B Phono Preamplifier

MC input. Features diode input protection; cascode amps. Internal 3-position gain switch. FR 10-100,000 Hz \pm 0, -0.1 dB; THD 0.0008% \$205
With DBP-4 coupler and DB-2A power supply. \$275

DENNESEN

JC-90 Mono Preamplifier

MC phono input; balanced outputs. Features polarity inverter. THD 0.005%; S/N 100 dB \$3,200

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; 4-gang volume control with parallel sections. Record-out selector. THD 0.005% at 1 V; S/N 105 dBA line, 90 dBA MM, 80 dBA MC \$3,000

AVP-5000 Digital A/V Preamplifier

4 fiber-optic and 2 coaxial digital inputs; 1 fiber-optic digital output; 11 analog audio inputs; 8 variable and 4 fixed analog audio outputs; 4 video inputs; 6 video outputs; composite and S-video inputs. Features 2 digital ICs performing preamp, sound-field processing, Dolby Pro Logic, and surround-sound functions; 2 Lambda ladder-type and 4 AI hybrid multi/1-bit D/A converters; dual sigma-delta A/D 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

PRA-1500 A/V Preamplifier

2 tape loops; balanced output; MM/MC phono inputs; 2 video inputs; 1 video output; mono-wideband and subwoofer outputs. Features unity-gain interface; source-direct mode. Denon IS-system remote control \$500

HMA-500 Karaoke A/V Preamplifier

3 mic inputs; 4 video inputs; 2 video outputs; 4 audio inputs; 2 audio outputs. Ideal for home/mobile karaoke systems. Mic mixing; function to shift musical key without changing tempo; function to automatical-

ly eliminate or restore karaoke CD vocal track depending on whether user is actually singing; vocal eliminator for non-karaoke software; mic-echo effect; surround effect; level controls for each mic \$500
DM-K10. Cardioid mic for HMA-500. Features switch for key-shift function \$125

DYNACO

PAS-4 Tube Preamplifier

4 line-level inputs; MM phono input; 2 tape loops; signal-processor loop. Features four 6DJ8 and two 12AX7 tubes. Tape-dubbing capability. THD 0.25%; S/N -86 dB. 17 x 3 1/2 x 12 1/4 in; 12 lb \$750

PAT-5 Series II Preamplifier

5 line-level inputs; 2 tape loops; signal-processor loop; headphone jack; gold-plated inputs. Features phase-inverted outputs. THD 0.02%; S/N 100 dB. 17 x 3 1/2 x 12 1/4 in; 10 lb \$750

PAT-6 Preamplifier/Tuner

5 line-level inputs; 2 tape loops; headphone jack. Features MPX filters. 18 presets; tone controls. THD 0.02%; S/N 100 dB. 17 x 3 x 12 1/4 in; 8 lb \$495

ELECTROCOMPANET

EC-20 Preamplifier

MC phono input. 20-anniversary model sold only with the AW-20 amplifier (see Power Amplifiers). Features fully balanced dual-mono design. Norwegian Labrodite stone face panels; gold lettering; gold-plated control knobs. With AW-20 amplifier \$6,000

EC-3MC Preamplifier

MC phono and 5 line-level inputs; gold-plated RCA connectors; XLR outputs. Features Class A operation; dual-mono design. Separate listen/record selectors; balance control. 19 x 3 1/2 x 11 in; 13 lb \$1,999
EC-3MM. As above, no MC input. Features MM phono input \$1,799

EC-4 Preamplifier

6 line-level inputs; balanced/unbalanced CD input; XLR and RCA outputs; gold-plated RCA connectors. Balance controls; two source selectors. THD 0.001%; S/N 100 dB line. 19 x 3 1/2 x 11 in; 13 lb \$1,499

ECP-1 Phono Preamplifier

MC and MM phono inputs. Features current-sensing circuitry \$599

ELECTRONIC VISIONARY SYSTEMS

Ecstasy 3000 Preamplifier

6 inputs. Features dual-mono design; 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 Ecstasy 2000, without active buffer \$875

Ultimate Attenuator Preamplifier

Balanced/unbalanced input. Custom made to meet consumer's specifications. Features 12- or 24-position stepped attenuators. Passive volume controls \$230-\$500

ENCORE

DL 2010.2 Tube Preamplifier

6 line-level inputs; MM and MC phono inputs; gold-plated connectors; 2 tape loops. Features vacuum tubes for voltage amplification of phono and line stages; MIT capacitors; no switch or potentiometer contacts in signal path; bipolar switching for signal inputs; filtered surge-protected power source; military-spec glass-epoxy circuit board; silver-plated tube sockets. Custom-stepped volume attenuator; standby switch; LED indicators. Frequency response 0.5-175,000 Hz \pm 3 dB; total harmonic distortion 0.05%. 17 3/8 x 4 1/4 x 15 in \$3,350
DL 2010.2-L. As above, no phono stage \$2,895

FORTE

F44 Preamplifier

6 line-level inputs; tape-monitor loop; 1 unbalanced and 2 balanced outputs; gold-plated connectors. Features noninverting FET design; matched gain devices enhanced with discrete pure Class A biasing; active constant-current sourcing; glass-epoxy circuit boards. Listen/record selectors; balance control; remote control. THD 0.05%; S/N 100 dB \$1,095
MM/MC phono stage for above \$300
F45. As F44, without remote control \$990
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

HAFLER

Model 915S Preamplifier

5 line-level inputs; MM/MC phono input; 1 tape loop; headphone jack. Features Class A J-FET topology. THD 0.02%; S/N 100 dB. Black. 7-yr warranty. 19 x 1 3/4 x 7 7/8 in; 8 lb \$800
Model 915. As above, silver. Rack mountable. 17 x 1 3/4 x 7 7/8 in \$750

Model 945 Preamplifier/Tuner

5 line-level inputs; 2 tape loops; A/V output; headphone jack. Features Class A J-FET line amplifiers; MPX filters; double balanced mixer. 18 tuner presets; defeatable tone controls. THD 0.02%; S/N 100 dB. Rack mountable. 7-yr warranty. 19 x 2 1/2 x 10 1/2 in; 10 lb \$700

HARMAN KARDON

AP2500 Preamplifier

5 inputs including tape; MM/MC phono input. Features low-induction geometry; all-discrete circuitry from input to output. FR 0.1-250,000 Hz \$599

PT2300 Preamplifier/Tuner

7 inputs; 2 A/V inputs; 2 VCR/tape monitors; 1 subwoofer and 2 line-level outputs. Features discrete circuitry; digital quartz-locked tuner; dubbing capability. 16 AM/FM presets; remote control \$599

HEYBROOK

C-3 Preamplifier

MM, MC, tape, and 5 line-level inputs. Features overload protection; aluminum chassis. FR 10-50,000 Hz \pm 3 dB. 17 x 3 x 13 in; 8 lb \$798

J.A. MICHELL

Iso Preamplifier

MC phono input. Features phase-compensated circuitry; remote power supply; 2 pairs of op-amps. LED display. 7 x 2 x 4 in; 1 lb \$895

JEFF ROWLAND

Consummate Preamplifier

3 balanced and 3 unbalanced inputs; balanced and unbalanced outputs. Features Class A FET design; separate power supply with dual toroidal transformers; AC power-line filter. Microprocessor-controlled volume and switching; selectable gain; remote control. FR 0.05-160,000 Hz \pm 3 dB; THD 0.008%. 15 x 5 1/2 x 13 3/4 in; 28 lb \$5,950

Consummate Phono Stage. For above. Balanced and unbalanced inputs and outputs; selectable gain. FR 0.15-250,000 Hz \pm 3 dB; THD 0.02%; S/N 80 dB. 15 x 2 5/8 x 13 3/4 in; 10 lb \$2,800

Consummate Phono Stage II. For above. Unbalanced input and output. Selectable gain. FR 0.15-220,000 Hz \pm 3 dB; THD 0.04%; S/N 80 dB. 7 1/2 x 2 5/8 x 13 3/4 in; 3 lb \$950

Consonance Preamplifier

1 phono and 5 unbalanced inputs; balanced and unbalanced outputs. Features microprocessor-controlled volume and switching. Selectable line gain; remote control. FR 0.15-220,000 Hz \pm 3 dB phono,

P R E A M P L I F I E R S

0.08-200,000 Hz +3 dB line; THD 0.04% phono, 0.012% line. 15 x 2 5/8 x 13 3/4 in; 14 lb\$3,700

JRM

JRM Preampifier

MM and MC phono inputs; 4 line-level inputs. Features polypropylene capacitors; gold-plated electromechanical devices; 2-stage RIAA EQ with ± 0.1 dB conformity; 18-dB subsonic filter; 10 W x 2 head-phone amp. Separate input selectors for main, record, and out. FR 0-50,000 Hz +0, -1 dB; THD 0.001%; S/N 76 dB MC, 87 dB MM. 19 x 2 3/4 x 8 1/2 in\$675

KINERGETICS

KPA-3 Preampifier

4 line-level inputs; tape and processor loops; balanced and unbalanced main outputs. Features Class A hybrid circuitry; J-FET/bipolar design. 17 1/2 x 2 x 13 3/4 in\$1,495

KLYNE AUDIO ARTS

System Seven Series

Model 7LX P Preampifier

Balanced output; phono input. Features 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 7PX2.5/B Phono Preampifier

MC input. Features external dual-bridge power supply. OFC balanced connectors. Adjustable gain and high-frequency contour. Preamp 20 lb. Power supply 3.4 lb\$3,750

Model 7PX2.5. As above, features unbalanced output\$3,450

Model 7LX Preampifier

Balanced output; unbalanced line-level input. Features dual-bridge power supply\$3,450

System Six Series

Model 6LX2 Preampifier

4 line-level inputs. Features outboard power supply. Independent listen/record selectors; switchable line gain; stepped attenuator. Various phono boards optional. 19 x 2 1/2 x 11 1/2 in; 12 lb\$2,750

Model 6L2. As above, integral power supply\$2,150

Model 6LE. As Model 6L2, without switchable line gain, stepped attenuator, or phono-board options\$1,750

Model 6LE/P. As Model 6LE, includes phono board\$2,250

Model 6PX1. Plug-in phono board for 6LX2; adaptable to 6L2. Features adjustable gain\$1,250

Model 6PI. Lower-grade version of above, adaptable to 6LX2 or 6L2\$650

LAZARUS

LLS Series

The following feature removable side blocks.

LPH-2 Tube Phono Preampifier

MC phono input; line-level output. Features 8 tubes; 2-chassis fully balanced design; all-tube signal path. LED indicator\$2,500

LLS-2 Tube Preampifier

RCA line-level inputs; RCA and balanced-XLR outputs. Features 4 tubes; fully balanced dual-mono design with separate L/R circuit boards and power transformers; ability to configure with variety of tubes including 6DJ8 and 12AU7\$2,000

LLS-3. As above, with balanced inputs, relay input switching, 1/2-dB-stepped attenuator, L/R volume displays, and remote control\$3,000

LLS-4. As LLS-3, with second chassis including individual transformers and output regulation for each channel and additional separate transformer

and regulation for control circuitry\$4,000

LPH-1 Tube Phono Preampifier

MC input; line-level output. Features 4 tubes; all-tube signal path; LED indicator\$1,297

Cascade Series

The following measure 19 x 1 3/4 x 8 1/2 in.

Balanced Phono Tube Preampifier

Balanced inputs and outputs. Features two-chassis dual-mono design; all-tube signal path; 4 tubes per channel\$1,999

Cascade Classic MkII Tube Preampifier

MM/MC phono input. Features 4 tubes; all-tube signal path. 17 x 1 3/4 x 8 1/2 in\$999

Well-Balanced Tube Preampifier

6 line-level inputs; balanced outputs. Features 4 tubes; balanced differential design. Absolute-phase and mute switches. 17 x 1 3/4 x 8 1/2 in\$999

Cascade Tube Phono Preampifier

MC input; line-level output. Features 4 tubes; all-tube signal path. LED indicator\$999

LINN

Kairn Preampifier

7 inputs; phono input; 3 line-level outputs. Remote-control operation; front-panel controls. 13 x 3 1/2 x 13 in; 10 lb\$2,595

Without phono input\$2,195

Pretek Preampifier

7 inputs; MC/MM phono inputs. 17 1/4 x 3 5/8 x 14 in; 14.3 lb\$795

MADISON FIELDING

L-1 Tube Preampifier

5 line-level inputs; 2 tape loops; RCA and balanced outputs. Features hybrid solid-state/tube circuitry; motor-driven volume control. 19 x 4 1/2 x 13 in; 12 lb\$2,495

MAGNUM DYNALAB

Model 55 Preampifier

1 line-level input; 4 unbalanced, 2 main, and 2 tape outputs; gold-plated RCA connectors. Features direct-coupled design with DC-servo loop; double-sided fiberglass-epoxy circuit board; silver-plated copper wiring. Dual monitoring capability. FR 20-20,000 Hz ± 0.1 dB; THD 0.05%\$1,395

Model 10 Phono Preampifier

MM/MC phono input; gold-plated RCA connectors. Features direct-coupled design with DC-servo loop; double-sided fiberglass-epoxy circuit board; silver-plated wiring. THD 0.05%\$1,195

MARANTZ

PH-22 Phono Preampifier

Provides RIAA, Europe Standard Play I, Europe Standard Play II, and flat equalizations. Discrete Class A differential-mode FETs for MM amplification; Permalloy-core transformer with OFC windings for MC amplification; infrasonic roll-off in accordance with 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. Gold finish. 9 3/4 x 3 3/8 x 8 1/2 in; 9.5 lb\$1,099

SC-22 Preampifier

4 line-level inputs; tape 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; Permalloy balanced output transformers; 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. Gold finish. 9 3/4 x

3 3/8 x 8 1/2 in; 9.2 lb\$999

AV-50# A/V Preampifier

8 gold-plated RCA audio inputs; 4 gold-plated RCA video inputs; 4 S-video inputs; front-panel composite/S-video A/V 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; 1 unswitched and 2 switched AC outlets. Features motor-driven volume control. Dolby Pro Logic decoder; auto input balance; 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 capabilities; switchable 3-, 5-, or 7-dB bass boost at 70 Hz; mute switch; on-screen displays; defeatable FL dot-matrix display; remote control. 17 7/8 x 3 3/8 x 13 1/2 in\$899

SC-80 Preampifier

MM/MC phono input; 4 line-level inputs; 2 tape loops; normal and phase-inverted outputs; signal-processor loop; RC-5 remote-control interface. 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 mode; motor-driven volume control. Defeatable narrow-Q bass and treble controls; record-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 26S Preampifier

6 line-level inputs; phono input; nonbuffered tape outputs; XLR connectors. Features Teflon circuit boards; dual-mono design; external chassis with separate power supplies for control section and each channel; 2 toroidal transformers; matrix-style DC switching; hermetically sealed silver contacts with gold plating; 9 gold-plated contacts for connecting cable. Mono/stereo switch; selectable 6-, 12-, or 18-dB gain for unbalanced output; selectable 12-, 18-, or 24-dB gain for balanced output. Preamp: 17 1/2 x 2 3/4 x 13 1/8 in. Power supply: 7 3/8 x 2 3/4 x 13 1/8 in; 32 lb\$8,495

Without phono stage\$7,495

Model 26. As Model 26S, circuit boards not Teflon\$6,495

Model 26 without phono stage\$5,495

Model 28 Preampifier

7 inputs including 2 gold-plated balanced XLR inputs; MM/MC phono input; 1 selectable phono/line input; 5 unbalanced inputs; balanced and unbalanced main outputs; unbalanced outputs for 2 tape decks. Features dual-mono design; single custom transformer with separate windings and grounding systems; distributed power supply regulation; MM and MC phono modules each with 2 gain settings; custom-made Teflon capacitors in RIAA sections of both phono modules; separate power supply. 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\$3,995

Without phono stage\$3,495

MCINTOSH

MX-13C A/V Preampifier/Tuner

5 line-level inputs; 1 switchable 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; switched AC outlets. Compatible with CR-10 multiroom system and HC-1 controller. Dolby Pro Logic decoder with delay and calibration controls; AM/FM tuner; 2-zone control; variable loudness and tone controls; muting; remote control. 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 17 in; 30 lb\$3,600

C-39. As above, without tuner\$3,000

P R E A M P L I F I E R S



McIntosh C-38

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; switched AC outlets. Compatible with CR-10 multiroom system and HC-1 controller. Features electromagnetic switching, 2-zone control; variable loudness and tone controls; muting. Frequency response 20-20,000 Hz ± 0.5 dB; total harmonic distortion 0.002%; signal-to-noise ratio 90 dBA phono, 105 dBA line. 17½ x 5¾ x 17 in; 20 lb ... \$2,000

C-36 A/V Preamplifier

6 line-level, 1 phono, and 1 video inputs; two processor loops; gold-plated connectors; switched AC outlets. Features electromagnetic switching; double-shielded power transformer; electronically regulated power supply. Separate listen and record selectors; variable loudness and tone controls; power-on muting. FR 20-20,000 Hz ± 0.5 dB; THD 0.002%; S/N 90 dB phono, 105 dB line. 17½ x 5¾ x 15½ in; 18 lb ... \$1,700

C-712 Preamplifier

Balanced outputs; processor loop. Features electromagnetic switching. Bass and treble controls; tape-monitor control. FR 20-20,000 Hz ± 0.5 dB; THD 0.002%. 17 x 5¾ x 15½ in; 26 lb ... \$1,300

MELOS

MA-111B Preamplifier

MM/MC phono inputs; line-level input; tape loop. Features aluminum chassis; external toroidal power supply. FR 2-300,000 Hz ± 1 dB; THD 0.09%; S/N 70 dB MM, 65 dB MC ... \$1,395
MA-110B. As above, without phono stage ... \$1,195

Gold Series

MA-333B Gold Tube Preamplifier

6 inputs including MM and MC; processor loop; balanced inputs and outputs; Tiffany connectors. 3-chassis dual-mono construction; zero-feedback amplification; toroidal transformers; regulated power supplies. Frequency response 20-300,000 Hz ± 0.5 dB; total harmonic distortion 0.09%; signal-to-noise ratio 75 dB MM, 70 dB MC ... \$5,795

MA-333B Gold Line. As above, no phono stage ... \$3,695

MA-333 Gold. As MA-333B, 2 tape loops. No balanced inputs ... \$4,895

MA-333 Gold Line. As MA-333 Gold, no phono stage ... \$2,895

MA-333 Gold Phono. As MA-333 Gold, no line section ... \$2,495

MA-220 Gold Tube Preamplifier

6 inputs including MM and MC; 2 processor loops; balanced outputs; Tiffany connectors. Features 2-chassis dual-mono construction; zero-feedback amplification; large toroidal transformers; regulated power supplies. FR 20-300,000 Hz ± 0.5 dB; THD 0.09%; S/N 75 dB MM, 70 dB MC ... \$3,295

MA-220 Gold Line. As above, without phono stage ... \$1,995

MA-220 Gold Phono. As MA-220, no line section ... \$1,395

MERIDIAN

Model 601 Digital Preamplifier

4 line-level inputs; MM/MC phono input; 4 unbalanced RCA and 2 balanced XLR outputs; 2 fiber-optic and 4 coaxial digital inputs; 2 fiber-optic and 2 coaxial digital outputs; Meridian fiber-optic control input and output; headphone jack. Features DSP for RIAA and earlier phono equalizations, octave and speaker equalizations, loudness control, and headphone processing; Hafler surround decoding. Multiroom capability; input-sens controls; remote control ... \$4,950

Model 603 Digital Preamplifier

2 coaxial and 2 fiber-optic digital inputs; 3 analog inputs. Features 2-chassis design with digital-audio circuits, computer-control circuits, and power supplies in 1 chassis, D/A converters and analog audio circuitry in other; 1-bit PDM D/A converters; passive differential analog filtering; 8 regulated power supplies. Auto sampling-rate selection; 64-step volume control; remote control. Sampling rates 32,000 and 48,000 Hz; S/N 106 dBA ... \$2,750

Model 201 MkIII Preamplifier

5 line-level inputs including 2 tape loops; MM/MC phono input. Variable input gain for all sources; tape-dubbing capability; mute; remote control ... \$1,190

MONARCHY AUDIO

Model 33 Digital Preamplifier

Fiber-optic, coaxial, and balanced-XLR digital inputs; 2 line-level inputs. Designed as combination of Model 22A D/A converter and Model 10A preamplifier. Features K-Grade Burr-Brown 20-bit D/A converter. Class A line amplification; aluminum chassis. Selectable line-level gain; 30-step volume control ... \$1,199

Model 10A Preamplifier

6 inputs; active output with selectable gain; passive output; gold-plated connectors. Features buffered design with dual FETs at input ahead of buffer; silver wiring throughout; silver-coated copper ground wiring with Teflon sleeves; FET input; cross-coupled Class A bipolar output; gold-plated selector-switch contacts; pure-copper ground plane. 2-dB-stepped volume control ... \$980

MOTIF

MP11 Preamplifier

4 line-level inputs; MM/MC phono input. Features all-FET design; polypropylene or polystyrene audio circuits and power-supply capacitors; metal-film resistors. FR 2-75,000 Hz ± 0.5 dB ... \$2,395

MC10 Preamplifier

3 phono inputs; line-level inputs. Features all-FET design; polypropylene or polystyrene audio circuits and power-supply capacitors; metal-film resistors. 19 x 3½ x 12 in; 15.5 lb ... \$2,395

MTX SOUNDCRAFTSMEN

P100 Preamplifier

5 audio inputs including phono; tape loop; switched

and unswitched AC outlets; headphone jack. Features C-MOS switching. Bass, treble, and balance controls. FR 20-20,000 Hz ± 0.5 dB; THD 0.008%; S/N 100 dBA. 17 x 1¾ x 10¾ in ... \$400

MUSE

Model One Preamplifier

3 line-level inputs; tape loop. Features separate power supply with 550-VA transformer and filter capacitors. Mute switch; active/passive switch. FR 7-1,500 ± 3 dB; THD 0.2% phono, 0.05% line; S/N 73 dBA phono, 98 dBA line; ch sep 80 dB. Preamp: 19 x 3½ x 12 in; 13 lb. Power supply: 19 x 3½ x 12 in; 23 lb ... \$2,500
 Above without phono stage ... \$2,150

MUSEATEX

Mellor 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%; S/N 95 dB. 16 lb ... \$2,299

NAD

Monitor Series

Model 106 Preamplifier

5 line-level inputs; switchable MM/MC phono input; gold-plated connectors; balanced XLR outputs. Features discrete phono stage; metal-film resistors. Defeatable tone controls; power-on muting; discrete headphone amp. FR 20-20,000 Hz ± 0.2 dB; THD 0.01%; S/N 76 dB phono, 96 dB line. 16 x 3¼ x 10½ in; 8 lb ... \$599

Model 1600 Preamplifier/Tuner

5 line-level inputs; MM/MC phono input; gold-plated phono and CD inputs; signal-processor loop. Features FM blend; infrasonic filter. 14 AM/FM presets; bass EQ; 2-way tape dubbing; defeatable tone controls; rack mounting; remote control. FR 20-20,000 Hz ± 0.3 dB; THD 0.01%; signal-to-noise ratio 75 dB phono, 100 dB line. FM: cap ratio 1.6 dB; alternate-channel selectivity 68 dB ... \$449

Model 1000 Preamplifier

5 line-level inputs; MM/MC phono input; gold-plated phono and CD inputs; signal-processor loop; balanced output; headphone jack. Features switchable infrasonic filter. Bass EQ; tape-dubbing capability; defeatable tone controls; headphone amp; rack mounting. FR 20-20,000 Hz ± 0.2 dB; THD 0.01%; S/N 76 dB phono, 96 dB line. 17½ x 3¼ x 10½ in; 8 lb ... \$349

NAIM

NAC 82 and NAC 72 require power from either a Naim power amplifier with a preamp power supply or a Hi-Cap external power supply.

NAC 52 Preamplifier

Features separate power supply; dual-mono design; motor-driven volume control; separate power supply for each section. LED indicators; remote control. 16¼ x 3 x 11¾ in ... \$9,995

NAC 82 Preamplifier

6 line-level inputs. Features regulated power supply for control circuits in separate chassis. Mute/monitor switch; listen/record selectors; remote control. Phono stage optional. 17 x 3 x 12 in ... \$3,995

NAC 72 Preamplifier

4 line-level inputs. Features matched time-aligned filter. Mute/monitor switch. 11¾ x 3 x 8 in ... \$1,325
 Hi-Cap preamp supply option ... \$1,235
 Phono stage for NAC 72 ... \$115

NAC 92 Preamplifier

1 line-level RCA input; 4 line-level DIN inputs. Tape-monitor controls; balance control. Phono stage optional. 17¼ x 2¼ x 12 in ... \$965

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NAKAMICHI

CA-7A Preamplifier

6 line-level inputs; MM/MC phono inputs; 2 main outputs. Features 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%; S/N 94 dBA. 17 1/8 x 3 1/4 x 12 1/4 in; 15.3 lb\$2,750

CA-5All Preamplifier

5 line-level inputs; MM/MC phono inputs; gold-plated connectors. Features multiregulated isolated-ground power supply; bipolar transistors; FETs. Tape-dubbing capability; balance and tone controls. FR 1-100,000 Hz ±3 dB; THD 0.002%; S/N 95 dBA. 17 1/8 x 2 1/2 x 11 1/4 in; 11.3 lb\$1,150

OCM TECHNOLOGY

The following feature a 5-yr limited parts-and-labor warranty.

Model 88 Preamplifier

5 line-level RCA inputs; 2 main RCA outputs; 2 balanced inputs; 1 balanced main output; tape output. Features metal-film resistors; gold-plated relays. LED display; remote control. FR 20-20,000 Hz ±0.1 dB; THD 0.05%. 17 x 3 1/2 x 10 1/2 in; 18 lb\$2,195

Model 55 Preamplifier

Line-level input; 4 unbalanced, 2 main, and 2 tape outputs; gold-plated RCA connectors. Features direct-coupled design with DC-servo loop; double-sided fiberglass-epoxy circuit board; silver-plated copper wiring. Dual monitoring capability. FR 20-20,000 Hz ±0.1 dB; THD 0.05%. Anodized black-aluminum faceplate\$1,395

ONKYO

Integra P-388F Preamplifier

9 line-level inputs; MM/MC phono inputs; balanced CD input; 2 tape loops; balanced outputs. Features multi-stage balanced design; transformer designed to prohibit electromagnetic interference; motor-driven volume control. Record-out selector; remote control. THD 0.0005% line; S/N 81 dB MC, 92 dB MM. 18 x 3 3/8 x 16 1/2 in; 19.6 lb\$1,200

Integra P-304 Preamplifier

8 inputs including MM/MC phono. Features all-discrete signal path; in-phase signal filters; FET phono stage. Two record-out selectors; direct tone controls; side panels. THD 0.0005% line; S/N 81 dB MC, 92 dB MM. 18 1/4 x 4 x 15 1/8 in; 17 lb\$550

P-301 A/V Preamplifier

7 audio and 2 video inputs. Features source-direct mode; motor-driven volume control. Selective tone control; video-dubbing capability. FR 15-30,000 Hz ±1 dB; THD 0.009% line; S/N 92 dB MM. 18 x 4 3/8 x 12 1/4 in; 9 lb\$280

PARASOUND

P/LD-1500 Preamplifier

6 line-level inputs; balanced XLR outputs; gold-plated Tiffany connectors. Direct input coupling; complementary MOSFET drive circuit; separate circuit board for each channel; Class A circuitry; 60,000-µF power supply. Frequency response 5-100,000 Hz; total harmonic distortion 0.004%\$795

P/FET-900II Preamplifier

6 inputs including phono; gold-plated connectors. Features Class A circuitry; C-MOS input switching. Separate listen/record selectors. FR 5-85,000 Hz; THD 0.02%\$455

P/HP-750II Preamplifier

6 inputs including phono; 2 line-level outputs. Features C-MOS input switching. Variable loudness control; mono and tone-defeat switches. FR 5-65,000 Hz; THD 0.02%\$295

PERFECTIONIST AUDIO

The Pro-Reference III and the Pro-Reference IIIp may be purchased together for \$5,995.

Pro-Reference IIb Tube Preamplifier

Low-imp main and tape outputs. Features toroidal transformer; platinum internal wiring; polypropylene or polystyrene capacitors in signal path; output muting. THD 0.1%\$4,295

Pro-Reference III Tube Preamplifier

5 inputs; tape loop. Features hybrid vacuum-tube/solid-state design with four 12AX7 vacuum tubes; toroidal transformer; 7 voltage regulators; solid-state analog non-switching power-supply regulators; solid-state full-wave rectification; output muting circuitry; Class A cascade gain-stage configuration. Balance control. FR 20-20,000 Hz; THD 0.01%. 17 1/2 x 3 1/2 x 15 in; 20 lb\$3,995

Pro-Reference IIIp Tube Phono Preamplifier

Designed for use with Pro-Reference III or Pro-Reference 2000. Features vacuum tube cascade design; four 12AX7 tubes\$2,995

Pro-Reference 2000 Tube Preamplifier

5 inputs; tape loop. Features hybrid vacuum-tube/solid-state design with four 12AX7 tubes; solid-state analog non-switching power-supply regulators; solid-state full-wave rectification. Balance control. FR 20-20,000 Hz; THD 0.01%. 17 1/2 x 3 1/2 x 12 in; 18 lb\$2,495

C.P.R. IIb Preamplifier

MM/MC phono and line-level inputs. Features no capacitors in signal path; platinum internal wiring; adjustable gain and input imp\$2,395

C.P.R. IIb. As above, without adjustable gain or input imp\$1,950

C.P.R. Ib. As C.P.R. IIb, no phono stage\$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 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 connectors. 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. Record-out selector; tape-dubbing capability; programmable remote control. FR 20-20,000 Hz ±0.2 dB MM, 20-20,000 Hz +0, -0.1 dB line; THD 0.002%. 18 x 5 1/4 x 15 1/8 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 connectors. Features transformers for audio/relay and video/control sections; direct signal paths; motor-driven volume control. Multiroom capability; A/V-record selector; video-dubbing capability; programmable remote control. 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; THD 0.002%. 18 x 6 1/2 x 16 1/2 in; 24.9 lb\$850

POINTSOURCE

PRT103 Tube Preamplifier

Gold-plated inputs. Features triode Class A design. Balance control; record-out selector. Choice of wooden side panels. 19 x 3 1/2 x 8 in\$850

PR103. Solid-state version of above\$750

PS AUDIO

Reference Link LS Digital Preamplifier

5 analog inputs; coaxial, AT&T, AES/EBU, and Toslink

fiber-optic digital inputs; digital and analog tape loops; 2 unbalanced and 2 balanced outputs. Features 20-bit D/A converter; 18-bit A/D converter; digital volume and balance controls; 14 individual regulation stages; 50,000-µF filter capacitance; 3 power supplies. 17 x 3 1/4 x 16 1/2 in; 28 lb\$4,795

PS 5.7 Preamplifier

MM/MC phono inputs; gold-plated connectors. Designed as PS 6.2 line stage and PS Phono Link phono preamp in single chassis. Features military-grade glass-epoxy circuit board; regulated diode-isolated power supply; passive phono EQ. Straight-wire and bypass switch. FR 20-20,000 Hz ±0.1 dB; THD 0.1%. 17 x 2 1/2 x 9 in; 14 lb\$895

PS 6.2 Preamplifier

6 inputs; 4 outputs; gold-plated connectors. Features active or straight-wire/passive operation; defeatable balance and tape-monitor circuits. FR 20-20,000 Hz ±0.1 dB; THD 0.1%. 17 x 2 1/2 x 9 in\$695

PS Phono Link Phono Preamplifier

MM/MC input. Features passive EQ; gold-plated Tiffany connectors. Front-panel touch-sensitive switching for cartridge loading. FR 20-20,000 Hz ±0.25 dB; THD 0.1%. 17 x 2 1/2 x 9 in; 15 lb\$695

PSE

Studio SL Preamplifier

6 inputs; MM/MC input; balanced-XLR and RCA main outputs. Features discrete FET Class A design; separate phono and line power supplies; metal-film resistors; auto mute. Balance control. Rack mount optional. FR 30-16,000 Hz ±0.25 dB phono, 1-60,000 Hz ±0.25% line; slew rate 50 V/µs. 5-yr warranty. 18 x 1 3/4 x 8 1/2 in; 6 lb\$950
Without phono stage\$850

PTS

Model 1000 A/V Preamplifier/Tuner

6 line-level inputs, 2 tape loops. Class A amp. 16 AM/FM presets; tape-dubbing capability; defeatable tone controls. 19 x 3 1/2 x 10 1/2 in; 10 lb\$699

QED

C300 Preamplifier

3 line-level inputs; MM/MC phono input; 2 tape loops; gold-plated connectors. Features discrete phono and line amps; 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. High-frequency filter with 7,000- or 5,000-Hz rolloff; bass control with rollofs at 50 and 200 Hz; remote control. FR 30-20,000 Hz ±0.5 dB phono, 15-20,000 Hz ±0.2 dB line; THD 0.05%; S/N 75 dB. 12 3/4 x 3 1/4 x 10 in; 7.5 lb\$1,599

Quad 34 Preamplifier

4 inputs. 3 push-button filters; bass control\$749

QUICKSILVER

Quicksilver Tube Preamplifier

Output imp 12.5 ohms; bandwidth 1-650,000 Hz; THD 0.001%\$1,795

Moving-Coil Phono Transformer

Provides 23-dB gain for any phono cartridge. No external cables or power required\$335

ROTEL

RTC950AX Preamplifier/Tuner

6 inputs; MM/MC phono input; processor loop; 2 main outputs; headphone jack. 16 AM/FM presets; auto/manual tuning; defeatable bass and treble controls;

P R E A M P L I F I E R S

remote control. FR 20-20,000 Hz \pm 0.2 dB phono, 4-100,000 Hz \pm 0, -3 dB line; THD 0.004%; S/N 80 dB phono, 100 dB line. FM: 50-dB quieting sens 37.2 dB stereo; cap ratio 1 dB; alt-ch sel 70 dB; S/N 75 dB at 65 dB stereo. 17 $\frac{3}{8}$ x 3 $\frac{3}{8}$ x 13 $\frac{3}{8}$ in; 12.1 lb ... \$600
RTC940AX. As above, without phono stage ... \$500

RC980BX Preampifier

8 inputs; MM MC phono input; headphone jack. Features high-frequency passive and low-frequency active EQ; direct signal paths; CD-direct mode. FR 20-20,000 Hz \pm 0.2 dB phono, 4-100,000 Hz \pm 0.5, -3 dB line. 17 $\frac{3}{8}$ x 2 $\frac{3}{4}$ x 12 $\frac{3}{4}$ in; 9 lb ... \$550

RC960BX Preampifier

8 inputs; MM/MC phono input; headphone jack. Features direct signal paths. Defeatable tone controls; bass and treble controls; tone-defeat and mono switches. FR 40-20,000 Hz \pm 0.2 dB phono, 4-100,000 Hz -3 dB line; THD 0.004%. 17 $\frac{3}{8}$ x 2 $\frac{7}{8}$ x 11 $\frac{1}{4}$ in; 6.6 lb ... \$300

SESCOM

PO-11 Phono Preampifier

Features stereo line output and summed-mono output; rear-panel input/output RCA jacks ... \$83

SONOGRAPHE

SC22 Preampifier

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 \pm 0.5 dB; THD 0.1%. 17 x 12 $\frac{1}{4}$ x 2 $\frac{1}{2}$ in ... \$695
SC22P. Phono stage for above. Features discrete FET regulated power supply ... \$189

SONY

ES Series

TA-E2000ESD Digital A/V Preampifier

5 audio inputs including phono; 7 A/V inputs including 3 S-video inputs, 3 VCR loops, and front-panel S-video input; 1 coaxial and 2 fiber-optic digital inputs; fiber-optic digital output; 2 subwoofer and 2 center-channel outputs; 3 switched and 1 unswitched AC outlets. Features DSP with pulse A/D conversion, 1-bit D/A conversion, 45-bit digital filter, and auto sampling-rate switching; digital ch-sep control; source-direct switch. Dolby Pro Logic decoder; 10 factory and 10 user sound-field presets; 10 adjustable sound-field parameters; 3-band digital parametric EQ with 91 center frequencies, 16 slopes, and \pm 12-dB boost/cut in 0.1-dB increments; independent EQs for front, center, and rear channels; digital dynamic-range compression/expansion; record-out selector; programmable A/V remote control. FR 20-20,000 Hz \pm 0.2 dB phono, 10-20,000 Hz \pm 0.1 dB line; THD 0.004% at 1,000 Hz. Simulated-wood side panels. 18 $\frac{1}{2}$ x 6 x 14 $\frac{1}{4}$ in; 18.8 lb ... \$1,250

TA-E80ES Preampifier

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 mode. Selectable phono load imp; record-out selector; remote control. FR 20-20,000 Hz \pm 0.2 dB phono, 3-300,000 Hz \pm 0, -3 dB line; S/N 83 dB MC, 95 dB MM, 105 dB line; THD 0.001%. Simulated-wood side panels. 15 $\frac{1}{2}$ x 5 $\frac{1}{4}$ x 14 $\frac{1}{2}$ in; 28.6 lb ... \$930

SOUND ENGINEERING

PFM-2B Preampifier

High-current Class A design ... \$1,750

PFM-0 Phono Preampifier

For MC cartridges. Low-noise design ... \$1,050

SOUNDSTREAM

C-2 THX A/V Preampifier

6 A/V inputs; 2 S-video inputs. Features THX certifica-

tion. 4 soundtrack processing modes; 6 music processing modes; 2-zone multiple-source capability ... \$2,695

SUMIKO

Copland CTA-301 Tube Preampifier

Tape loop; line-level input; MM phono input. Features all-tube circuitry. FR 5-100,000 Hz -1 dB; THD 0.01%; S/N 86 dB ... \$1,995

SUMO

Diana Preampifier

6 inputs; balanced XLR inputs and outputs. Features 2-chassis design with two 40-VA transformers and 4 regulation stages; DC-coupled design; 1% metal-film resistors. FR 20-20,000 Hz \pm 0.1 dB; THD 0.008%; S/N 100 dB ... \$1,399
 Phono module ... \$200
 D/A-converter module ... \$200

Athena II Preampifier

Gold-plated balanced inputs and outputs. Features fully complementary Class A discrete line stage; 1% metal-film resistors; polystyrene bypass capacitors; separate power supply for each channel. Separate listen and record selectors; laser-trimmed volume potentiometer; CD-direct mode; tape-monitor control. FR 0.2-300,000 Hz \pm 0, -3 dB; THD 0.005%; S/N 100 dB line ... \$699
 Bitstream D/A-converter module ... \$500
 MM MC phono module ... \$150

THRESHOLD

T2 Preampifier

2 balanced and 6 unbalanced inputs; 2 balanced, 2 unbalanced, and 2 processor outputs. Features 10-bit A/D converter controlling volume for tracking; 4 separate gain paths; microprocessor controlled source-select relays; separate analog and digital regulation; short-path circuit execution; external power supply with 150-W toroidal transformer; separate line regulation. Balance controls; standby mode; FL display; remote control. FR 0-200,000 Hz -1 dB; THD 0.01%; S/N 118 dB. Main unit: 14 x 3 $\frac{1}{2}$ x 17 $\frac{1}{2}$ in; 14 lb. Power supply: 12 x 4 x 8 $\frac{1}{8}$ in; 11 lb ... \$5,250

TIMES ONE

RFP-4 Preampifier

6 inputs including MM MC phono; 2 balanced outputs. THD 0.02%; S/N 89 dB. 17 x 3 $\frac{1}{2}$ x 11 in ... \$890
RFP-3. As above, without tone controls ... \$790

VAC

CPA1a Tube Preampifier

6 line-level inputs; MM/MC phono input; 2 main outputs; tape loop. Features Class A tube design; separate power supply; aluminum chassis. Phono impedance and capacitance loading adjustor; adjustable phono and line gains. Balanced outputs optional. FR 20-20,000 Hz phono, 6.5-90,000 Hz line. High-gloss black-lacquer finish with engraved-brass faceplate. 5.5 lb ... \$3,890
CLA1a. As above, no phono stage. Features switching, gain, and impedance buffering ... \$2,790

CPPI Tube Preampifier

Phono and line-level inputs. Features Class A triode design; passive and active RIAA compensation; separate power supply. Switchable gain, input impedance, and input capacitance. Black-lacquer finish with engraved-brass faceplate. 18 x 5 $\frac{3}{4}$ x 14 in; 50 lb ... \$3,090

Vintage Series Tube Preampifier

4 line-level inputs; phono input; tape loop. Features Class A tube design. Gloss black finish with engraved brass ... \$1,990
Vintage Series Line. As above, no phono stage. Features switching, gain, and impedance buffering ... \$1,490

VACUUM TUBE LOGIC

The following feature a 5-yr parts-and-labor warranty excluding tubes.

PR-1 Tube Phono Preampifier

4 inputs; including MM/MC phono. Dual-mono design; separate tube circuitry. Mute switch; switchable cartridge loading. 19 x 3 x 12 $\frac{1}{2}$ in; 12 lb ... \$2,990

TL-2. As above, phono stage only. 19 x 2 x 9 $\frac{3}{4}$ in; 5 lb ... \$990

TP-2. As PR-1, line stage only. 19 x 2 x 9 $\frac{3}{4}$ in; 10 lb ... \$790

TL-5 Tube Preampifier

Features dual-mono design; separate power supply. Power supply: 19 x 2 x 9 $\frac{3}{4}$ in; 18 lb. Preamp: 19 x 2 x 9 $\frac{3}{4}$ in; 18 lb ... \$2,490

WOODSIDE/RADFORD

SC26L Tube Preampifier

2 buffered tape outputs. Features separate power supplies for each stage; sealed-reed input-switching relays; single-strand silver-plated Teflon-insulated wire ... \$2,495

SC26P. As above, with MM/MC phono stage. THD 0.1%; S/N 80 dBA MM ... \$3,495

SC27P Tube Preampifier

4 inputs; one tape loop. Features hybrid phono stage; polypropylene capacitors; silver-plated Teflon-insulated wire. FR 5-50,000 Hz -1 dB; THD 0.1%; S/N 85 dB. 17 x 3 x 13 in ... \$1,395

SC26L. As above, no phono stage ... \$1,195

WRIGHT AUDIO

Custom Series Tube Preampifiers

The following feature a vacuum-tube design, an aluminum chassis with red oak front frame and side panels, 6 inputs and 4 outputs (tape recording, passive, low and high impedance), tape-monitor controls, and a 3-yr warranty. Common specs include FR 20-30,000 Hz \pm 1 dB and S/N 94 dB.

PL-1. Phono and line stages ... \$850

SP-2. As above, high-impedance and tape outputs only. Includes bass and treble controls ... \$685

LGP-1. Line stage only. Features vacuum tube power supply ... \$685

LT-1. Line stage with bass and treble controls ... \$765

YAMAHA

CX-1 Preampifier

8 audio inputs; MM MC phono input; gold-plated input; remote link for MX-1 or MX-2 amplifiers; headphone jacks. Features antivibration antiresonance chassis; capacitive negative-feedback amplifier circuitry; 4-gang volume control; source-direct mode; motor-driven input selector and volume control. Record-out selector; center-defeat tone controls; switchable subsonic phono filter; remote control. THD 0.002%; S/N 110 dB. 17 $\frac{1}{8}$ x 3 $\frac{3}{8}$ x 16 in; 19.3 lb ... \$1,199

CX-2 A/V Preampifier

8 audio and 3 video inputs; MM MC phono input; S-video connectors; gold-plated headphone jack; remote link for MX-1 or MX-2 amplifiers. Features antivibration antiresonance chassis; 4-gang volume control; motor-driven input selector and volume control; source-direct mode. Record-out selector; variable loudness control; center-defeat tone controls; switchable subsonic phono filter; programmable remote control. 17 $\frac{1}{8}$ x 3 $\frac{3}{8}$ x 12 $\frac{3}{4}$ in; 11.8 lb ... \$799

CX-630 A/V Preampifier

6 audio and 2 video gold-plated inputs; 4 audio and 2 video outputs; 2 AC outlets. Features source-direct mode. Record-out selector; 2-VCR simultaneous-record capability; variable loudness control; switchable subsonic filter; center-defeat bass and treble controls with frequency turnover controls; remote control. 10.5 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 \$36

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 \$36

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 \$33

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 Model 6 6-Band Equalizer

Center frequencies at 20, 120, 500, 2,000, 5,000, 20,000 Hz; selectable ± 22 -, ± 11 -, or ± 6 -dB boost/cut. Balanced input and outputs. In/out switching; level matching control. Total harmonic distortion 0.003%; signal-to-noise ratio 110 dBA. Dimensions: 19 x 4 1/4 x 13 in; weight: 15 lb \$2,800

ADCOM

GSP-560 Surround-Sound Processor

5 channels; Dolby Pro Logic, concert-hall, nightclub, and 5-channel-matrix surround modes. 6 variable line-level outputs including subwoofer. Features 80 W x 1 rms center-channel amp; 40 W x 2 rms rear-channel amp. 5-channel stereo mode; bypass mode; adjustable rear-channel time delay. 17 x 5 1/2 x 14 in; 24 lb \$600

AMERICAN HYBRID TECHNOLOGY

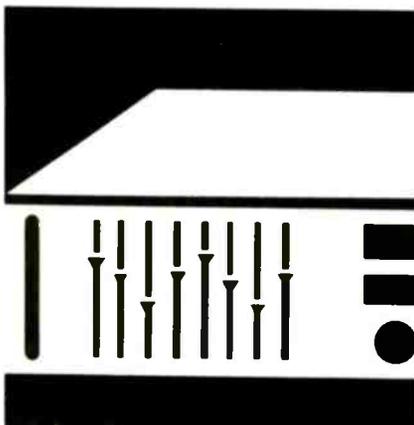
AHT/X Active Crossover

2 way. Custom-built crossover frequency, slope, and gain. Line-level inputs. Features external power supply; preamp gain controls. THD 0.005%; S/N 120 dB \$5,200

APOGEE

Dax III Active Crossover

Compatible with balanced or unbalanced amps. Features separate regulated power supply. High- and low-pass level controls. S/N 100 dB; THD 0.003% \$3,295



AUDIO CONTROL

R-130 Spectrum Analyzer

30-band, 1/3-oct analyzer from 25-20,000 Hz. 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. Rack mount optional \$649

C-131 30-Band Graphic EQ

Center frequencies at 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1,000, 1,250, 1,600, 2,000, 2,500, 3,150, 4,000, 5,000, 6,300, 8,000, 10,000, 12,500, 16,000, and 20,000 Hz; ± 15 dB boost/cut. XLR and RCA inputs. Features mono design; defeatable 18-dB/oct subsonic filter with selectable 15/25/35-Hz cutoff; constant-Q circuitry; regulated power supply; level matching. Slider controls. Rack mount optional. THD 0.005%; S/N 105 dB \$529

C-101 Series Three 9-Band Graphic EQ

Center frequencies at 32, 60, 120, 250, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; ± 15 dB boost/cut. Features 18-dB/oct Tchebychev-alignment subsonic filter. 10-band real-time spectrum analyzer; digital pink-noise generator; tape-monitor controls; calibrated microphone; dual display speeds; selectable 32- or 16-dB display range; microphone line input switching; variable input sens. Rack mount optional. Total harmonic distortion 0.005%; signal-to-noise ratio 120 dB. 17 x 3 1/2 x 11 in; 9 lb \$459

Richter Scale III 6-Band Graphic EQ/Crossover

EQ center frequencies at 22.5, 31.5, 45, 63, 90 and 125 Hz; 12-dB boost/cut. 2-way active crossover with user-selectable crossover point from 20-20,000 Hz. Mono and inverted-mono outputs for bridging; gold-plated connectors; tape loop. Features 24-dB/oct crossover slopes. Warble test-tone analyzer. THD 0.005%; S/N 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; 15-dB boost/cut. Features 18-dB/oct subsonic filter. Slider controls; LED indicators; warble-tone analyzer. THD 0.005%; S/N 120 dB \$329

Phase Coupled Active Crossover/Bass Restorer

2 way. Designed to digitally reassemble artifacts of lower frequencies reduced in recording and mastering processes. User-selectable crossover points from 20-20,000 Hz. Tape loop. Features patented bass-restoration circuitry; subsonic filter; 18-dB/oct slopes. Level control; bypass switch. Rack mountable. Total harmonic distortion 0.005%; signal-to-noise ratio 118 dB \$259

Ten Series Two 10-Band Graphic EQ

Center frequencies at 31, 63, 125, 250, 500, 1,000,

2,000, 4,000, 8,000, and 16,000 Hz; 15-dB boost/cut. Features 18-dB/oct subsonic filter. Slider controls with LEDs. THD 0.005%; S/N 120 dB. 17 x 3 1/4 x 7 1/4 in \$229

The Architect 6-Band Graphic EQ

Center frequencies at 45, 150, 300, 700, 2,500, and 12,000 Hz; ± 12 -dB boost/cut. Designed for in-wall speakers. Features filter Qs set to match in-wall speaker's FR characteristics; 18-dB/oct subsonic filter with programmable rolloff frequency. THD 0.005%; S/N 110 dB \$189

Octave 10-Band Graphic EQ

Center frequencies at 31, 63, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut. Features 18-dB/oct subsonic filter. Slider controls. Total harmonic distortion 0.008%; signal-to-noise ratio 118 dB. 17 x 2 1/2 x 6 in; 6 lb \$159

AUDIO DESIGN ASSOCIATES

SSD-66THX Surround-Sound Processor

6 channels; Dolby Pro Logic, music and film THX modes. Auto input balance; auto mono enhancement; digital volume control; 4-quadrant vector-scope volume-level indication; serial data communication port for integration with System 3000 (see Multiroom Components). Dimensions: 19 x 1 3/4 x 16 1/2 in \$2,993

SSD-66. As above, without THX controller \$1,780

AUDIO RESEARCH

EC22 Active Crossover

2 way. Features solid-state design. Auto/manual muting and level matching. S/N 120 dB. 19 x 5 1/4 x 10 1/4 in \$2,600

AUDIOSOURCE

EQ Ten 12-Band Graphic EQ

Center frequencies at 25, 40, 63, 100, 160, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut. 2 tape loops. Features computer-controlled EQ for listening-room acoustics. Pink-noise generator; spectrum analyzer; 4 EQ presets; tape-dubbing capability with/without EQ; L/R LED displays; remote control. THD 0.008% at 1 V. 16 1/2 x 3 1/2 x 8 3/4 in; 8 lb \$430

SS Three II Surround-Sound Processor

Dolby Pro Logic. Line-level outputs including center-channel and subwoofer. Features 30-W rear-channel amp; toroidal power transformer; switchable subwoofer crossover. Variable subwoofer-level control; adjustable time delay; auto balance and calibration for L/R inputs; rear, center-channel, and master volume controls; remote control. S/N 90 dB \$400

SS Four Surround-Sound Processor

Dolby Pro Logic mode, hall and matrix surround modes for non-Dolby sources. Line-level and tape inputs; subwoofer output; line-level outputs for center and surround channels; 1 unprocessed line-level output. Features 24 W x 2 center/rear-channel amp; digital logic circuitry; 100-Hz subwoofer crossover. Test-signal generator; auto balance; selectable 30- or 50-ms digital time delay for hall and Dolby modes; selectable center-and-rear-channel or dual-rear-channel operation; LED output-level meters for left, center, right, and surround channels; remote control. 16 1/2 x 2 1/8 x 9 1/8 in; 9 lb \$330

EQ Twelve 10-Band Graphic EQ

Center frequencies at 30, 60, 120, 240, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; ± 12 -dB boost/cut. Audio and video inputs; main output; 2 tape loops. Pink-noise generator; LED spectrum analyzer with average-output display selectable for left, right, or both channels; selectable subsonic filter; tape-dubbing capability while listening to another source; multiple tape monitors; input-level controls. Includes calibrated microphone. Rack mountable. S/N 98 dB. 19 x 4 3/8 x 10 1/4 in; 9.8 lb \$300

SS Two Surround-Sound Processor

Synthesis and matrix surround modes. Line-level outputs. Features 30-W rear-channel amp. Adjustable time delay; LED level indicators; remote control. S/N 85 dB \$250
SS One/II. As above, without remote control... \$200

EQ Eleven 10-Band Graphic EQ

Center frequencies at 30, 60, 120, 240, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; ±12-dB boost/cut. Audio and video inputs; main output; 2 tape loops. Spectrum analyzer; tape-dubbing capability while listening to another source; LED-illuminated sliders; L/R level controls. S/N 85 dB. 16½ x 2¾ x 7 in; 5.5 lb \$200

EQ Eight/II 10-Band Graphic EQ

Center frequencies at 30, 60, 120, 240, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; ±12-dB boost/cut. Audio, video, and tape inputs; main and tape outputs. Spectrum analyzer; LED-illuminated sliders. S/N 80 dB. 16½ x 2¾ x 7½ 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 connectors. Mic mixer \$130
AVS-10. As above, no mic mixer \$110

BAG END

ELF-1 Speaker Processor

2 channels. Balanced XLR inputs and outputs. Features system protection limiters; dynamic threshold level; high-frequency limiter threshold. Mono/stereo switch; L/R output and high-frequency level controls; low-frequency limiter variable from 8-80 Hz; high-pass output filter variable from 50-205 Hz. THD 0.05%. 1¾ x 19 x 10 in \$2,460

BBE

BBE ARS Sonic Maximizer

Designed to enhance midrange presence by correcting phase and amplitude distortion inherent in speakers; helps restore the sound quality of LPs and tapes. Separate bass contour; definition controls. THD 0.027%. 16½ x 1¾ x 8½ in \$229

BEDINI

Model 100 Audio Spatial System

Expands the sound from a stereo system for greater depth, width, and clarity without the need for additional speakers \$299

Model 100 Bass Space Retrieval System

Features solid-state circuitry. THD 0.025% from 20-20,000 Hz. 6¼ x 2½ x 5½ in; 2 lb \$299

BGW SYSTEMS

Model 2242 Audio Distributor

8 channels. Designed to distribute output from a power amplifier to eight speakers. Barrier strip inputs/outputs; balanced output. Features toroidal power transformer. 19 x 1¾ x 11 in; 17 lb \$799

BRYSTON

The following feature a 20-yr parts-and-labor warranty.

Model 10B Active Crossover

2 or 3 way. Crossover points selectable at 40, 50, 60, 70, 80, 90, 100, 200, 250, 300, 400, or 500 Hz. Features 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. Independently selectable low- and high-pass points; switchable filter settings, rolloff frequencies, and slopes; level controls in 1-dB increments. S/N 90 dB \$1,195

With Linkwitz-Riley filters and balanced inputs/outputs \$1,495
 With balanced inputs/outputs \$1,350
 With Linkwitz-Riley filters and custom cutoff points \$1,395

CARVER

DPL-33 Surround-Sound Processor

5 channels; Dolby Pro Logic and hall surround modes. Features 55-W center- and rear-channel amplifier, motor-driven master-volume control. 2 delay settings; auto input balance; 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; S/N 85 dB. 19 x 3¾ x 12¾ in \$470

H-9AV Sonic Hologram Generator

Ambience enhancer optimized for video. Features precognition circuitry; dialog processor. Holography-level control. THD 0.05%; S/N 90 dB. 19 x 2 x 3¾ in \$400

DPL-20 Surround-Sound Processor

5 channels; Dolby Pro Logic and hall surround modes; matrix mode for mono sources. Left, right, center, subwoofer, and 2 rear line-level outputs. Features Analog Devices Dolby Pro Logic decoder; selectable 80- or 150-Hz subwoofer crossover. Switchable 20- or 30-ms rear-channel delay; auto input balance; LED output meters for each channel; remote control \$380

ECS-U Speaker-Enhancement System

Sonic Hologram ambience enhancer optimized for planar or reflecting-type speakers. Features 5 sonic enhancement circuits including Sonic Holography; presence listener distance circuit; sub-bass restoration circuitry. High-frequency trim; variable bass Q. THD 0.1%; S/N 90 dB. 9 x 2½ x 9¼ in \$350

CELLO

Audio Palette MIV 6-Band Graphic EQr

Center frequencies at 15, 120, 500, 2,000, 5,000, and 25,000 Hz; 24-dB boost/cut range. One balanced 3-pin-Fischer and 3 unbalanced RCA inputs. Features Class A discrete circuitry. Nine 59-notch rotary controls; input selector; L/R 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/Preamplifier

Center frequencies at 20, 120, 500, 2,000, 5,000, and 20,000 Hz. 5 RCA line-level inputs; 2 RCA record outputs. L/R input- and output-level controls \$6,500

COGENT

The following are sound-imaging devices designed to create 3 or 4 channels from a 2-channel stereo signal. They feature gold-plated RCA connectors, gold switch contacts, 1% metal-film resistors, a double-weight wide-trace glass-epoxy circuit board, a dual-regulated linear power supply, and an aluminum nonmagnetic chassis.

PN1 Simultaneous Polyphonic Isolator

4 channels. Features direct-wire bypass switch. THD 0.0001% at 1,000 Hz; S/N 112 dB. 17 x 2¼ x 7¼ in; 3.5 lb \$900
PN2. As above. THD 0.0006% at 1,000 Hz, S/N 106 dB \$750

PN4 Simultaneous Polyphonic Isolator

4 channels. THD 0.0006% at 1,000 Hz; S/N 104 dB. 17 x 2¼ x 5½ in; 2.5 lb \$399

PN3 Simultaneous Polyphonic Isolator

4 channels. Designed for A/V systems that have a front speaker and amplifier. THD 0.0006% at 1,000 Hz; S/N 103 dB. 17 x 2¼ x 5½ in; 2.5 lb \$299

COUNTERPOINT

HC-818 Audio Controller

7 channels. Designed for use with HC-808. Fixed-level outputs; two tape loops. Features motor-driven volume control; discrete technology. Remote control. Black or silver finish. 3-yr warranty. 19 x 2¼ x 10½ in \$1,595

HC-808 Surround-Sound Processor

Dolby Pro Logic. Monitor loop. Roederstein resistors; Wima polypropylene capacitors; Alps motor-driven potentiometers. Remote control. Black or silver finish. 3-yr warranty. 19 x 2¼ x 10½ in \$1,195

CROWN INTERNATIONAL

FFX-2 Active Crossover

2 or 3 way. Crossover points set via plug-in resistors. Features mono design; 18-dB/oct high- and low-pass filters. THD 0.05%. 19 x 1¾ x 6½ in; 5 lb \$345

DB SYSTEMS

DB-3-36 Active Crossover

2 way. Requires DB-2A power supply or DBP-1 cable. Low- and high-pass outputs; diode-protected inputs. THD 0.0008% \$565

DB-3-24 Active Crossover

2 way. Selectable crossover points. Requires DB-2A power supply or DBP-1 cable. Low- and high-pass outputs. Features 24-dB/oct-slope; 6-dB drop at crossover point \$490
DB-3-24-100. As above, set at 100 Hz \$405

DB-5 Tone Control

3 low- and 3 high-break frequencies. Requires DB-2A power supply or DBP-1 aux cable if used with DB Systems equipment. Outputs for sum and difference signals. Switchable bass boost. THD 0.0008%; S/N 96 dB. 8½ x 3¼ x 7 in; 2.8 lb \$470

DB-3 Active Crossover

2 way. Fixed crossover point. Features 6- or 12-dB/octave slope; separate power supply. Screwdriver-adjustable output level. THD 0.003%; S/N 100 dB. 8½ x 3¼ 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-7 Phase Inverter/Bridging Adaptor

Requires DB-2A power supply or DBP-1 aux cable if used with DB Systems equipment. Features 18-dB/oct ultrasonic and subsonic filters. THD 0.003%; S/N 109 dB. 6¼ x 2¼ x 4½ in; 1 lb \$205

DBP-11 Phono Capacitance Switch Box

Features 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, with gold-plated connectors \$90
 Alps volume control \$40

DBP-6 Phono Equalization Kit

Adds 100-400-pF capacitance to MM 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. Includes 1% metal-film resistive load \$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

DYNACO

QD Series II Surround-Sound Processor
5 channels. Passively decodes L-R rear surround channel and L+R center channel. Features rear-channel gain control; 5,000 Hz rear-channel rolloff. Gold-plated 5-way binding posts \$90

ESOTERIC SOUND

Phono Equalizer
6 selectable turnover points and 6 selectable rollofs. Flat, 300-Hz, 400-Hz, RIAA, LP, and 700-Hz turnovers. Flat, -5 dB, -10 dB, -12 dB, RIAA, and NAB rollofs. THD 0.02% \$310

FOSGATE-AUDIONICS

Model Three-A Surround-Sound Processor
7 channels; 9 surround modes including Dolby Pro Logic, music, 70-mm wide, and THX. 4 composite and 2 S-video AV inputs. Features proprietary steering logic; active crossover for mono/stereo subwoofers. AV source selection; separate record bus; pink-noise generator; remote control \$2,799

Model Four Surround-Sound Processor
6 channels; 7 surround modes including Dolby Pro Logic. 4 composite and 2 S-video AV inputs. AV source selection; separate record bus; pink-noise generator; remote control \$999

Model Five Surround-Sound Processor
6 channels; 5 surround modes including Dolby Pro Logic. Direct audio input. Tape-monitor control; pink-noise generator; remote control. Rack mount optional \$599

GOLD SOUND

Except for Model 30M8, the following are rack mountable and have a black anodized-aluminum front panel and smoked-Plexiglas security cover.

Model 30M8 30-Band Spectrum Analyzer
Bands 1/2-octave apart. Line-level and mic inputs. Features portable real-time design. 50- to 145-dB measurement range; 8 presets; LED FR display from 25-20,000 Hz; flat, A, and C weighting. Includes calibrated omnidirectional mic with 12-V battery and charger \$799
Above with 32- to 120-dB range \$699
Pink-noise generator for Model 30M8 \$89

GS424SEQ Active Crossover
2 way. Crossover point variable from 40-9,000 Hz. Stereo subwoofer and midrange/tweeter outputs. Features 4-channel blamp design; Linkwitz-Riley filters; subsonic filter; fixed bass EQ. High-pass, low-pass, and midrange controls. S/N 102 dB; THD 0.02% \$659
GS424EQ. As above, features mono subwoofer output \$609

GS224SEQ Active Crossover
2 way. Crossover point variable from 40-4,200 Hz. Stereo subwoofer and midrange/tweeter outputs. Features fixed bass EQ; Linkwitz-Riley filters; 24-dB/oct slope; subsonic filter. High- and low-pass controls. S/N 102 dB; THD 0.002% \$549
GS224EQ. As above, mono subwoofer output. Crossover points variable from 40-4,000 Hz \$499

GS424 Active Crossover
2 or 3 way. Crossover point variable from 40-9,000 Hz. Features 4-channel blamp/trlamp design; Linkwitz-Riley filters; 24-dB/oct slope. High-pass, low-pass, and midrange controls. S/N 102 dB; THD 0.002% \$549

GS224 Active Crossover
2 way. Crossover point variable from 40-4,200 Hz. Features 24-dB/oct crossover slopes. High- and low-pass controls. Signal-to-noise ratio 102 dB; total harmonic distortion 0.002% \$439

HARMAN KARDON

AVP-1 Surround-Sound Processor
Dolby Pro Logic, THX, 35-mm-movie, and 70-mm-movie modes. Rock, jazz, pop, chamber, and orchestra ambience presets; test noise sequencer; AV record-out circuit; output-level controls; AV input switching; panorama control \$2,500

AVP-2 Surround-Sound Processor
5 channels; Dolby Pro Logic, rock, jazz, popular, chamber, orchestra, and 70-mm-movie modes. Subwoofer output. Features Fosgate image steering for 70-mm-movie mode. Dolby Time Link digital-delay system; test noise sequencer; AV record-out circuit; output-level controls; video switching; panorama control \$1,049

EQ8 10-Band Graphic EQ
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. Tape loop. Features 6-dB/oct subsonic filter with variable cutoff. Input-level controls; record-out EQ; LED overload indicators. THD 0.02% from 20-20,000 Hz; S/N 105 dBA. 17 3/8 x 4 x 13 3/8 in; 12 lb \$349

HARRISON LABORATORY

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; RCA-plug output. Features color-coding for frequency recognition; gold plating. 3/8 diameter x 2 in length \$30/pr
F-MOD Cable. As above, cable version. 2 channels \$25

PF-MOD Active Filters
The following active crossover modules require no power input. Each features an internal 20-yr battery charged by line-level input, 2 gold-plated RCA full-range inputs, 4 gold-plated RCA outputs, crossover-point selection via jumper settings, and 15-dB/oct slopes. Each measures 2 x 2 x 1 1/2 in.

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 \$70
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 \$70
2W1. 2-way crossover for biampifying. 2 high-pass and 2 low-pass outputs. Crossover point 50, 70, 100, or 150 Hz \$70
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 triampifying \$70
LP1. Designed for woofer/subwoofer amplifiers. Two 50-, 70-, 100-, or 150-Hz low-pass outputs; 2 full-range outputs \$60
HP1. Designed for midrange/tweeter amplifiers. Two 50-, 70-, 100-, or 150-Hz high-pass outputs; 2 full-range outputs \$60
HP2. Designed for tweeter amplifiers. Two 3,500-, 4,000-, 6,000-, or 8,000-Hz high-pass outputs; 2 full-range outputs \$60

HUGHES

AK-100 Sound Retrieval System
Designed to increase depth and realism of audio recordings. 4 line inputs and outputs. 3-dimensional LED display; center, space, and output level controls. reverberation trim, mono, display on/off, bar/dot display, and loop input switches. 17 x 4 x 11 1/2 in; 8 lb \$299
Retriever. As above, without LED display. 16 1/2 x 2 3/4 x 7 in \$179

JOHN MAROVSKIS

Interphase 1A Crossover/Amp
Designed for use with Janis W1 or Janis W3 subwoofers. Features 2 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

Janis Interphase 3AT Crossover
Designed for use with external bass amplifier via independent low-pass line out. Features 70-W amp. 3 1/2 x 14 x 10 in; 17 lb \$600

JRM

Model 3BPB/X8 Active Crossover
2, 3, or 4 way. High- and low-pass crossover points set via plug-in modules. Mono/stereo subwoofer outputs. Features 18-dB/oct slopes; polypropylene capacitors; gold-plated electromechanical devices; subsonic and ultrasonic filters. THD 0.001%; S/N 94 dB \$1,125
Model 3BPB/X4. As above, 2 way only \$750

Remote 6-Band Graphic EQ
Center frequencies continuously variable between 4-50,000 Hz. Requires JRM preamp or Model 3BPB crossover as base unit. Features 2% polypropylene capacitors; gold-plated electromechanical devices. 35-dB variable loudness range; separate LR level controls. THD 0.001%; S/N 98 dB \$625

JVC

SU-A400 Surround-Sound Processor
2 channels; Dolby Surround. 4-channel 40-W amp. 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 (front), 10 x 2 (rear) into 8 ohms from 40-20,000 Hz with 0.5% THD; S/N 85 dB hall/simulated, 63 dB Dolby Surround. 17 1/4 x 2 1/4 x 11 1/8 in; 8 lb \$305

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. Mic input with mixing; tape loop. Features 3-band parametric EQ with wide/narrow Q switching. Independent LR level adjustment; 27-band spectrum analyzer; 30 EQ presets. THD 0.006% at 1,000 Hz; S/N 100 dB. 17 3/8 x 5 7/8 x 14 1/8 in; 11 lb \$380

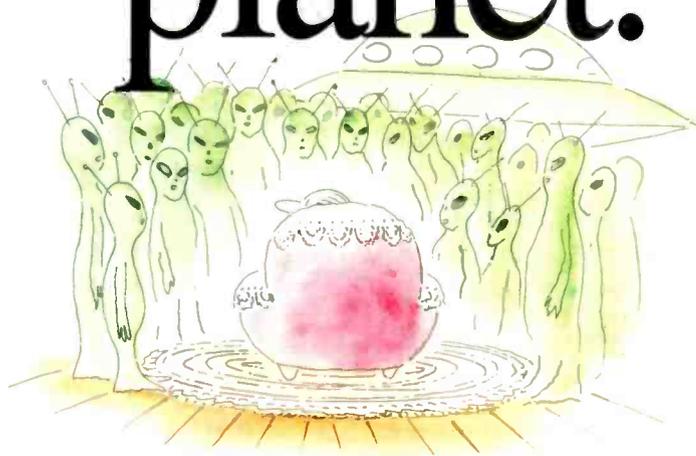
SS-992 Surround-Sound Processor
3 channels; Dolby Pro Logic. 3-channel 60-W amp. Wide and phantom center-channel modes; Dolby 3 Stereo mode; Dolby Time Link digital-delay system; theater and hall surround modes; test-tone generator; auto input balancing; Dolby Pro Logic delay variable from 15-30 ms in 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); signal-to-noise ratio 62 dB at 1,000 Hz. Dimensions: 17 3/4 x 5 x 12 3/4 in; 11 lb \$300

GE-4030 7-Band Graphic EQ
Center frequencies at 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz; switchable 12- or 6-dB boost/cut. Tape loop. LR level controls; 7-band spectrum analyzer. 5 factory and 5 user EQ presets; dual FL level meters; defeat switch; EQ-record capability; line/tape selector. THD 0.006% at 1,000 Hz; S/N 100 dB. 17 3/8 x 3 3/8 x 10 7/8 in; 8 lb \$250

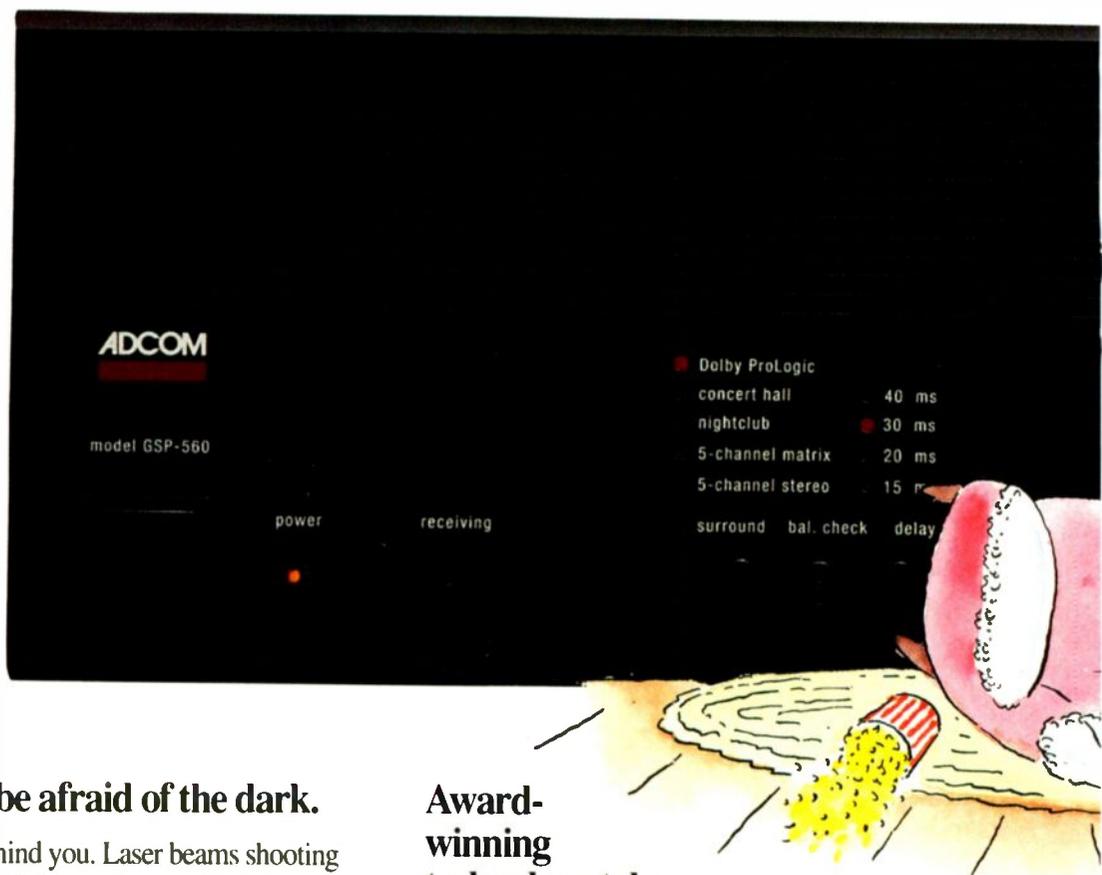
SS-592 Surround-Sound Processor
2 channels; Dolby Surround. 2-channel 20-W amp. Features motor-driven volume control. Theater and hall surround modes; switchable digital delay; input-balance control; calibration indicator. 10 W x 2 (rear) rms into 8 ohms from 40-5,000 Hz with 0.9 THD; S/N 62 dB at 1,000 Hz. 17 3/4 x 5 x 12 3/4 in; 11 lb \$200

GE-292 7-Band Graphic EQ
Center frequencies at 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz. Unswitched AC outlet. Features defeat switch; lighted slider controls \$80

Adcom
designed
the GSP-560
to rival any
surround sound
system on the
planet.



Perhaps w carried



A new reason to be afraid of the dark.

Crunching footsteps behind you. Laser beams shooting over your head. Just a typical night at home with Adcom's new GSP-560 Surround Sound Processor/Amplifier. At Adcom's level of critically acclaimed performance it doesn't just produce surround sound. It creates effects that are out of this world.

The GSP-560 expands your two-channel audio system into a full five/six-channel home theater. Multiple surround modes, user selectable time delay and a full-featured remote give you the control and convenience to create a sonic experience that surpasses anything you've ever heard in a movie theater.

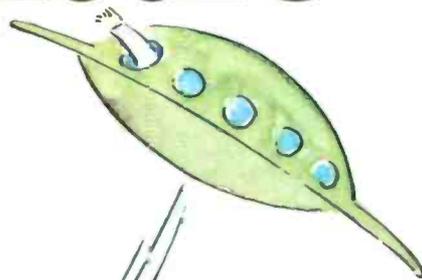
Award-winning technology takes you to the outer-limits.

The GSP-560 features a high-current 80 watt center channel amplifier and a pair of high-current 40 watt amplifiers for the rear channels. It will accurately drive the most demanding loudspeakers, even those with impedance ratings less than 2 ohms.

The GSP-560 gives you a choice of Dolby Pro Logic, Concert Hall, Nightclub, and Five-Channel Matrix



e got a little away.



surround modes
so you can select
the listening
environment that best suits
your source and your mood.

Selectable time delay lets you optimize the surround performance precisely for the acoustics of your room. Additional 5-Channel Stereo and Bypass modes assure optimum enjoyment of audio-only sources.

The GSP-560 Surround Sound Processor/Amplifier follows in the footsteps of other critically acclaimed Adcom components. Its award-winning, life-like sound captures the attention of audio/video lovers throughout the universe.

Surround yourself now at your Adcom dealer.

Preview the new GSP-560 at your authorized Adcom dealer today, but be careful, you might want to leave the lights on.

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KINETIC AUDIO

3-Point Crossover. 60-, 90-, and 180-Hz crossover points. Features mid-high-pass filter. Level control. \$200

4-Point Crossover. 60-, 90-, 180-, and 350-Hz crossover points. \$200

KOSS

EQ/30 3-Band Graphic EQ

Center frequencies at 100, 1,000 and 8,000 Hz; ± 10 -dB boost/cut. Compact design for portable systems. Operates on 2 AAA batteries. Includes belt clip. THD 0.2%. 2 1/2 x 2 x 1 in. \$30

LEXICON

CP-3 THX Surround-Sound Processor

15 listening modes including THX. 4 inputs. Software upgradable. S/N 90 dB. \$2,995

CP-1 Plus Digital Environment Processor

Dolby Surround. Performs ambience extraction and synthesis. Features auto azimuth-error correction for Dolby Surround. Reverb; headroom display; alphanumeric display; 2 backlit mute indicators. Software upgradable. S/N 85 dB. 17 x 2 1/2 x 12 1/2 in; 11 lb. \$1,595

CP-2 Digital Surround-Sound Processor

Music and mono modes. 6 outputs. Auto azimuth correction; 16-bit D/A converter. Auto input balance; parametric display; remote control. Software upgradable. S/N 85 dB. 17 x 2 x 12 in; 11 lb. \$995

MAGTONE

KA-1500 Karaoke Mixer

3 mic and 3 A/V inputs. Digital key control; auto vocal elimination; input selector; music MPX switch; digital echo, time, and repeat; 19-step 1/4-note pitch control; 2-wire remote for key control; volume, tone, and 3 mic-level controls. 16 1/2 x 12 1/2 x 9 lb. \$369

KK-1000 Karaoke Mixer

4 mic and 2 audio inputs. Digital key control; music MPX switch; auto vocal elimination; volume, digital-echo, time, repeat, bass, treble, and 2 mic-level controls. 17 x 3 x 10 in; 8 lb. \$279

K-903XD Karaoke Mixer

4 mic and 2 A/V inputs. Music MPX switch; 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 SOUND

VF-100 High-Pass Filter

100-Hz crossover point. Features 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. Coaxial and fiber-optic digital inputs; coaxial digital output; analog inputs and outputs. Design upgradable via 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. Two 4-in color-LCD information screens; 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 track-ball. \$15,000

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. THD 0.01% at 1,000 Hz; S/N 110 dB. 17 x 2 7/8 x 8 1/2 in. \$495
XM6-RS. RS-232 Interface for above. \$70

XM16-3AA Active Crossover

3 way. Crossover points user-specified from 20-5,000 Hz. RCA connectors. Features low- and high-pass filters with 48-dB/oct slopes. Level controls. THD 0.001% at 1,000 Hz; S/N 110 dB. \$499
XM16-AA. As above, 2 way. \$349
XM16-KK. As XM16-AA, unassembled kit. \$299

XM9-3AA Active Crossover

3 way. Crossover points user-specified from 20-5,000 Hz. RCA connectors. Features low- and high-pass filters with 24-dB/oct slopes. Level controls. THD 0.001% at 1,000 Hz; S/N 110 dB. \$399

WMB-AA Parametric Bass EQ

Features 4-amplifier quadratic filter with additional op-amps; rumble filter; 20-Hz subsonic filter; film capacitors; metal-film resistors. Bypass and tape-monitor switches; level control for each channel. THD 0.01% at 1,000 Hz; S/N 110 dB. 17 x 2 7/8 x 8 1/2 in. \$399
WMB-KK. Kit form of above. \$250

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. THD 0.01% at 1,000 Hz; S/N 110 dB. \$30

MCINTOSH

MQ 108 7-Band Parametric EQ

Variable center frequencies. Balanced and unbalanced inputs and outputs. Treble-compensation controls. THD 0.002%; S/N 105 dBA. \$300

MERIDIAN

Model 607 A/D Converter

Analog Input with selectable sens (650 mV/2 V); direct 2.4-V analog input; 2 coaxial and 2 fiber-optic digital outputs. 1-bit A/D conversion. A/B input selection; sampling-rate control; selectable 15-50 μ s pre-emphasis. 16- and 18-bit versions available. Sampling rates 44,100 and 48,000 Hz. \$2,250

MTX SOUND CRAFTSMEN

E440 Pro 21-Band Graphic EQ

Center frequencies 1/3-oct apart below 1,000 Hz and 2/3-oct apart above 1,000 Hz; 15-dB boost/cut. Features differential/comparator unity-gain circuitry; digital C-MOS switching for tape monitor. EQ record and defeat. THD 0.01%; S/N 114 dB. \$549

MUSEATEX

HES-5500 Surround-Sound Processor

Dolby Pro Logic, Dolby Surround, THX controller. Buffered outputs; stereo subwoofer output. Features floating-charge power supply. Adjustable digital delay (16-36 ms); programmable nonvolatile memory; software-driven volume and switching functions; switchable EQ and center-channel low-frequency filter circuitry; adjustable input sens; remote control. 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. Line-level inputs; passive and active high-pass outputs; mono and stereo low-pass outputs. Features 24-dB/oct slopes. S/N 95 dB. 5-yr warranty. 7 1/4 x 3 x 13 1/4 in; 8 lb. \$699

NAD

Model 910 Surround-Sound Processor

7 channels, Dolby Pro Logic, club, hall, and stadium surround modes; Super Stereo mode to add center-channel fill to stereo listening. 3 A/V inputs; left, right, center, 2 rear, and subwoofer line-level outputs. Features Sibilance Filter to reduce hiss and improve tonal balance; CDR for automatically raising volume of low-level passages without affecting louder ones; processor-bypass switch. \$599

NAIM

NAXOS-6 Active Crossover

3 way. Designed for flat-response speakers. User-specified crossover points. Features 18-dB/oct slopes. \$1,125

NESTOROVIC LABS

NL12A Active Crossover

2 way. Crossover point 200 Hz. Stereo subwoofer output. High- and low-pass level controls. THD 0.01%; S/N 90 dB. \$935

ONKYO

ES-600PRO Surround-Sound Processor

3 channels; Dolby Pro Logic, Dolby Surround. 3-channel 90-W amp. Discrete output stages. Hall and stadium ambience presets; 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); THD 0.09%. 18 x 3 3/4 x 12 3/4 in; 13.9 lb. \$400

Integra EQ-35 12-Band Graphic EQ

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. Features 10-tone signal generator with step and sweep modes; signal-flow display; LED level indicators. THD 0.01%. 17 1/2 x 3 1/2 x 14 3/4 in; 10 lb. \$350

EQ-201 7-Band Graphic EQ

Center frequencies at 64, 160, 400, 1,000, 2,500, 6,300, 16,000 Hz; 12-dB boost/cut. Tape loop. Features spectrum analyzer; EQ defeat; LED level indicators. THD 0.01%. 18 x 3 3/4 x 12 in; 7.5 lb. \$250
EQ-101. As above, no spectrum analyzer. \$160

OPTIMUS BY RADIO SHACK

Model 31-2025 10-Band EQ

± 12 -dB boost/cut. 2 tape loops. Stereo expander; EQ defeat button; LED spectrum display. S/N 95 dB. 16 1/4 x 2 5/8 x 8 1/2 in; 6 lb. \$120

PACKBURN

Model 323A Audio Noise Suppressor

Incorporates 3 defeatable processors to suppress noise transients and hiss. XLR and RCA inputs and outputs. Features single-ended design; adjustable, metered-fixed, or dynamic treble-cutoff action with 8-dB/oct slope. Selectable treble EQs for processing lateral-cut, vertical-cut, or stereo discs; input metering. S/N 75 dB. 19 x 10 x 17 in. \$2,650

PARAMOUNT PICTURES

DPL-4 Surround-Sound Processor/Subwoofer

Dolby Pro Logic decoder, 240-W amp, and subwoofer in one enclosure. 6 channels. Features 12-in slide-firing dual-voice-coil driver; quasi-complementary amp circuitry; 2-ohm stability. 3 ambience presets including mono-enhance; 3 delay levels; test-tone and master-volume controls; remote control. 40 W x 6. \$650

DPL-3 Surround-Sound Processor

6 channels; Dolby Pro Logic. 2-channel 50-W amp. Left, right, center, subwoofer, and 2 rear line-level

outputs. 3 ambience presets including mono-enhance; 3 delay levels; center-channel balance; test-tone and master-volume controls; remote control. 25 W x 2 (center, rear). Black anodized brushed-aluminum faceplate \$330

D-100 Surround Processor/Speaker

Passive matrix surround decoder combined with center-channel speaker. Features two 3 1/2-in drivers. Stereo/surround, front/rear balance, and master-level controls. Includes matching 2-way surround speaker. Black woodgrain or Chatsworth oak vinyl finish \$200

PIONEER

SP-700D Surround-Sound Processor

4 or 6 channels. Features 50-bit LSI DSP; 4x-oversampling digital filter; four 16-bit D/A converters; 16-bit linear quantization for A/D conversion; 7-gang motor-driven volume control. Dolby Pro Logic decoder; Dolby 3 Stereo, stadium, and studio surround modes; 2 theater and 2 simulated surround modes; hall, jazz, club, disco, and church sound fields; 16 sound-field presets; variable initial-delay, room-size, liveness, reverb-time, and high-frequency reverb-response parameters; 7-band digital graphic EQ; remote control. 16 3/8 x 3 3/8 x 13 1/4 in \$735

GR-777 10-Band Graphic EQ

Center frequencies at 32, 63, 125, 250, 500, 1,000, 2,000, 4,000, 6,000 and 16,000 Hz; 10-dB boost/cut. Dual 10-band spectrum displays; 5 factory and 5 user EQ presets; remote control. THD 0.02%; S/N 110 dB. 16 3/8 x 3 3/8 x 12 1/4 in \$410

GR-555 7-Band Graphic EQ

Center frequencies at 60, 150, 400, 1,000, 2,400, 6,000, and 15,000 Hz; 10-dB boost/cut. Tape loop. Dual 7-band spectrum displays; EQ-defeat switch. THD 0.02%; S/N 104 dB. 16 3/8 x 4 1/8 x 13 1/4 in ... \$260

Elite Series

SP-91D Surround-Sound Processor

Dolby Pro Logic. Features 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 ambience presets; 7-band graphic EQ; FL display; SR-system; remote control. 18 x 3 3/8 x 3 1/4 in; 13 lb \$1,000

PROTON

SD-1000 Surround-Sound Processor

Cinema, music, and stereo-bypass ambience presets. 4 inputs; 9 outputs. Features dialog scatter reduction circuitry; input balance; 7 output trimmers. 16 1/2 x 9 3/4 x 2 3/4 in; 9 lb \$600

RANE

THX 44 11-Band Graphic/Parametric EQ

4 channels (left, center, right, subwoofer). Features THX certification; 11-band 1/3-oct graphic EQ for left, center, and right channels; 2-band parametric EQs for high frequencies and subwoofer channel. THD 0.005%; S/N 120 dBA \$1,299

ME-60 30-Band Graphic EQ

Center frequencies 1/3-octave apart; ± 12-dB boost/cut. RCA and XLR connectors. Features low- and high-cut filters; constant-Q design \$699

ROTEL

RSP960AX Surround-Sound Processor

Dolby Pro Logic. Switchable active/passive subwoofer output; 3 video inputs; video-monitor output; composite and S-video connectors. Tape monitoring; remote control \$600

SESCOM

PO-40 5-Band Graphic EQ

Center frequencies at 60, 240, 1,000, 3,000, and

10,000 Hz; 12-dB boost/cut. Mono. Features defeat switch \$104

PO-16 2-Band Parametric EQ

Center frequencies 20 or 100 Hz and 10,000 or 20,000 Hz; 10-dB boost/cut. 1 RCA input and output per band. Mono. Defeat switches \$92

SNELL ACOUSTICS

EC 200 Active Crossover

2 way. Designed for subwoofer/satellite systems. L/R stereo inputs; L/R high- and low-pass outputs; summed mono low-pass output; gold-plated connectors. Features low-pass filters with 24-dB/oct slopes at 80 Hz; high-pass filters with 12-dB/oct slopes at 80 Hz. Class A amplification; metal-film resistors; film capacitors. Adjustable level controls. THD 0.01%. 8 1/2 x 6 x 2 1/4 in \$299

EC 300 Active Crossover

3 way. 3 gold-plated RCA inputs; 5 gold-plated RCA outputs; summed-mono low-pass output. Low-pass filters with 24-dB/oct slopes at 80 Hz; high-pass filters with 12-dB/oct slopes at 80 Hz. Adjustable level controls. THD 0.01%. 8 1/2 x 6 x 2 1/4 in \$299

SNELL DIGITAL

CQ-10 Digital Signal Processor

Designed to eliminate undesirable sonic characteristics of speakers and compensate for listening-room aberrations. Computerized dynamic alteration of equalization and group delay of speaker signal to cancel phase shifts, response aberrations, and most room resonances. Analog and digital inputs/outputs. Features open architecture based in MusicSoft Music Operating System to support optional plug-in software \$3,499

SONANCE

VME-1 Parametric EQ

2 channels. Center frequency variable from 500-3,000 Hz; 3 selectable bandwidths; 0 to -12-dB cut range. Designed for midrange frequencies. Gold-plated RCA jacks. Separate cut control for each channel; multiple-unit cascade capability. 2 7/8 x 4 x 1 1/2 in \$215

SONY

SEQ-711 7-Band Graphic EQ

Center frequencies at 63, 160, 400, 1,000, 2,500, 6,300, and 16,000 Hz; 10-dB boost/cut. 5 factory and 10 user EQ presets; dual spectrum analyzers; remote control \$240

SOUND CONCEPTS

SSD550 Surround-Sound Processor

Matrix surround. 2 front- and 2 rear-channel outputs. Features rear-channel derivation from surround video sources. S/N 85 dB \$975

IR2100 Image-Restoration System

Stereo image enhancer. Features continuously variable speaker/listener angle with 20-100° control; 15-ft-wired remote control. remote cable. S/N 80 dB; THD 0.1% \$360

VSP-1 Stereo Synthesizer

Creates simulated stereo from mono sources. Features 10-band harmonically-related frequency divisions. S/N 80 dB \$179

SOUND ENGINEERING

PFM-8 EQ/Tape-Deck Interface

Features meters; switchable pre/post-EQ tape outputs \$2,450

PFM-9 Active Crossover

2 or 3 way. Features linear-phase Class A design \$2,050

SUMO

Delliah II Active Crossover

2 way. Independently selectable low- and high-pass points at 50, 75, 100, 150, and 200 Hz. Bridgeable stereo and mono low-pass outputs. Features 12-dB/oct slopes. Switchable 6- or 12-dB/oct low-pass filter with level control. 19 x 1 3/4 x 8 3/4 in \$599

SYMETRIX

SX201 3-Band Parametric EQ

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-220 10-Band Graphic EQ

Center frequencies at 30, 60, 125, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; ± 12-dB boost/cut. 1 line-level input; 1 line-level output; tape loop. EQ-defeat and pre/post EQ switches; spectrum display; source/tape monitor selectable; EQ-record switch; LED display. 17 1/8 x 3 3/4 x 8 3/8 in; 5 lb ... \$140

EQA-110 10-Band Graphic EQ

Center frequencies at 30, 60, 120, 250, 500, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut. 1 line-level output; 1 line-level input; tape loop. EQ-defeat and line/tape input switches; EQ-record switch; tape-monitor switches; LED indicator. 17 1/8 x 3 3/4 x 8 3/8 in; 5 1/2 lb \$100

TECHNICS

SH-GE90 Digital Signal Processor

2 mic inputs. Digital parametric EQ with ± 12-dB boost/cut and 25 center frequencies; heavy, clear, soft, vocal, headphone-stereo, and car-stereo sound presets; hall, live, disco, church, stadium, and theater sound fields; karaoke voice-mute function with key control and reverb effects; mic level control; spectrum analyzer; jog dial. THD 0.08%; S/N 86 dB. 17 x 3 3/8 x 11 1/2 in \$320

SH-GE70 7-Band Graphic EQ

Center frequencies at 63, 160, 400, 1,000, 2,500, 6,300, and 12,500 Hz; ± 12 dB boost/cut. Dual spectrum analyzers; peak-hold display; tape-monitor and EQ-defeat controls; 6 factory and 6 user presets. THD 0.005%. S/N 105 dB \$180

THETA DIGITAL

Timebase Linque Digital Signal Conditioner

Designed to improve the quality of digital signal transmission. Coaxial and Toslink digital inputs; coaxial digital output. Features digital jitter reduction. 4 x 4 x 1 1/2 in; 3 lb \$199

YAMAHA

DSP-E200 Surround-Sound Processor

3 channels; digital Dolby Pro Logic. Line-level center-channel output; unswitched AC outlet. 3-channel 75-W amp. Features antivibration construction; 5-gang volume control. Concert-video. mono-movie, rock-concert, and concert-hall DSP modes; 35-mm theater DSP-surround mode; auto input balance; digital test-tone generator for Dolby Pro Logic; separate level controls for center and front/rear effects; wide and phantom center-channel modes; digital delay; tape-monitor control; multifunction LCD; remote control. 25 W rms x 3 (center, L/R effects) into 8 ohms at 1,000 Hz with 0.08% THD. 17 1/8 x 5 7/8 x 11 1/8 in \$499

EQ-550 10-Band Graphic EQ

Center frequencies at 30, 60, 120, 240, 480, 1,000, 2,000, 4,000, 8,000, and 16,000 Hz; 12-dB boost/cut. Pink-noise generator; electret-condenser mic; FL spectrum analyzer; meter-level adjust; output-level control; switchable subsonic filter \$399

S P E A K E R S

ACOUSTIC ENERGY

The following feature a bass-reflex design with patented metal-cone drivers.

AE-2a 2-Way Speaker

Power handling 250 W rms; FR 60-18,000 Hz \pm 2.5 dB; sens 90 dB SPL/W/m; imp 5.5 ohms at 50 and 250 Hz. Piano-black finish. 9 1/2 x 15 1/2 x 13 1/4 in. \$2,795
 Above with stands \$3,795
 Rosewood finish \$2,595
 Above with stands \$3,595
 Satin-black finish \$2,195
 Above with stands \$3,195

AE-1 2-Way Speaker

Power handling 200 W rms; FR 70-22,000 Hz \pm 2.5 dB; sens 88 dB SPL/W/m; imp 8 ohms. Piano-black finish. 7 1/4 x 11 7/8 x 10 1/4 in. \$1,895
 Above with stands \$2,445
 Rosewood finish \$1,695
 Above with stands \$2,295
 Satin-black finish \$1,495
 Above with stands \$1,995

AEIGS 2-Way Speaker

Power handling 150 W rms; FR 50-18,000 Hz \pm 2.5 dB; sens 86 dB SPL/W/m; imp 8 ohms. 8 1/2 x 15 3/4 x 10 1/2 in. Black-ash finish \$795
 Above with stands \$995

ACOUSTIC INTERFACE

The following feature a 15-yr limited warranty.

Sound Prism 3-Way Powered Speaker

Triamplified vented-horn design with 24 x 52-in compression woofer, 24-in horn midrange, and 6 1/2-in horn tweeter; 1,500-W woofer amp, 300-W midrange amp, and 100-W tweeter amp. Features voltage/current, tweeter/thermal overload, clipping, and DC protections; infrared or fiber-optic transmitter from amp to speaker. Midrange and tweeter-level controls. Crossover points 550 and 5,000 Hz; FR 10-20,000 Hz \pm 1 dB; sens 105 dB SPL/W/m; imp 8 ohms. Oiled walnut or oak cabinet. 27 x 80 x 36 in; 500 lb \$30,000/pr

Sound Portal 3-Way Speaker

Vented-horn design with 24 x 52-in compression woofer, 24-in horn midrange, and 6 1/2-in horn tweeter. Features tweeter-overload protection. Midrange and tweeter level controls. Crossover points 800 and 5,000 Hertz; frequency response 15-20,000 Hz \pm 2.5 dB; sensitivity 101 dB sound-pressure level/watt/meter; impedance 8 ohms. Oiled walnut or oak cabinet finish. 27 x 80 x 36 in; 400 lb \$15,000/pr

Studio Reference 3-Way Speaker

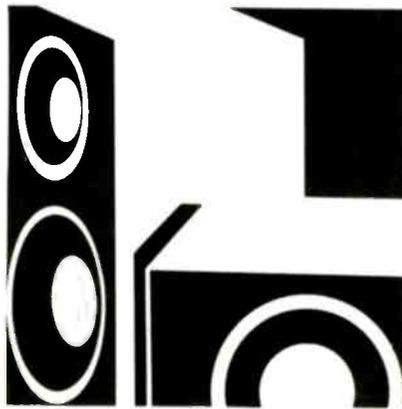
Vented design with 12-in woofer, 15 x 4-in horn midrange, and 5 1/4 x 2-in horn tweeter. Features tweeter-overload protection. Midrange and tweeter level controls. Crossover points 880 and 5,000 Hz; FR 22-20,000 Hz \pm 2.5 dB; sens 98 dB SPL/W/m; imp 8 ohms. Oiled walnut or oak cabinet. 16 x 60 x 14 1/4 in; 102 lb \$4,380/pr

Professional Series III 4-Way Speaker

Vented design with 12-in woofer, 3-in dome midrange, 1 1/2-in dome midtweeter, and 3/4-in tweeter. Midrange, midtweeter, and tweeter level controls. Crossover points 600, 2,000, and 7,000 Hz; FR 25-20,000 Hz \pm 2.5 dB; sens 95 dB SPL/W/m; imp 8 ohms. Oiled walnut or oak cabinet. 16 x 48 x 14 1/4 in; 90 lb \$2,580/pr

Tremor Powered Subwoofer

Vented design with two 12-in drivers in separate subenclosures; 800 W x 2 amp with active crossover. FR 29-200 Hz \pm 2.5 dB; sens 96 dB SPL/W/m; imp 8 ohms. Oiled walnut or oak cabinet. 27 x 63 1/4 x 16 in; 150 lb \$1,990
 Above without amp. Features passive crossover \$1,290



Professional Series IIS 3-Way Speaker

Vented design with 12-in woofer, 2-in dome midrange, and 1-in dome tweeter. Midrange and tweeter level controls. Crossover points 800 and 6,600 Hz; FR 29-20,000 Hz \pm 2.5 dB; sens 95 dB SPL/W/m; imp 8 ohms. Oiled walnut or oak cabinet. 16 x 36 x 14 1/4 in; 80 lb \$1,780/pr

Transcendent 2-Way Speaker

Vented design with 12-in woofer and 1 1/4-in dome tweeter. Tweeter level control. Crossover point 1,900 Hz; FR 38-20,000 Hz \pm 2.5 dB; sens 94 dB SPL/W/m; imp 8 ohms. Oiled walnut or oak cabinet. 16 x 32 x 11 3/4 in; 51 lb \$980/pr

Intimate 2-Way Speaker

Acoustic-suspension design with 10-in woofer and 1-in dome tweeter. Tweeter level control. Crossover point 5,000 Hz; FR 49-20,000 Hz \pm 2.5 dB; sens 93 dB SPL/W/m; imp 8 ohms. Oiled walnut or oak cabinet. 12 x 24 x 10 1/4 in; 29 lb \$580/pr

Shadow 2-Way Speaker

Acoustic-suspension design with 8-in woofer and 1-in dome tweeter. Crossover point 5,000 Hz; FR 69-20,000 Hz \pm 2.5 dB; sens 91 dB SPL/W/m; imp 8 ohms. Cylindrical cabinet. 24 1/2 height x 8 3/4 in diameter \$380/pr

Angstrom 2-Way Bookshelf Speaker

Acoustic-suspension design with 6 1/2-in woofer and 1-in dome tweeter. Crossover point 5,000 Hz; FR 78-20,000 Hz \pm 2.5 dB; sens 90 dB SPL/W/m; imp 8 ohms. Walnut or oak finish. 7 1/2 x 12 7/8 x 6 1/2 in; 9 lb \$380/pr
 Charcoal-enamel finish \$300/pr

ACOUSTIC PROFILES

PSL-AVS3P Home Theater System

Powered subwoofer with 10-in driver; 2 satellites, each with one 6-in polypropylene woofer and one 3/4-in polydome tweeter; 1 center-channel speaker with 4-in woofer and 3/4-in polydome tweeter; 2 surround speakers, each with one 4-in woofer and one 3/4-in polydome tweeter \$998
 PSL-AVS3. As above, passive subwoofer \$798

PSL-AVS2P Subwoofer/Satellite System

Powered subwoofer with 10-in driver; 2 satellites, each with one 6-in polypropylene woofer and one 3/4-in polydome tweeter \$699
 PSL-AVS2. As above, passive subwoofer \$499

PSL-AVS1 Surround System

1 center-channel speaker and 2 surround speakers, each with one 4-in woofer and one 3/4-in polydome tweeter \$299

ACOUSTIC RESEARCH

Limited Model 3 3-Way Speaker

Acoustic-suspension design with 12-in polypropylene woofer, two 3-in soft-dome midranges, 1-in soft-

dome tweeter. Features 12-gauge air-cored coils; polypropylene-film capacitors. Biwire/biamp terminals. Power handling 200 W cont; crossover points 300 and 2,500 Hz; FR 38-20,000 Hz \pm 2.5 dB; sens 88 dB SPL/W/m; imp 4 ohms \$6,875/pr

Athena Subwoofer/Satellite System

Subwoofer with 8-in dual-voice-coil driver in filtered suspension enclosure, two satellites, each with 3 1/2-in midrange and 3/4-in liquid-cooled fabric-dome tweeter. Features forced-air subwoofer cooling, magnetically satellite shielding. 40 lb \$599
 Wall-mount kit for satellites \$49

Classic Series

Unless otherwise noted, the following feature a symmetrical radiation configuration, an internally braced MDF cabinet, and an acoustic-suspension design.

Model 30 3-Way Speaker

Two 10-in polypropylene woofers, two 5 1/4-in polypropylene midranges, 1-in soft-dome tweeter. Power handling 350 W max; crossover points 200 and 2,000 Hz; FR 38-20,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 4 ohms. 11 x 5 1/2 x 15 in \$2,500/pr

Model 26. As above, two 8-in woofers. Power handling 300 W max; FR 40-20,000 Hz \pm 3 dB. 9 3/4 x 4 5/2 x 12 3/4 in \$2,000/pr

Model 18. As Model 30, one 8-in woofer. Power handling 250 W max; FR 42-20,000 Hz \pm 3 dB. 9 7/8 x 3 5/2 x 12 3/4 in \$1,500/pr

Model 12 2-Way Speaker

Two 6-in polypropylene woofers, 1-in soft-dome tweeter. Power handling 200 W max; crossover point 2,000 Hz; FR 46-20,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 4 ohms. 8 7/8 x 3 3/4 x 11 in \$1,200/pr

Model 8 2-Way Speaker

8-in polypropylene woofer, 1-in soft-dome tweeter. Power handling 150 W max; crossover point 3,000 Hz; FR 50-20,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 6 ohms. 9 7/8 x 2 2 x 13 1/4 in \$525/pr

Model 6 2-Way Speaker

6-in polypropylene woofer, 1-in soft-dome tweeter. Power handling 125 W max; crossover point 3,000 Hz; FR 55-20,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 6 ohms. 8 1/8 x 1 8 5/8 x 11 in \$400/pr

Model 5 2-Way Bookshelf Speaker

Vented design with 5 1/4-in polypropylene woofer, 1-in soft-dome tweeter. Power handling 100 W max; crossover point 3,000 Hz; FR 60-20,000 \pm 3 dB; sens 88 dB SPL/W/m; imp 6 ohms. 6 3/4 x 13 3/8 x 9 in \$325/pr

Holographic Imaging Series

M6 3-Way Speaker

Acoustic-suspension design with two 8-in paper-cone woofers, 5-in midrange, and 3/4-in ferrofluid-cooled aluminum-dome tweeter. Power handling 200 W. Gray suede, white/black gloss, or veneer finish. 8 1/2 x 4 2 x 10 1/2 in; 42 lb \$1,299/pr

M5 3-Way Speaker

8-in pulp-paper woofer with filtered suspension, 5-in carbon/mica-filled polypropylene midrange, 3/4-in aluminum-dome tweeter. Black-ash veneer, walnut-veneer, or gloss-black laminate finish \$1,080/pr
 Gray Nextel finish \$980/pr

M4.5 3-Way Speaker

Two 8-in woofers with isolated-chamber design, 1/2-in poly-dome fluid-cooled tweeter. Biwire/biamp terminals. Crossover points 65 and 3,800 Hz; FR 47-23,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 4 ohms. 9 1/4 x 3 6 x 11 3/4 in \$799/pr

M4 3-Way Speaker

Acoustic-suspension design with 6-in pulp woofer, 6-in polypropylene midrange, 3/4-in ferrofluid-cooled dome tweeter. Power handling 150 W; crossover points 100 and 3,600 Hz; FR 50-20,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 4 ohms. Charcoal-gray vinyl finish. 7 3/4 x 2 8 1/8 x 15 1/4 in; 26.5 lb \$599/pr

S P E A K E R S

M3 3-Way Speaker

Acoustic-suspension design with 8-in polypropylene woofer, 2½-in midrange, ½-in ferrofluid-cooled dome tweeter. Power handling 125 W; crossover points 1,200 and 7,000 Hz; FR 53-20,000 Hz -3 dB; sens 90 dB SPL/W/m; imp 4 ohms. Charcoal-gray vinyl finish. 9¼ x 21½ x 15¾ in; 23.5 lb \$399/pr

M2 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in polypropylene woofer, ¾-in ferrofluid-cooled dome tweeter. Power handling 125 W; crossover point 3,600 Hz; FR 58-20,000 Hz -3 dB; sens 90 dB SPL/W/m; imp 4 ohms. Charcoal-gray vinyl finish. 9¼ x 16¼ x 14 in; 18.5 lb \$329/pr

M1. As above, 6-in woofer. Power handling 100 W; FR 65-20,000 Hz -3 dB; sens 88 dB SPL/W/m. 7¾ x 10½ x 11¼ in; 12 lb \$269/pr

M.5 2-Way Bookshelf Speaker

Vented design with 5½-in polypropylene woofer and ½-in poly-dome fluid-cooled tweeter. Features rubber woofer surround. Crossover point 6,000 Hz; FR 68-23,000 Hz -3 dB; sens 88 dB SPL/W/m; imp 6 ohms. 6¼ x 8¼ x 7¼ in \$219/pr

MC.1 2-Way Center-Channel Speaker

4½-in woofer, ¾-in soft-dome tweeter. Designed for home theater systems. Features bass radiator. FR 80-20,000 Hz -3 dB; sens 87 dB SPL/W/m; imp 6 ohms. 18¼ x 5½ x 6¾ in \$159

Powered Partner Series

The following are magnetically-shielded and feature a triangular-shaped enclosure with polypropylene woofers and midranges.

Powered Partner 570 2-Way Powered Speaker

Acoustic-suspension design with 5-in woofer and 1-in liquid-cooled tweeter. Die-cast alloy cabinet. Volume, bass, and treble controls; LED power-on indicator; auto power on/off. Power handling 35 W; crossover point 5,000 Hz; FR 40-25,000 Hz ±3 dB; imp 8 ohms. 6½ x 10½ x 7¾ in; 8 lb \$399/pr

Powered Partner 622 Powered Sub/Sat System

Filtered-suspension subwoofer with 6-in dual-voice-coil driver; two acoustic-suspension satellites, each with one 2½-in driver; 30 W x 1 subwoofer amp, 8 x 2 satellite amp. Features active crossover; magnetic shielding; forced-air cooling. Volume and tone controls. FR 50-20,000 Hz ±3 dB. Subwoofer: 16 x 6 x 12¾ in. Satellite: 3¾ x 5½ x 3½ in \$349

Powered Partner 42 Powered Mini Speaker

Two 2½-in drivers. Features volume and tone controls. Power handling 8 W; FR 80-20,000 Hz ±3 dB. 3¾ x 8¾ x 3½ in \$229/pr

Powered Partner 22 Powered Mini Speaker

2½-in driver. Volume control. Power handling 3 W; FR 100-20,000 Hz ±3 dB. 3¾ x 5½ x 3½ in \$109/pr

ADJO

Ethic 2-Way Speaker

Vented design with 6½-in polypropylene woofer and 1-in metal-dome tweeter. Features Bessel crossover with air-core inductors and polypropylene capacitors; 24-ft AudioQuest OFC biwire cable assembly. Power handling 100 W; crossover point 3,300 Hz; FR 55-20,000 Hz ±3 dB; sens 88 dB SPL/W/m; imp 8 ohms. Oak finish. 10½ 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/

M30 3-Way Speaker

Dual-tuned band-pass design with two 10-in copolymer woofers, two 6-in copolymer midranges, and one 1-in copolymer-dome tweeter. Features butyl-rubber surrounds; OFC voice coils; solid-state tweeter protection; 24-dB/oct crossover. Multiple-way binding

posts. Power handling 500 W; crossover points 160 and 3,000 Hz; FR 20-22,000 Hz ±3 dB; sens 91 dB SPL/W/m; imp 4 ohms. Rosewood and matte black-veneer finish. 21¾ x 56 x 25¾ in; 150 lb \$8,000/pr

Sub12 Powered Subwoofer

12-in driver; 350-W amp. Features band-pass enclosure; balanced-bridge driver-control system; 4th-order Linkwitz-Riley active crossover with selectable low- and high-pass points. Auto/manual turn-on; subwoofer level adjustable from -12 to +6 dB. Crossover point selectable at 60, 80, or 100 Hz. Walnut-veneer and black finish. 19 x 17¾ x 19 in \$1,895

Sub10. As above. 10-in driver, 150-W amp. 19 x 21¾ x 19 in \$1,295

Model 750IL 3-Way In-Wall Speaker

Infinite-baffle design with 7-in copolymer woofer, 1½-in dome midrange, and 1-in copolymer-dome tweeter. Features magnetically isolated 24-dB/oct Linkwitz-Riley crossover; zero-diffraction design; cast-aluminum mounting; dual isolated input grounds. Biwire/biamp terminals. Power handling 150 W cont; crossover points 700 and 4,000 Hz; FR 42-20,000 Hz; imp 4 ohms. Oak, walnut, white, or black finish. 9¼ x 17¼ x 7½ in \$1,000/pr

MS3 Powered Subwoofer

10-in long-throw copolymer driver; integral 150-W amp. Features 2-in wet-wound OFC-wire voice coil; Kapton former; 24-dB/oct Linkwitz-Riley crossover. Auto turn-on. Crossover point selectable at 65, 85, or 100 Hz; FR 20-100 Hz. Dark charcoal-gray finish. 17½ x 17½ x 17½ in \$995

MS2 Powered Subwoofer

8-in driver long-throw copolymer driver; integral 85-W amp. Features 1½-in wet-wound OFC-wire voice coil; Kapton former; active crossover. Line- and speaker-level inputs. Selectable high- and low-pass crossover points; auto turn-on. FR 30-100 Hz. Dark charcoal-gray finish. 17½ x 11¾ x 14 in \$795

MS1. As above, 7-in driver, 65-W amp. FR 38-100 Hz. 11¾ x 10¼ x 13¾ in \$570

L400e 2-Way Bookshelf Speaker

Acoustic-suspension design with 7-in Stiffite woofer and 1-in copolymer tweeter. Aluminum enclosure; 12-dB/oct crossover. Power handling 100 W continuous; crossover point 2,000 Hz; frequency response 60-20,000 Hz ±3 dB; sensitivity 88 dB SPL/W/m; impedance 4 ohms. Black or white textured urethane finish. 7¾ x 11¾ x 7¾ in \$600/pr

Model 400i/s 2-Way In-Wall Speaker

8-in copolymer woofer, 1-in copolymer-dome tweeter. Features minimum-diffraction-baffle enclosure. Power handling 100 W cont; crossover point 2,000 Hz; FR 42-20,000 Hz ±3 dB; sens 91 dB SPL/W/m; imp 4 ohms. 7¾ x 10¾ x 4¼ in; 5 lb \$500/pr

L300e 2-Way Bookshelf Speaker

Acoustic-suspension design with 5¼-in Stiffite woofer and 1-in copolymer tweeter. Features aluminum enclosure; 12-dB/oct crossover. Power handling 75 W cont; crossover point 2,000 Hz; FR 60-20,000 Hz ±3 dB; sens 88 dB SPL/W/m; imp 4 ohms. Black or white black textured urethane finish. 6 x 8¾ x 6 in \$500/pr

Model 300i/s 2-Way In-Wall Speaker

5¼-in copolymer woofer, 1-in copolymer-dome tweeter. Features minimum-diffraction-baffle enclosure. Power handling 100 W cont; crossover point 2,500 Hz; FR 50-20,000 Hz ±3 dB; sens 92 dB SPL/W/m; imp 4 ohms. 8¾ x 10¾ x 5 in \$400/pr

L200e 2-Way Bookshelf Speaker

Acoustic-suspension design with 4-in Stiffite woofer and 1-in copolymer tweeter. Features brushed-aluminum enclosure; 12-dB/oct crossover. Power handling 50 W cont; crossover point 2,000 Hz; FR 85-20,000 Hz ±3 dB; sens 86 dB SPL/W/m; imp 4 ohms. Textured urethane finish with convex-steel grille. 4½ x 6¾ x 8¾ in \$400/pr

Sub6 Subwoofer

6½-in dual-voice-coil driver in band-pass enclosure. Features passive high/low-pass crossover. Black or white. 19 x 8½ x 8 in \$295
SW2. As above, floor/ceiling mount \$400

SAT Series

SAT7 3-Way Bookshelf Speaker

7-in woofer, 1½-in copolymer-dome midrange, 1-in polypropylene-dome tweeter. Features 24-dB/oct Linkwitz-Riley crossover; isolated floating-baffle design. Power handling 200 W cont; crossover points 700 and 4,000 Hz; FR 40-20,000 Hz; imp 4 ohms. Walnut-veneer and black finish. 8¾ x 17¼ x 10¾ in \$1,400/pr

SAT6 2-Way Bookshelf Speaker

6-in woofer, 1-in polypropylene-dome tweeter. Features 24-dB/oct Linkwitz-Riley crossover; isolated floating-baffle design. Power handling 150 W cont; crossover point 2,000 Hz; FR 50-20,000 Hz; imp 4 ohms. Walnut-veneer and black finish. 7¾ x 13 x 9 in \$800/pr

SAT5 2-Way Bookshelf Speaker

5-in woofer, 1-in polypropylene-dome tweeter. Features 24-dB/oct Linkwitz-Riley crossover; isolated floating-baffle design. Power handling 100 W cont; crossover point 2,000 Hz; FR 60-20,000 Hz; imp 4 ohms. 8¾ x 17¾ x 10¾ in \$650/pr

ADVANCED AKUSTIK

Model 1001 MkIV PPIS Reference 3-Way Speaker

Push-pull Isobarik design with four 12-in woofers, two 5-in midranges, and one 1½-in dome tweeter. Crossover points 155 and 2,700 Hz; FR 20-24,000 Hz ±2 dB; sens 92 dB SPL/W/m; imp 4 ohms. Optional wood finish. 14 x 62 x 22 in; 350 lb \$10,500/pr

Model 1001 MkIV Akustik Reference 3-Way Speaker

Aperiodic design with two 12-in woofers, two 5-in cone midranges, and one 1½-in dome tweeter. Crossover points 115 and 2,700 Hz; FR 25-24,000 Hz ±2 dB; sens 92 dB SPL/W/m; imp 4 ohms. Optional wood finish. 14 x 62 x 22 in; 250 lb \$7,000/pr

Model 801 MkIV Reference 2-Way Speaker

B6 vented design with two 9-in woofers and one 1½-in dome tweeter. Crossover point 2,250 Hz; FR 30-24,000 Hz ±2 dB; sens 92 dB SPL/W/m; imp 4 ohms. Optional wood finish. 11 x 50 x 16 in \$3,700/pr

MkIV PPIS Reference Subwoofer

Push-pull Isobarik design with two 12-in magnesium-impregnated poly-cone drivers. Level controls. Power handling 1,000 W max; crossover point 115 Hz; FR 20-200,000 Hz ±2 dB; sens 90 dB SPL/W/m; imp 4 ohms. 14 x 26 x 22 in \$3,500/pr

Model 701 MkIV Reference 2-Way Speaker

QB3 vented design with 9-in woofer and 1½-in dome tweeter. Crossover point 2,250 Hz; FR 35-24,000 Hz ±2 dB; sens 90 dB SPL/W/m; imp 8 ohms. Optional wood finish. 10 x 40 x 13 in; 75 lb \$2,500/pr

MkIV Reference Subwoofer

Aperiodic design with 12-in magnesium-impregnated poly-cone driver. Level control. Power handling 1,000 W max; crossover point 115 Hz; FR 25-200,000 Hz ±2 dB; sens 90 dB SPL/W/m; imp 8 ohms. Optional wood finish. 14 x 26 x 22 in \$2,300/pr

Model 401 MkIV Akustik 2-Way Speaker

Aperiodic design with two 7-in woofers and one 1½-in dome tweeter. Crossover point 3,150 Hz; FR 40-24,000 Hz ±2 dB; sens 90 dB SPL/W/m; imp 4 ohms. Optional wood finish. 9 x 37 x 11 in \$2,300/pr

Model 101 MkIV Micro Reference 2-Way Speaker

QB3 vented design with 5-in woofer and 1½-in dome tweeter. Crossover point 2,700 Hz; FR 50-24,000 Hz ±2 dB; sens 87 dB SPL/W/m; imp 8 ohms. Optional wood finish. 7 x 13 x 9 in; 25 lb \$1,500/pr

Model 201 MkIV Compact 2-Way Speaker

Aperiodic design with 7-in woofer and 1½-in dome tweeter. Crossover point 3,150 Hz; FR 45-20,000 Hz ± 2 dB; sens 86 dB SPL/W/m; Imp 8 ohms. Optional wood finish. 9 x 15 x 11 in; 35 lb \$1,300/pr

MkIV Compact Subwoofer

B6 vented design with 9-in driver. Level control. FR 30-200,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. Optional wood finish \$1,300/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; crossover point 1,500 Hz; FR 30-20,000 Hz; imp 8 ohms. 15 x 44 x 11 in; 63 lb \$2,195/pr

ADVANCED SOUND

The following feature an internally braced cabinet made of veneered ¾-in particleboard, a 30-day in-home trial period, and a 3-yr limited warranty. Most are also available in kit form.

Bi-Polar 4-Way Speaker

Omnidirectional design with two 8-in woofers, one 4½-in ferrofluid-cooled polypropylene-treated cone midrange, one 4½-in dome tweeter, and one dome supertweeter. Features 12-dB/oct crossover. Biwire/biamp terminals. Crossover points 150 Hz, 1,000 Hz, 5,000 Hz, and 12,000 Hz; FR 150-22,000 Hz ± 3 dB; sens 94 dB SPL/W/m; imp 4/6 ohms. Oak or walnut-veneer sides, pedestal, and base with black formica-slate top. 30 x 49½ x 6 in; 180 lb \$9,000/pr

Bi-Polar Powered Subwoofer

Four 10-in drivers in 2 separate tuned-port chambers; 160 W x 2 amp. Level control. Crossover point 150 Hz; FR 30-150 Hz ± 3 dB; sens 94 dB SPL/W/m; imp 3/4 ohms. Oak or walnut-veneer sides, pedestal, and base with black formica-slate top. 28 x 49½ x 20 in; 300 lb \$6,500/pr

Campanile Model II 3-Way Speaker

Tuned-port design with two 10-in long-throw woofers, one 8-in midrange in open-backed isolation chamber, and one 3-in ferrofluid-cooled polycarbonate-dome tweeter. Tweeter and midrange level controls. Crossover points 300 and 2,500 Hz; sens 93 dB SPL/W/m; imp 3/4 ohms. Oak or walnut veneer top, solid oak or walnut trim, and black pedestal and veneer base. 13 x 49 x 20 in; 130 lb \$4,000/pr
Kit form of above \$3,500/pr

Zigurat 3-Way Speaker

Tuned-port time-aligned sloping front baffle with 12-in woofer, 4½-in ferrofluid-cooled polypropylene-treated cone midrange in isolation chamber, and 3-in ferrofluid-cooled polycarbonate-dome tweeter. Tweeter and midrange level controls. Crossover points 900 and 6,000 Hz; FR 32-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 6/8 ohms. Oak or walnut-veneer sides, pedestal, and base with black formica slate top. 18 x 41 x 16 in; 150 lb \$3,500/pr
Kit form of above \$3,100/pr

Campanile Model I 3-Way Speaker

Tuned-port tower design with two 8-in woofers, 4½-in polypropylene-treated ferrofluid-cooled cone midrange in isolation chamber, and 3-in ferrofluid-cooled polycarbonate-dome tweeter. FR 38-20,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 4/6 ohms. Oak or walnut-veneer top, solid oak or walnut trim, and black base. 13 x 36 x 13 in; 95 lb \$2,000/pr
Kit form of above \$1,700/pr

Monolith Model 12P Powered Subwoofer

Tuned-port design with 12-in driver; 100 W x 2 amp. Designed to complement Campanile. Level control. Crossover point 150 Hz; FR 32-150 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 6/8 ohms. Oak or walnut veneer top and black base. 20 x 22 x 20 in \$2,000/pr

Monolith Model 10P. As above, with 10-in driver \$1,800/pr
Monolith Model 12. As Model 12P, no amplifier \$1,200/pr
Kit form of above \$1,100/pr
Monolith Model 10. As Model 10P, no amplifier \$1,100/pr
Kit form of above \$1,000/pr

Cornerstone 4/8P Powered Subwoofer

Four 8-in drivers in 2 sealed tuned-port chambers; 80 W x 1 amp. Designed to complement Cornerstone satellites or Campanile I. Dual inputs. Level controls. Crossover point 150 Hz; frequency response 45-150 Hz ± 3 dB; sensitivity 94 dB sound-pressure level/W/m; impedance 3/4 ohms. Oak or walnut-veneer top and black base. 20 x 22 x 20 in; 145 lb \$1,350

Model 12SP. As above, one 12-in dual-voice-coil driver, no crossover. FR 38-150 Hz ± 3 dB; sens 89 dB SPL/W/m \$1,200

Model 4/8 S. As above, four 8-in woofers. No amp. Crossover point 150 Hz; FR 45-150 Hz ± 3 dB; sens 94 dB SPL/W/m \$800
Kit form of above \$600

Model 12S. As above, one 12-in woofer. No amp. FR 38-150 Hz ± 3 dB; sens 89 dB SPL/W/m \$800
Kit form of above \$600

Cornerstone 2-Way Bookshelf Speaker

Two 4½-in polypropylene-treated full-range drivers and one 3-in polycarbonate-dome tweeter in center. Crossover point 6,000 Hz; FR 120-20,000 Hz ± 3 dB; sens 94 dB SPL/W/m; imp 4/6 ohms. Oak or walnut-veneer top and base. 7½ x 18 x 12 in \$600/pr

ADVENT**Advent Heritage 2-Way Speaker**

Two 8-in woofers, one 1-in ferrofluid-cooled parabolic-dome tweeter. Features aluminum woofer coils. Power handling 150 W rms; crossover point 3,500 Hz; FR 42-23,000 Hz ± 3 dB; sens 89.5 dB SPL/W/m; imp 8 ohms. Oiled solid-hardwood finish. 10½ x 37¼ x 13 in; 46 lb \$699/pr

Advent Laureate 2-Way Speaker

Two 6½-in woofers, one 1-in ferrofluid-cooled soft parabolic-dome tweeter. Power handling 125 W cont avg; crossover point 3,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Oiled solid hardwood. 9 x 37¼ x 12 in; 46 lb \$549/pr

Advent Legacy III 2-Way Speaker

10-in woofer, 1-in ferrofluid-cooled parabolic soft-dome tweeter. Features aluminum woofer coil; 18-dB/oct crossover. Switchable impedance. Power handling 100 W cont avg; crossover point 2,500 Hz; FR 40-23,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6/8 ohms. Pecan accents. 14 x 32½ x 10½ in; 42 lb \$450/pr

Advent Video Shielded Prodigy Tower 2-Way Speaker

8-in woofer, ¾-in dome tweeter. Features magnetic shielding; aluminum voice coil. Power handling 75 W rms; FR 45-23,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. Black stained solid-hardwood top and base. 10 x 28½ x 8¾ in; 25.3 lb \$379/pr

Advent Prodigy Tower 2-Way Speaker

8-in woofer, proprietary PPTA ½-in ferrofluid-cooled polyimide hard-dome tweeter. Features aluminum voice coil. Power handling 75 W rms; FR 45-23,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. Solid hardwood top and base. 10 x 28½ x 8¾ in; 25.3 lb \$349/pr

Advent Gallery Series 2-Way In-Wall Speaker

Acoustic-suspension design with 6½-in woofer, ½-in ferrofluid-cooled polycarbonate-dome tweeter. Power handling 50 W cont avg; crossover point 4,500 Hz; FR 60-21,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 6 ohms. Paintable white finish. 12½ x 8½ in. \$299/pr
Mini-Advent Gallery Series. As above, 5¼-in woofer \$199/pr

Mini-Advent Subwoofer III/Satellite System

Subwoofer with two 5¼-in drivers; 2 Mini-Advent speakers. Features aluminum subwoofer-driver coils. Power handling 75 W cont avg; satellite crossover point 4,500 Hz; FR 50-21,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. Black-ash subwoofer finish \$290

Advent Graduate 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in long-throw woofer and ½-in ferrofluid-cooled polycarbonate-dome tweeter. Features aluminum voice coil. Power handling 70 W rms; crossover point 4,500 Hz; FR 55-21,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. Black-stained or natural solid-hardwood top and base. 12½ x 18 x 7¼ in; 18 lb \$249/pr

Advent Baby III 2-Way Bookshelf Speaker

6½-in woofer, ½-in ferrofluid-cooled polyimide-dome tweeter. Features aluminum woofer coil. Power handling 50 W rms; crossover point 4,500 Hz; FR 60-21,000 Hz ± 3 dB; sens 89 dB; imp 8 ohms. Solid hardwood top and base. 11 x 16½ x 6¼ in; 13 lb \$229/pr

Mini-Advent 2-Way Bookshelf Speaker

5¼-in woofer, ½-in ferrofluid-cooled polycarbonate tweeter. Power handling 40 W cont avg; crossover point 4,500 Hz; FR 110-21,000 Hz ± 3 dB; sens 88 dB; imp 8 ohms. Pecan accents. 6½ x 11 x 5½ in; 10 lb \$179/pr

Mini-Advent II 2-Way Indoor/Outdoor Speaker

5¼-in polypropylene woofer, ½-in ferrofluid-cooled polycarbonate-dome tweeter. Features aluminum voice coil. Power handling 40 W rms; crossover point 4,500 Hz; FR 110-21,000 Hz ± 3 dB; sens 88 dB; imp 8 ohms. Black polystyrene top and base. 6½ x 11 x 5½ in; 10 lb \$179/pr

Mini-Advent Bracket. Weather-resistant bracket for above \$60/pr

Advent Audio Focus Center-Channel Speaker

Two 4-in dual-cone drivers. Features magnetic shielding. Power handling 70 W rms; FR 80-20,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 8 ohms. Black textured vinyl finish. 13 x 6 x 5½ in; 6 lb \$129

AERIAL ACOUSTICS**Model 10T 3-Way Speaker**

Two-piece design with 10¼-in polypropylene-cone woofer in one enclosure and 5¼-in multiple-layer Kevlar-cone midrange and 1-in aluminum-dome tweeter in second enclosure. Features cast-magnesium woofer and midrange frames; vented dual-chamber tweeter magnet; inert 30-lb cast-Navalith-stone tweeter/midrange enclosure; 24-dB/oct Linkwitz-Riley biwireable crossover; cross-braced bass chamber. Stand optional. Power handling 100 W min; crossover points 360 and 2,700 Hz; FR 28-20,000 Hz ± 2 dB; sens 86 dB SPL/W/m; imp 4 ohms. Polished architectural walnut with rosewood stain or black finish. Assembled: 13 x 42 x 19 in; 105 lb \$4,495/pr

Model 5 2-Way Bookshelf Speaker

7-in polypropylene-cone woofer, aluminum-dome tweeter. Features cast woofer frame; vented dual-chamber tweeter magnet; military-grade printed circuit board; air coils; polypropylene capacitors. Biwire/biamp terminals. Stand optional. Crossover point 2,500 Hz; FR 60-22,000 Hz ± 3 dB; sens 85 dB SPL/W/m; imp 4 ohms. Polished architectural walnut with rosewood-stain or black-ash finish. 8 x 13 x 10 in \$1,595/pr

AES

The following are water resistant and do not require pre-installed mounting brackets.

AES-400W In-Wall Subwoofer

Two 6 x 9-in polypropylene drivers. Power handling 100 W/ch cont; FR 28-90 Hz; sens 90 dB SPL/W/m;



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S P E A K E R S

imp 8 ohms \$295
AES-300W. As AES-400W, single driver \$230

AES-200S 2-Way In-Wall Speaker

6½-in polypropylene woofer, 1-in ferrofluid-cooled soft-dome tweeter. Features auto-resetting thermal protection. Power handling 80 W cont; FR 40-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms \$180

AES-100S 2-Way In-Wall Speaker

6½-in polypropylene woofer, ¾-in ferrofluid-cooled dome tweeter. Features auto-resetting thermal protection. Power handling 60 W cont; FR 55-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms \$125

AES-50S 2-Way In-Wall Speaker

5¼-in polypropylene woofer, ¾-in ferrofluid-cooled polycarbonate dome tweeter. Features auto-resetting thermal protection. Power handling 30 W cont; FR 70-20,000 Hz; sens 90 dB SPL/W/m; imp 8

AES-50S 2-Way In-Wall Speaker

5¼-in polypropylene woofer, ¾-in ferrofluid-cooled polycarbonate dome tweeter. Features auto-resetting thermal protection. Power handling 30 W cont; FR 70-20,000 Hz; sens 90 dB \$100

AIWA

SC-A75 Powered Mini Speaker System

2 bass-reflex speakers, each with one 3¼-in full-range driver; amplifier and controls within one speaker. Dynamic bass circuitry; sound processor with selections for pop, jazz/rock, and flat; amplifier-defeat switch for passive use; magnetic coupler for connection with in-ear headphones; LED power indicator. Operates on 6 AA batteries. Includes AC adaptor and 59-in interconnect cable. Output power 3 W x 2; FR 100-20,000 Hz. 4¼ x 7½ x 3¾ in; 2.2 lb without batteries \$120

SC-A45 Powered Mini Speaker

Hanging clip; LED power indicator. Output power 0.4 W x 2. Yellow or black \$60/pr

SC-A30 Powered Mini Speaker

2-in full-range driver. Features slide-in mount. Includes 39-in interconnect cable with minl plug. Output power 0.4 W x 2; FR 400-20,000 Hz; sens 83 dB SPL/W/m. Operates on AA batteries. 3 x 4 x 1½ in; 4 oz \$45/pr

ALLISON ACOUSTICS

All models feature a 5-yr warranty.

AL Series

The following feature protection circuitry.

AL-130 3-Way Speaker

Acoustic-suspension design with two 8-in woofers, one 3½-in midrange, and one 1-in convex tweeter. Push-pull woofer configuration. Power handling 200 W; crossover points 450 and 4,000 Hz; sens 87 dB SPL/W/m; imp 6 ohms. Oak, walnut, or black-vinyl finish. 12½ x 37½ x 14½ in \$1,200/pr

AL-125. As above, two 6½-in woofers. 11½ x 30½ x 11½ in; 40 lb \$960/pr

AL-120 2-Way Speaker

Acoustic-suspension design with two 6½-in woofers and one 1-in convex tweeter. Push-pull woofer configuration. Power handling 200 W; crossover points 100 and 2,000 Hz; sens 87 dB SPL/W/m; imp 6 ohms. Oak, walnut, or black-vinyl finish \$660/pr

AL-115. As above, 8-in woofer. Power handling 150 W; crossover point 2,000 Hz. 11½ x 20 x 10½ in; 22 lb \$460/pr

AL-110. As AL-115, 6-in woofer. 9½ x 15½ x 9 in; 16 lb \$360/pr

AL-105. As above, 1-in copolymer-dome tweeter. Crossover point 2,500 Hz. 9½ x 14¾ x 8¼ in; 13 lb \$300/pr

AL-100. As AL-105, simpler crossover. Power handling 75 W. 9¾ x 13¼ x 7¾ in \$240/pr

MS Series

The following are designed for home theater systems and feature a black-lacquer finish.

MS-200 2-Way Satellite Speaker

4-in midrange, ½-in Mylar-dome tweeter. Features magnetic shielding. Power handling 50 W rms; crossover point 140 Hz; frequency response 90-22,000 Hz; sens 90 dB sound-pressure level/watt/meter; impedance 8 ohms. 5¾ x 10 x 5¼ in; 6 lb .. \$260/pr

MS-W4 Subwoofer

8-in driver. Power handling 75 W rms; crossover point 200 Hz; FR 40-200 Hz; sens 86 dB SPL/W/m; imp 2-8 ohms. 11 x 11 x 11 in; 16 lb \$210

MS-202 Center-Channel Speaker

Two 3-in midranges, one ½-in Mylar-dome tweeter. Features magnetic shielding. Power handling 50 W rms; FR 90-22,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. 19 x 5 x 11 in; 10 lb \$180

AV Series

All models are designed for home theater systems and feature a gray finish.

AV-200 2-Way Satellite Speaker

4-in midrange, ½-in Mylar-dome tweeter. Features magnetic shielding. Power handling 50 W rms; crossover point 140 Hz; FR 90-22,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 5¾ x 10 x 5¼ in; 6 lb \$200/pr

AV-W4 Subwoofer

8-in driver. Power handling 75 W rms; crossover point 200 Hz; FR 40-200 Hz; sens 86 dB SPL/W/m; imp 2-8 ohms. 11 x 11 x 11 in; 16 lb \$160

AV-202 Center-Channel Speaker

Two 3-in midranges, one ½-in Mylar-dome tweeter. Features magnetic shielding. Power handling 50 W rms; FR 90-22,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. 19 x 5 x 11 in; 10 lb \$130

ALTEC LANSING

All Altec Lansing speakers feature a 5-yr warranty.

Bias 550 5-Way Powered Speaker

Two 10-in carbon-fiber subwoofers, one 8-in carbon-fiber woofer, one 6½-in carbon-fiber midrange, one 2-in diamond-coated/polyimide upper midrange, and one 1-in tweeter; 5 Class A/B amps. Separate chambers for each driver; 5-way Butterworth crossover. Swiveling midranges and tweeters; remote control with separate level controls for each amp. Subwoofer-amp output power 250 W into 4 ohms; woofer, midrange, and upper-midrange amp power outputs 125 W into 8 ohms; tweeter-amp output power 75 W into 8 ohms; crossover points 80, 150, 450, 1,500, and 4,500 Hz; FR 20-22,000 Hz ± 2 dB; sens 90 dB SPL/W/m \$12,000/pr

Model 512 4-Way Powered Speaker

Acoustic-suspension design with two 10-in carbon-fiber woofers, one 6½-in carbon-fiber midbass, one 2-in polyimide/diamond-coated midrange, and one 1-in tweeter; 4 amps. Triwire/triamp terminals. Auto power on/off; adjustable woofer crossover point. Woofer amp power output 250 W into 4 ohms; midbass, midrange, and tweeter amp power outputs 75 W into 8 ohms; crossover points 80-250 Hz (woofer), 180, 1,500, 3,500 Hz; FR 20-22,000 Hz ± 3 dB; sens 90 dB SPL/W/m. Walnut veneer or black. 13 x 57 x 13½ in; 120 lb \$4,500/pr

Model 511 4-Way Speaker

Acoustic-suspension design with two 10-in carbon-fiber woofers, one 6½-in carbon-fiber midbass, one 2-in polyimide diamond-coated dome midrange, and one 1-in ferrofluid-cooled diamond-coated dome tweeter. Biamp/triamp/quadamp terminals. Power handling 300 W max; crossover points 180, 1,500, and 3,500 Hz; FR 30-20,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 4 ohms. Walnut veneer or black. 13 x 57 x 13½ 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 midrange crossover. Power handling 300 W max; crossover points 180 and 1,500-3,500 Hz (midrange); FR 30-20,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 4 ohms. Walnut veneer or black finish. 12 x 49 x 13½ in .. \$1,600/pr



Altec Lansing
Model 96

AHT2300 Powered Subwoofer

Multipath design with two 10-in long-throw woven-carbon fiber drivers; 100-W Class B amp. Features THX certification; selectable 18- or 24-dB/oct crossover. 100 W x 1 with 0.1% THD; crossover point selectable at 50, 80, 100, or 150 Hz; FR 26-180 Hz ± 3 dB. Black. 17¾ x 17¾ x 17¾ in \$1,200

Model 508A 3-Way Speaker

Acoustic-suspension design with two 8-in carbon-fiber cone woofers, one 2-in polyimide/titanium midrange, and one 1-in ferrofluid-cooled polyimide/titanium tweeter. Power handling 250 W max; crossover points 750 and 3,500 Hz; FR 32-22,000 Hz ± 3 dB; sens 90.5 dB SPL/W/m; imp 6 ohms. Walnut veneer or black finish. 10¾ x 40½ x 11 in \$1,100/pr

AHT2100 3-Way In-Wall Surround Speaker

Two 4-in carbon-filled polypropylene woofers, four 3-in carbon-filled polypropylene midranges, and two 7/8-in ferrofluid-cooled polyimide-dome tweeters. Mountable on or inside wall. Features THX certification. Power handling 150 W max; crossover points 180 Hz and 3,000 Hz; FR 80-20,000 Hz; sens 89 dB SPL/W/m. 15¾ x 11 x 6¼ in \$900/pr

PSW 10 Powered Subwoofer

10-in carbon-fiber driver; 100-W Class B amp. Fea-

tures selectable 18- or 24-dB/oct crossover slope. Crossover point selectable at 50, 80, 100, or 150 Hz; FR 26-180 Hz \pm 3 dB. Walnut veneer or black finish. 17 $\frac{1}{2}$ x 17 $\frac{1}{2}$ x 17 $\frac{1}{2}$ in \$850

Model 515 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 200 W max; crossover points 250 and 3,500 Hz; FR 28-22,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 8 ohms. Black or dark-oak vinyl finish. 12 x 33 $\frac{1}{2}$ x 13 $\frac{3}{4}$ in \$700/pr

Model 315 3-Way Speaker

Acoustic-suspension design with 10-in carbon-fiber woofer, 2-in midrange, and 1-in tweeter. Power handling 200 W max; crossover points 550 and 3,500 Hz; FR 30-20,000 Hz \pm 3 dB; sens 93 dB SPL/W/m; imp 8 ohms. Black or dark-oak vinyl finish. 14 $\frac{1}{2}$ x 27 x 12 in \$650/pr

System 3 Subwoofer/Satellite System

Subwoofer with two 8-in carbon-filled polypropylene drivers; 2 satellites, each with two 3-in carbon-filled polypropylene midranges and one 1/2-in ferrofluid-cooled dome tweeter. Power handling 160 W max; crossover points 180 and 4,500 Hz; FR 32-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Black or white. Subwoofer: 12 x 9 $\frac{3}{4}$ x 20 in. Satellite: 4 x 8 $\frac{1}{2}$ x 3 $\frac{3}{4}$ in \$600

Model 215 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 150 W max; crossover points 250 and 3,500 Hz; frequency response 40-20,000 Hz \pm 3 dB; sensitivity 91 dB SPL/W/m; impedance 8 ohms. Black or dark-oak vinyl finish. Dimensions: 12 x 22 x 9 $\frac{1}{2}$ in \$500/pr

Model 100 3-Way Speaker

Acoustic-suspension design with two 8-in carbon-filled polypropylene woofers, one 4-in dome midrange, and one 7/8-in ferrofluid-cooled dome tweeter. Features fiberglass-filled ABS cabinet. Power handling 200 W max; crossover points 250 and 3,500 Hz; FR 38-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. Black or dark oak vinyl finish. 10 $\frac{3}{4}$ x 40 $\frac{1}{2}$ x 11 in \$500/pr

Model 96 2-Way Speaker

Acoustic-suspension design with two 6 $\frac{1}{2}$ -in carbon-filled textured-polypropylene woofers and one 7/8-in formed-polyester ferrofluid-cooled dome tweeter. Features butyl-rubber woofer surrounds; 12-dB/oct crossover. Power handling 150 W max; crossover point 3,500 Hz; FR 39-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. Black or dark oak vinyl. 8 $\frac{3}{4}$ x 32 x 9 $\frac{1}{2}$ in \$400/pr

ITW-265 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in woofer, 7/8-in polyester-dome tweeter. Midrange and tweeter roll-off controls. Power handling 100 W max; crossover point 3,500 Hz; FR 40 Hz-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 6 ohms. 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 7/8-in ferrofluid-cooled polyimide-dome tweeter. Power handling 120 W max; crossover points 250 and 3,500 Hz; frequency response 40-20,000 Hz; sensitivity 91 dB SPL/W/m; impedance 8 ohms. Black or dark-oak vinyl finish. Dimensions: 12 x 22 x 9 in \$300/pr

AHT2200 Center-Channel Speaker

Acoustic-suspension design with two 5 $\frac{1}{4}$ -in carbon-filled polypropylene-cone woofers and two 1/2-in dome tweeters. Features THX certification; magnetic shielding; fiberglass-filled ABS enclosure; 12-dB/oct crossover. Power handling 150 W max; crossover point 2,500 Hz; sens 89 dB SPL/W/m. Black or white. 7 $\frac{7}{8}$ x 15 $\frac{3}{4}$ x 7 in \$300

Model 115 2-Way Bookshelf Speaker

Acoustic-suspension design with 6-in carbon-fiber woofer and 1-in polyimide/titanium tweeter. Power handling 100 W max; crossover point 2,500 Hz; FR 50-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. Black or dark oak vinyl finish. 9 $\frac{1}{2}$ x 17 x 8 $\frac{1}{2}$ in \$275/pr

Model 55 2-Way Indoor/Outdoor Speaker

Acoustic-suspension design with 4-in epoxy-reinforced carbon-fiber woofer and 3/4-in polyimide-dome tweeter. Features sealed ABS cabinet. Power handling 80 W maximum; crossover point 3,500 Hz; frequency response 85-20,000 Hz \pm 3 dB; sensitivity 86 dB SPL/W/m; impedance 6 ohms. Black or white. Dimensions: 6 $\frac{3}{8}$ x 9 $\frac{3}{8}$ x 5 $\frac{1}{8}$ in \$250/pr

ITW-260 In-Wall Subwoofer

Two 6 $\frac{1}{2}$ -in long-throw drivers. Features 18-dB/oct crossover. Power handling 160 W max; crossover point 180 Hz; FR 32-250 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 4 ohms. 12 $\frac{1}{2}$ 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 7/8-in ferrofluid-cooled polyimide-dome tweeter. Power handling 100 W max; crossover point 3,500 Hz; FR 50-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. 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 one 7/8-in polyimide-dome tweeter. Features ABS cabinet; magnetic shielding. Power handling 200 W max; crossover point 3,500 Hz; FR 45-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Black or white. 7 $\frac{7}{8}$ x 15 $\frac{3}{4}$ x 7 in \$200

SW8 Subwoofer

Ported design with 8-in driver. Features 12-dB/oct crossover. Power handling 100 W; crossover point 180 Hz; frequency response 35-250 Hz \pm 3 dB; sens 90 dB sound-pressure level/W/m; impedance 6 ohms. Black or dark oak vinyl finish \$150

Model 56 2-Way Indoor/Outdoor Speaker

Acoustic-suspension design with 5 $\frac{1}{4}$ -in carbon-filled polypropylene woofer and 1/2-in ferrofluid-cooled dome tweeter. Features weatherproof components; engineering-plastic enclosure; 12-dB/oct crossover. Power handling 80 W maximum; crossover point 4,000 Hz; frequency response 50-20,000 Hz \pm 3 dB; sens 89 dB sound-pressure level/watt/meter; impedance 8 ohms. Black or white. 7 $\frac{7}{8}$ x 9 $\frac{1}{2}$ x 5 $\frac{1}{8}$ in \$125/pr

Model 75 2-Way Bookshelf Speaker

Acoustic-suspension design with 5 $\frac{1}{4}$ -in carbon-filled polypropylene woofer and 1/2-in polyimide-dome tweeter. Features magnetic shielding. Power handling 80 W max; crossover point 4,000 Hz; FR 50-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. Black or oak vinyl finish. 6 x 9 $\frac{1}{2}$ x 6 $\frac{1}{8}$ in \$80

Altec Lansing Multimedia Series

The following models are designed for multimedia computers, CD players, and video games.

ACS300 Powered Computer Speaker System

Subwoofer with two 4-in long-throw drivers and integral 18-W subwoofer amp; 2 satellites, each with one 4-in woofer, one 1/2-in ferrofluid-cooled dome tweeter, and integral 9-W amp. Plugs into computer's audio or video card. Features multipath acoustic-chamber subwoofer design; folding clam-shell satellite design; magnetic satellite shielding; DSP; dynamic equalization to optimize FR at any listening level; 24-dB/oct crossover. Bass, treble, balance, volume, subwoofer, A/B mixing, and DSP controls. Satellite power 9 W with 0.8% THD; subwoofer power 18 W with 0.8% THD; crossover point 120 Hz; FR 35-20,000 Hz \pm 3 dB \$400

ACS200. Above without subwoofer. FR 100-20,000 Hz \$300

ACS100 2-Way Powered Computer Speaker

3-in midrange bass driver, 1/2-in ferrofluid-cooled dome tweeter, 12-W amp. Features DSP for stereo simulation and sound-stage imaging; magnetic shielding; fold-away tweeter design. Inputs and circuitry for 2-source mixing; volume, DSP, and treble controls. Output power 12 W with 0.8% THD; FR 80-20,000 Hz \$180/pr

ACS150 Powered Computer Subwoofer

Multipath acoustic-chamber design with two 4-in dual-voice-coil long-throw drivers; integral 20-W amp. Designed for use with computer speakers. Output power 20 W x 1 with 10% THD; crossover point 250 Hz \$150

ACS50 2-Way Powered Computer Speakers

2 speakers, each with one 2 $\frac{1}{2}$ x 1 $\frac{1}{4}$ -in midrange/bass driver and one 3/4-in ferrofluid-cooled dome tweeter; separate 4.5 W x 2 amp module. Features magnetic shielding, 2 line-level inputs. Provisions for mounting onto computer monitor; 2-source mixing; dynamic bass and treble boosts; LED power indicator, volume control, and headphone output on amplifier. FR 100-20,000 Hz \$100

AMC

B1-20 Powered Subwoofer

8-in driver. Features high- and low-frequency switches \$749

WM100 2-Way Bookshelf 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

ANDANTE

HTB-6 Subwoofer/Satellite System

Subwoofer with two 6 $\frac{1}{2}$ -in carbon-infused polypropylene-cone drivers; five 2-way satellites, each with one 4-in full-range woofer. Designed for home theater systems. Includes swivel-mount brackets. Power handling 120 W subwoofer, 60 W satellite, sens 90 dB SPL/W/m; imp 8 ohms. Subwoofer: 11 x 24 x 14 in. Satellites: 5 x 7 $\frac{1}{2}$ x 5 in \$500

CF65 Subwoofer

Band-pass design with two 6 $\frac{1}{2}$ -in carbon-infused polypropylene-cone drivers. Features passive crossover at 120 Hz. Power handling 120 watts maximum; sensitivity 90 decibels SPL/W/m; impedance 8 ohms. Dimensions: 11 x 24 x 14 inches \$300

M100 2-Way Bookshelf Speaker

Vented design with 4-in woofer. Features weather resistance. Power handling 60 W max; FR 100-21,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black or white. 5 x 7 $\frac{1}{2}$ x 5 in; 3.3 lb \$130

APOGEE

Grand 4-Way Powered Ribbon Speaker

Two 12-in trapezoidal woofer ribbons, separate midrange and tweeter ribbons, subwoofer and tweeter amps. Subwoofer, woofer, midrange, and tweeter level controls. Power handling 100 W cont avg; crossover points 70, 250 and 9,000 Hz; FR 15-25,000; imp 3 ohms. Optional finishes. 32 x 86 x 38 in; 600 lb \$85,000/pr

Studio Grand 2-Way Ribbon Speaker

Trapezoidal 10-in woofer ribbon, midrange/tweeter ribbon. Features crossover. Power handling 250 W cont avg; FR 20-20,000 Hz; sens 115 dB SPL/W/m. Faux or premium high-gloss finish. 72 x 28 $\frac{1}{2}$ x 25 in \$15,600
Black-sand, light-oak, or mahogany finish \$12,600

Studio Grand 2-Way Ribbon Speaker

Trapezoidal woofer ribbon, midrange tweeter ribbon.

Henry Kloss Speakers. Factory-



Henry Kloss, creator of the dominant speakers of the '50s (Acoustic Research), '60s (KLH) and '70s (Advent), brings you Cambridge SoundWorks, a new kind of audio company with factory-direct savings.

Our Center Channel speaker (\$149) and our Center Channel Plus speaker (\$219) are perfect for Dolby® Surround Pro Logic® systems. They offer very high performance, and are magnetically shielded. Center Channel Plus can fit under your TV.



The Powered Subwoofer (\$599) and Slave Subwoofer (\$299) by Henry Kloss provide room-shaking bass (over 100 dB at 30 Hz!). Great for pipe organs and effects in movie soundtracks. Built-in 200w amplifier. 15½" x 26½" x 10¼" (each model)

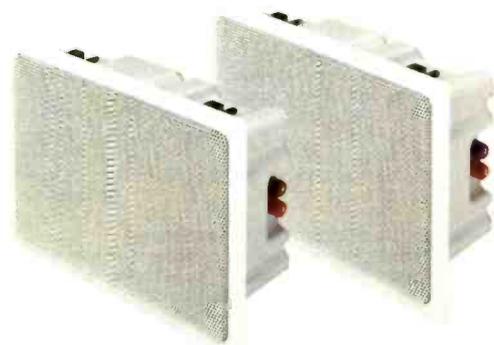
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The Surround II

The Surround

NEW! The Cambridge SoundWorks Model Six continues a 40 year tradition of high performance, high value two-way acoustic suspension loudspeakers by Henry Kloss. The Model Six with its 8" woofer, delivers very natural, accurate, wide-range sound—for only \$119 each, factory-direct. Your choice of three beautiful cabinet finishes.



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The dual-subwoofer Ensemble® speaker system gives you ultimate room-placement flexibility for best real world performance.

Audio magazine says it may be "...the best value in the world." With black-laminate subwoofers (\$599), or black vinyl-clad subwoofers (\$499).



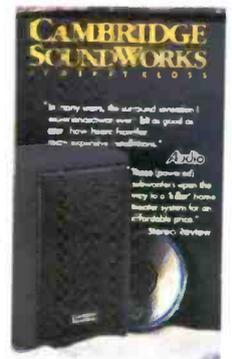
The Ensemble II subwoofer-satellite speaker system by Henry Klösch is one of the best values in the country. We think it's better than speakers costing twice as much. Because we sell it factory-direct, it's only \$399. *Stereo Review* says it "performs far beyond its price and size."

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S P E A K E R S

Power handling 250 W cont avg; FR 30-20,000 Hz; sens 115 dB SPL/W/m. Black sand, light oak, or mahogany finish. 66 x 28½ x 3 in \$7,500

Stage 2-Way Ribbon Speaker

Trapezoidal woofer ribbon, 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, mahogany trim, or taupe with mahogany trim finish \$2,595/pr

Stage Subwoofer. Designed for above. Two 8-in drivers. Power handling 75 W; FR 20-80 Hz; imp 3 ohms. Granite gray finish \$2,595/pr

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 finish. 15 x 46 x 11 in. \$1,795/pr

Ribbin-Wall 2-Way On-Wall Speaker

Hybrid design with 6½-in woofer and 26-in line-source ribbon. Power handling 50 W cont avg; crossover point 1,200 Hz; FR 40-20,000 Hz; imp 6 ohms. Paintable grille. 12 x 52 x 3¼ in. 40 lb \$1,450/pr
In-wall version \$1,350/pr

Centaur Minor 2-Way Ribbon Speaker

Hybrid design with one 6½-in woofer and one tweeter ribbon. Woofer-level control. Power handling 50 W cont avg; crossover point 1,200 Hz; FR 40-20,000 Hz; imp 6 ohms. Metallic gray finish \$1,295/pr

Center Channel 2-Way Ribbon Speaker

Hybrid design with two 6½-in cone woofers and one 16-in midrange/tweeter ribbon. Power handling 50 W cont avg; crossover point 900 Hz; FR 30-20,000 Hz; sens 115 dB SPL/W/m. Paintable metal grille. 23½ x 27 x 6 in \$895

ARANT

The following feature a 5-yr warranty and real walnut enclosures.

A-200 3-Way Speaker

Vented design with 10-in woofer, 4½-in dome midrange, 1-in dome tweeter. Crossover points 800 and 3,500 Hz; FR 34-22,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 6 ohms \$770/pr

A-100 2-Way Speaker

8-in polyfiber woofer, dome tweeter. Power handling 150 W max; crossover point 2,000 Hz; FR 36-22,000 Hz; sens 88 dB SPL/W/m; imp 6 ohms. 10 x 28 x 10 in \$600/pr

A-140 2-Way Speaker

6½-in woofer, 1-in dome tweeter, passive radiator. Crossover point 2,700 Hz; FR 32-22,000 Hz ± 3 dB; sens 93 dB SPL/W/m; imp 8 ohms. 11 x 19 x 11 in; 24.5 lb \$550/pr

A-80 2-Way Speaker

Vented design with 8-in woofer and 1-in dome tweeter. Crossover point 2,000 Hz; FR 38-22,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 6 ohms. 11 x 19 x 10 in; 19 lb \$520/pr

A-60 2-Way Speaker

Vented design with 6½-in woofer, 1-in dome tweeter. Crossover point 2,500 Hz; FR 49-22,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms \$330/pr

A-40 2-Way Speaker

4½-in woofer, ¾-in dome tweeter. FR 60-22,000 Hz - 3 dB; sens 86 dB; imp 6 ohms \$220/pr

ARCHITECTURAL ACOUSTICS BY DR. CRANKENSTEIN

The following feature Acousti-Mass Insulation, Dynamat damping material, and concrete for resonance reduction. They also feature solid 1-in MDF cabinets

veneered in oak laminate, 12-gauge internal cable, and gold-plated binding posts and banana plugs. All models are available in any color-stained wood or painted color.

Reference Series One 3-Way Speaker

Four 12-in woofers, four 6½-in midranges, 1-in tweeter. Features 4th-order enclosures for each woofer; tuned midrange enclosure. Power handling 250 W rms; FR 20-22,000 Hz; sens 96 dB SPL/W/m; imp 8 ohms. 16 x 54 x 16 in \$3,310/pr

Series Three Subwoofer

Sealed design with two 18-in front-firing drivers. Power handling 500 W rms; FR 18-250 Hz; sens 98 dB SPL/W/m; imp 8 ohms. 22 x 44 x 20 in \$2,640/pr

Satellite Series Two 2-Way Speaker

Four 6½-in midranges, 1-in tweeter. Power handling 100 W rms; FR 50-22,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 16 x 20 x 10 in \$1,200/pr

Series Two Subwoofer

Two 15-in drivers. Features downward-firing 5th-order enclosure. Coffee-table-style cabinet. Power handling 300 W rms; FR 20-80 Hz; sens 98 dB SPL/W/m; imp 8 ohms. 36 x 22 x 18 in \$700

Satellite Series One 2-Way Speaker

6½-in midrange, 1-in titanium tweeter. Power handling 60 W rms; FR 50-21,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. 8 x 10 x 8 in \$640/pr

Series One Subwoofer

12-in driver. Features corner-loading rear-firing V-shaped 4th-order enclosure. Power handling 100 W rms; FR 20-100 Hz; sens 96 dB SPL/W/m; imp 8 ohms. 22 x 12 x 12 in \$240

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; biamplification for subwoofer and satellites; magnetic shielding. 1 speaker- and 3 line-level inputs. Auto source selection; theater compensation for bright soundtracks; 30-ms digital delay; dynamic EQ/limiter; test signal for center and surround-channel balancing; individual volume controls for subwoofer, center, and surround channels; master volume control; remote control \$899

Pattern 100 Powered Subwoofer/Satellite System

Vented subwoofer with two 6½-in drivers; 2 satellites, each with two 3-in drivers; 60-W amp. Features rotating dual-enclosure satellites; magnetic shielding; biamplification for subwoofer and satellites. 1 speaker- and 3 line-level inputs; RCA and mini-plug connectors. Dynamic EQ/limiter to protect subwoofer and enhance bass at low levels; auto source selection. Includes satellite mounting brackets. FR 38-20,000 Hz; sens 110 dB SPL/W/m \$399

Model 135 ST. Satellite stands for above \$89

Model 155 WB. Swivel wall-mount brackets for above \$59

150 Series

Model 150 HT. Model 152 PBM, two Model 151 LRs, Model 153 C, and two Model 154 SRs \$849

Above with Model 252 \$949

Model 150 A. Model 152 PBM and two Model 151 LRs \$599

Above with Model 252 \$699

Model 150 CSR. Model 153 C and two Model 154 SRs \$279

Above with Model 252 \$379

Model 252 PBM Powered Subwoofer

12-in long-throw driver; 50 W x 3 or 100 x 1 amp. Features switchable 80/120-Hz crossover point with 24-dB/oct low-pass slope and 12-dB/oct high-pass slope. Bass boost; bass and treble controls. ... \$599

Model 152 PBM Powered Subwoofer

8-in polypropylene woofer; 30 W x 3 or 70 x 1 amp. Features switchable 80/120-Hz crossover point with 24-dB/oct low-pass slope and 12-dB/oct high-pass slope. Bass boost; bass and treble controls. ... \$499

Model 151 LR 2-Way Bookshelf Speaker

4-in polypropylene woofer, ½-in soft-dome tweeter. Features magnetic shielding. Power handling 120 W cont avg. White \$169
Above in black \$149

Model 154 SR Surround Speaker

Two 3½-in polypropylene drivers. Features diagonal mounting and reverse phase between drivers. Includes wall-mount brackets. White \$169/pr
Above in black \$149/pr

Model 153 C 2-Way Center-Channel Speaker

Two 3½-in polypropylene woofers, ½-in polypropylene soft-dome tweeter. Features symmetrical horizontal alignment; magnetic shielding; adjustable aiming platform. Power handling 120 W cont avg. \$139

AUDIENCE

Mikro AU Subwoofer

12-in driver. Power handling 100 W; FR 30-200 Hz; sens 85 dB SPL/W/m; imp 8 ohms. 18¾ x 11 x 18¼ in; 33 lb \$498

Mikro AU 2-Way Mini Speaker

4-in paper midrange, 1-in cloth tweeter. Features die-cast aluminum construction. Power handling 100 W; crossover point 4,000 Hz; FR 50-20,000 Hz; sens 85 dB SPL/W/m; imp 8 ohms. Black or charcoal-gray finish. 4½ x 7 x 4 in; 6 lb \$498/pr

AUDIKRON

VTS 5 + 1 Subwoofer/Satellite System

Subwoofer with 12-in driver; 5 satellites, each with 4-in woofer and ½-in dome tweeter. Features tweeter mounted on antifriction mat. Black-matte finish. Subwoofer: 16½ x 16½ x 14½ in. Satellite: 7¾ x 5 x 5 in \$999

AUDIO CONCEPTS

The following are available in kits.

Sapphire II Ti 2-Way Bookshelf Speaker

Hybrid aperiodic 7-in Kevlar-cone woofer, aperiodic inverted-dome tweeter. Power handling 125 W cont avg; FR 65-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m. Lacquered oak, black, or cherry finish. 10 x 16 x 10 in \$1,699/pr

Sub 1 Subwoofer

12-in dual-voice-coil driver. Power handling 250 W cont avg; FR 20-90 Hz ± 3 dB; sens 89 dB SPL/W/m. Oak, black, or cherry finish. 13 x 25 x 14 in. \$1,599/pr

G3 3-Way Speaker

Aperiodic 10-in woofer, 5-in cone midrange, and 1-in aluminum-dome tweeter. Power handling 200 W cont avg; FR 36-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m. Lacquered oak, black, or cherry finish. 36 x 12 x 12 in \$1,399/pr

LV Subwoofer

12-in dual-voice-coil driver. Features aperiodic enclosure. Power handling 150 W max; crossover point 100 Hz; FR 35-100 Hz ± 3 dB; sens 89 dB SPL/W/m. Lacquered oak, black, or cherry finish \$649

LV Satellite 2-Way Bookshelf Speaker

5-in woofer, 1-in aluminum-dome tweeter. Power handling 100 W cont avg; FR 70-22,000 Hz ± 3 dB; sens 89 dB SPL/W/m. Lacquered oak, black, or cherry finish with black grille. 7 x 11 x 10 in. \$599/pr

LX 2-Way Bookshelf Speaker

8-in woofer, 1-in textile-dome tweeter. Power handling 100 W cont avg; FR 65-20,000 Hz ± 3 dB; sens

S P E A K E R S

89 dB SPL/W/m. Textured black or lacquered oak/cherry finish. 10 x 16 x 8 in. \$489/pr

AV1 Shielded 2-Way Bookshelf Speaker

Ported design with 5½-in woofer and 1-in dome tweeter. Power handling 100 W cont avg; FR 65-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m. Textured black or lacquered oak/cherry finish. 7 x 11 x 8 in. \$379/pr

B-Flat In-Wall Speaker

7-in polypropylene woofer, 1-in dome tweeter. Power handling 70 W cont avg; FR 60-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m. White. 8½ x 12 x 3 in. \$349/pr

AUDIO NOTE

The following are available in a light-oak or black-ash finish.

Model 3/SEC 2-Way Speaker

Ported design with 8-in woofer and 1-in dome tweeter. Features silver wiring and inductors; Black Gate capacitors; pure-silver voice coils. Power handling 200 W; crossover point 2,300 Hz; FR 35-21,000 Hz ± 1.5 dB; sens 95 dB SPL/W/m; imp 6 ohms. 14 x 35 x 11 in; 43 lb \$11,500/pr

Model 3/SE. As above, voice coils are not silver \$8,500/pr

Model 3/SPX. As Model 3/SEC, AN-SPX silver wiring. No silver voice coils or Black Gate capacitors \$2,995/pr

Model 3/SP. As Model 3/SPX, AN-SP silver wiring \$2,395/pr

Model 3/B. As Model 3/SPX, AN-B copper wiring. Sens 94 dB SPL/W/m \$1,895/pr

Model 2/SEC 2-Way Speaker

Ported design with 8-in woofer and 1-in dome tweeter. Features silver wiring and inductors; pure-silver voice coils; Black Gate capacitors. Power handling 150 W; crossover point 2,300 Hz; FR 43-21,000 Hz ± 1.5 dB; sens 94 dB SPL/W/m; imp 6 ohms. 13 x 23 x 10 in; 19 lb \$10,000/pr

Model 2/SE. As above, voice coils are not silver \$7,000/pr

Model 2/SPX. As Model 2/SEC, AN-SPX silver wiring. No silver voice coils or Black Gate capacitors \$2,295/pr

Model 2/SP. As Model 2/SPX, AN-SP silver wiring \$1,795/pr

Model 2/B. As Model 2/SPX, AN-B copper wiring. Sens 93 dB SPL/W/m \$1,395/pr

Model 1/SE 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in woofer and 1-in dome tweeter. Features silver wiring and inductors; pure-silver voice coils; Black Gate capacitors. Power handling 150 W; crossover point 2,300 Hz; FR 65-19,000 Hz ± 1.5 dB; sens 91.5 dB SPL/W/m; imp 8 ohms. 18 x 10 x 8 in; 19 lb \$6,000/pr

Model 1/SPX. As above, AN-SPX silver wiring. No silver voice coils or Black Gate capacitors \$1,695/pr

Model 1/SP. As Model 1/SPX, AN-SP silver wiring \$1,295/pr

Model 1/B. As Model 1/SPX, AN-B copper wiring \$895/pr

AUDIOSOURCE

SW4 Powered Subwoofer

12-In driver. Level control. Crossover point variable from 40-200 Hz; FR 25-200 Hz. Black \$400

SW3.1 Subwoofer/Satellite System

Bass-reflex subwoofer with downward-firing 12-in dual-voice-coil driver; two LS One satellites. Features crossover. Power handling 150 W; crossover point 150 Hz; FR 25-160 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Matte-black finish \$400
Subwoofer only \$250

LS Two/A 2-Way Bookshelf Speaker

Acoustic-suspension design with 5-in polypropylene woofer and 1-in ferrofluid-cooled dome tweeter. Fea-

tures magnetic shielding; weatherproof cast-aluminum enclosure. Power handling 50 W; FR 60-20,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms. Black or white. 5½ x 8½ x 4½ in; 5.5 lb \$249/pr

LS Six 2-Way Indoor/Outdoor Speaker

4-In polypropylene woofer, 1-in soft-dome tweeter. Features double-wound aluminum voice coil; metal enclosure. Includes mounting bracket. White or black \$220/pr

LS One 2-Way Bookshelf Speaker

Acoustic-suspension design with 4-in polypropylene woofer and 1-in ferrofluid-cooled dome tweeter. Features magnetic shielding; cast-aluminum enclosure. Power handling 40 W; crossover point 2,500 Hz; FR 100-20,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms. Black; available with black or white weatherproof metal enclosure. 4½ x 7½ x 4½ in; 5.5 lb \$200/pr

VS Two 2-Way Powered Bookshelf Speaker

Acoustic-suspension design with two 4-in woofers and one 1-in ferrofluid-cooled dome tweeter; 30-W amp. Features magnetic shielding. Line- and speaker-level inputs. Volume control. 30 W x 1 into 8 ohms; crossover point 5,000 Hz; FR 70-20,000 Hz; imp 8 ohms. 5¾ x 13¼ x 5½ in; 7 lb \$160

VS Three 2-Way Speaker

5½-In woofer, 1-in ferrofluid-cooled tweeter. Features magnetic shielding. Black \$140

LS 7.2-Way Bookshelf Speaker

Infinite-baffle design with 4-in woofer and 1-in soft-dome tweeter. Crossover point 2,500 Hz; FR 110-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Black or white. 4½ x 7½ x 4½ in \$130/pr

VS1 2-Way Center-Channel Speaker

Ported enclosure with two 4-in woofers and 1-in ferrofluid-cooled dome tweeter. Features magnetic shielding; wood-composite enclosure. Power handling 50 W; FR 70-20,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. Matte-black finish. 5¾ x 13¼ x 5½ in; 8.8 lb \$119

LS Ten/A 2-Way Surround Speaker

4-in woofer, 1-in tweeter. Features optimal-balance crossover; magnetic shielding. Mounting hook on back \$100/pr

Surround Speaker Systems

See *Signal Processors* section for information on *AudioSource surround-sound processors*.

SS3001. 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. SS Two processor, two LS Ten/A speakers, and cable \$300

SS1001. As above, with SS One processor \$250

VS 1.1. One VS1 center-channel speaker, two LS Ten/A surround speakers, and polarity-coded speaker cable \$200

In-Wall Speakers

The following, except *IW-Four*, are white with a paintable grille.

IW-Three 2-Way In-Wall Speaker

8-in woofer, 1-in soft-dome tweeter. Power handling 100 W; sens 92 dB; imp 8 ohms. Mounting depth 3½ in \$250/pr
Ri-Three. Rough-in mounting kit \$70/pr

IW-Two 2-Way In-Wall Speaker

6½-in polycarbonate woofer, 1-in soft-dome tweeter. Power handling 75 W; sens 90 dB; imp 8 ohms. Mounting depth 3¼ in \$200/pr
Ri-Two. Rough-in mounting kit \$70/pr

IW-Four In-Wall Subwoofer

8-in driver. Features dual voice coils. Power handling 100 W; crossover point 120 Hz; sens 92 dB; imp 8 ohms. Mounting depth 3½ in \$150

IW-One In-Wall Speaker

5¼-in polycarbonate woofer, ½-in polyimide tweeter. Power handling 75 W; sens 90 dB; imp 8 ohms. Mounting depth 3 in \$130/pr
Ri-One. Rough-in mounting kit \$50/pr

AUDIOSTATIC

ES-300-RS Electrostatic Speaker

Features patented mirror-drive interface unit; multiple-suspension electrostatic element; 50-mm-thick MDF frame; computer-grade electronics; polypropylene capacitors. Gold-plated terminals. Power handling 250 W; FR 25-22,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Gloss black-lacquer finish. 16¾ x 75¾ x 2 in; 68.2 lb \$4,800
Satin black finish \$4,400
SW-300. Subwoofer version of ES-300-RS. FR 25-310 Hz. Gloss black-lacquer finish \$4,800
Satin black finish \$4,400

ES-100 Electrostatic Speaker

Features multiple-suspension electrostatic membrane; 35-mm-thick MDF frame; computer-grade electronics; polypropylene capacitors. Gold-plated terminals. Power handling 250 W; FR 35-22,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. Satin black finish. 13¾ x 73¼ x 1½ in; 50.6 lb \$3,000
Light-, dark-, or black-oak finish \$3,300
SW-100. Subwoofer version of above. FR 35-300 Hz. Satin black finish \$3,000
Light-, dark-, or black-oak finish \$3,300
ES-50. As ES-100, FR 45-22,000 Hz. Satin black finish. 54-in height \$2,200
Light-, dark-, or black-oak finish \$2,400

PDSW-2 Powered Subwoofer

100-W amp. Designed for use with ES-50 or ES-100 speakers. Features current-feedback servo-controlled design. FR 25-125 Hz. Satin black finish. 18 x 18 x 18 in \$1,250

PDSW-1. As above. FR 35-125 Hz. 12 x 12 x 12 in \$1,000

AUDIRE

Image 1 Ribbon Speaker

9 elements. Features dipolar radiating configuration; line-source-array driver arrangement. FR 30-20,000 Hz; imp 1.9 ohms. 3-yr warranty. Walnut trim. 36 x 72 x 2½ in. 150 lb \$6,500/pr
Image 2. As above, 6 elements. 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-3a 2-Way Speaker

Two 6½-in cast-frame woofers, 1-in vented cloth-dome tweeter. Features 32-mm 2-layer voice coils; bead mounting. Neoprene faceplate; fiberglass interlining. Power handling 250 W; crossover point 3,000 Hz; FR 47-19,000 Hz ± 2 dB; sens 92 dB SPL/W/m; imp 4 ohms. Black-sand or oak finish. 12 x 19 x 10 in; 22.5 lb \$899/pr

HRM-1a 2-Way Bookshelf 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; crossover point 3,000 Hz; FR 50-18,000 ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. Black-sand or oak finish \$599/pr

MM-5 2-Way Bookshelf Speaker

Vented mirror-image design with 5-in polypropylene woofer, 1-in polyimide dome tweeter. Features vented baffle; acoustic beading; internal acoustic interlining; hand-wired crossover. Gold-plated connectors. Power handling 100 W; crossover point 3,000 Hz; FR 50-18,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Black sand-coat finish. 6 x 9 x 9 in \$249/pr

No matter how good loudspeakers may sound in the lab, in a review column, or in a dealer's showroom – what really matters is how they sound when you get them home.

This is why KEF developed the Uni-Q® Driver... to help reduce the adverse effects of your room's boundaries. Uni-Q works as a point-source of sound, producing a precisely controlled, highly uniform dispersion pattern. This reduces the room reflections that can muddy the sound and destroy the spatial accuracy of the stereo image. The result? Freedom to place the speakers where they fit best, knowing they will also *sound* their best.

Uni-Q's realistic sound, accurate imaging and placement flexibility become especially valuable in home theater and surround sound applications, which require precise localization to effect cinematic realism.



BY PLACING THE TWEETER AT THE CENTER OF THE WOOFER, KEF HAS CREATED THE UNI-Q, A VIRTUAL POINT SOURCE OF SOUND.

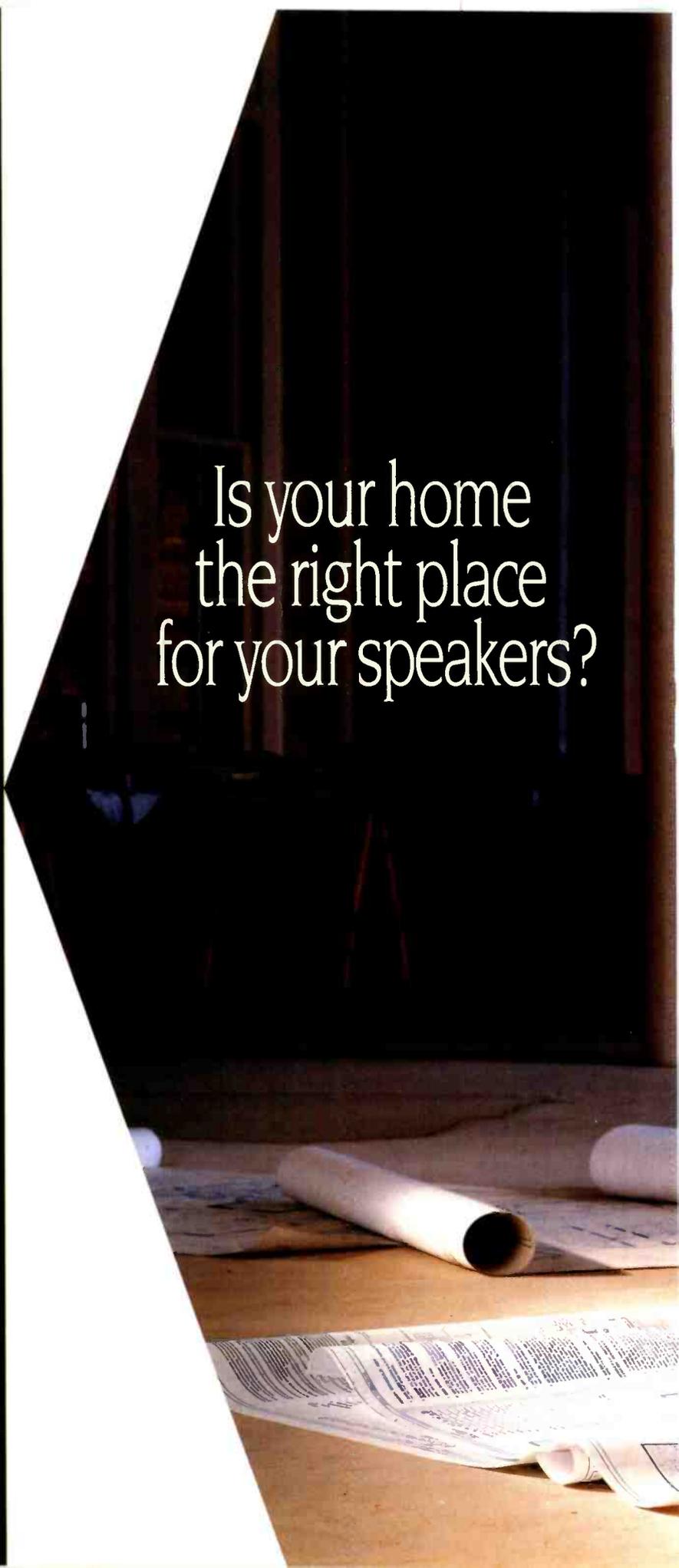
The Uni-Q Driver joins such other KEF scientific advances as the Coupled Cavity Bass system, which delivers deep bass from small enclosures; and Conjugate Load Matching, which makes it less strenuous for your amplifier to drive your speakers. Together, these have earned KEF its international reputation for real-world performance.

For KEF, the world's finest loudspeakers are those that sound the best in your home.



The Science of Loudspeakers

Is your home
the right place
for your speakers?





S P E A K E R S

MS-5 2-Way Bookshelf Speaker

5½-in woofer, ¾-in dome tweeter. Power handling 45 W; FR 55-22,000 Hz; imp 4 ohms. 5½ x 9½ x 6 in. \$189/pr

MS-4 2-Way Bookshelf Speaker

4-in woofer, ¾-in dome tweeter. Power handling 25 W; FR 60-22,000 Hz; imp 4 ohms. \$159/pr

MS-3 2-Way Bookshelf Speaker

3½-in woofer, ¾-in dome tweeter. Power handling 20 W; FR 65-22,000 Hz; imp 4 ohms. \$129/pr

Audiophile Reference Monitors

M-12a. Two 7-in woofer, 1-in tweeter. Power handling 250 W. \$3,695

M-10a. As above, bookshelf model. \$2,995

M-8a. Two 7-in woofers, 1-in tweeter. Power handling 175 W. \$1,995

Powered Speakers

PM-5 2-Way Powered Bookshelf Speaker

Vented design with 5-in polypropylene woofer, 1-in polyimide-dome tweeter; 25 W x 2 amp. Features acoustic beeding; internal acoustic interlining; hand-wired crossover. Gold-plated connectors. Power handling 100 W; crossover point 3,000 Hz; FR 50-18,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Black sand-coat finish. 6 x 9 x 9 in. \$429/pr

PH-5s 2-Way Powered Bookshelf Speaker

5-in woofer, 1-in dome tweeter; 25 W x 2 amp. Magnetic shielding. Power handling 25 W; FR 55-22,000 Hz; imp 4 ohms. 5½ x 9½ x 6 in. \$309/pr

PH-5. As above, no magnetic shielding. \$289/pr

PH-4 2-Way Powered Bookshelf Speaker

4½-in woofer, 1-in dome tweeter; 22 W x 2 amp. Power handling 22 W; FR 60-22,000 Hz; imp 4 ohms. 5½ x 8½ x 5 in. \$249/pr

PH-3s 2-Way Powered Bookshelf Speaker

3½-in woofer, 1-in dome tweeter; 18 W x 2 amp. Features magnetic shielding. Includes mounting bracket. Power handling 18 W; FR 65-22,000 Hz; imp 4 ohms. 4½ x 7½ x 4¾ in. \$219/pr

PH-3. As above, no magnetic shielding. \$199/pr

AVALON ACOUSTICS

The following feature a 5-yr limited warranty.

Ascent 3-Way Speaker

11-in Nomex/Kevlar composite woofer, 2-in aluminum/magnesium-dome midrange, and 1-in titanium-dome tweeter; outboard crossover. Power handling 500 W; FR 28-24,000 Hz; sens 87 dB SPL/W/m; imp 6 ohms. Maple, cherry, or walnut hardwood finish. Crossover 12 x 32 x 12 in; 55 lb. Speaker: 13 x 45 x 18 in; 175 lb. \$16,500/pr

Radlan 3-Way Speaker

Two 9-in Nomex/Kevlar composite woofers, 3½-in Nomex/Kevlar composite midrange, 1-in titanium-dome tweeter. Power handling 500 W; FR 20-24,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Maple, cherry, or walnut hardwood finish. 12 x 48 x 19 in; 170 lb. \$10,500/pr

Eclipse 2-Way Speaker

8½-in Nomex/Kevlar composite woofer, 1-in titanium-dome tweeter. Power handling 300 W; FR 35-24,000 Hz; sens 86 dB. Maple, cherry, or walnut finish. 11 x 39 x 15 in. \$7,600/pr

Avatar 2-Way Speaker

8-in Nomex/Kevlar composite woofer, 1-in titanium-dome tweeter. Power handling 200 W; FR 35-24,000 Hz ± 1.5 dB; sens 85 dB. Cherry hardwood finish. 10 x 34 x 13 in. \$4,350/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 tweeter and midrange cooling. Power handling 150 W cont; crossover points 650 and 5,000 Hz; FR 40-20,000 Hz -3 dB; sens 90 dB SPL/W/m; imp 8 ohms. 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; crossover point 2,500 Hz; FR 43-20,000 Hz -3 dB; sens 89 dB SPL/W/m; imp 8 ohms. 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; crossover point 3,000 Hz; FR 53-20,000 Hz +0, -3 dB; sens 88 dB SPL/W/m; 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; crossover point 3,500 Hz; FR 70-20,000 Hz +0, -3 dB; sens 87 dB SPL/W/m; imp 8 ohms. 8¾ x 14 x 8 in. \$240/pr

AXIOM

AX 5 3-Way Speaker

10-in woofer, 5-in midrange, 1-in dome tweeter. Crossover points 180 and 3,000 Hz; FR 29-22,000 Hz ± 2 dB; sens 87 dB; imp 4 ohms. Dark, natural, or black oak finish. 12 x 38 x 15 in; 50 lb. \$1,699/pr

AX Subwoofer

10-in driver. Features crossover. Crossover point selectable at 120 or 250 Hz; FR 29-120 or 250 Hz ± 3 dB; sens 87 dB; imp 4 ohms. Dark, natural, or black oak finish. 15 x 24 x 12 in; 40 lb. \$1,099/pr

AX 3 3-Way Speaker

8-in woofer, 5-in midrange, 1-in dome tweeter. Crossover points 180 and 3,000 Hz; FR 36-22,000 Hz ± 2 dB; sens 88 dB; imp 4 ohms. Dark, natural, or black oak finish. 10 x 34 x 12 in; 33 lb. \$899/pr

AX 1 2-Way Bookshelf Speaker

Tuned-port design with 5-in woofer and 1-in dome tweeter. Crossover point 3,000 Hz; FR 70-22,000 Hz ± 2 dB; sens 87 dB; imp 4 ohms. Dark, natural, or black oak finish. 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. Crossover point 3,200 Hz; FR 40-22,000 Hz ± 2 dB; sens 89 dB; imp 6 ohms. Dark, natural, or black oak finish. 12 x 24 x 10 in; 25 lb. \$569/pr

AX 1.5 2-Way In-Wall Speaker

6½-in woofer, ¾-in dome tweeter. FR 45-22,000 Hz ± 2 dB; sens 89 dB; imp 6 ohms. \$328/pr

AX 1.5 2-Way Speaker

Tuned-port design with 6½-in woofer and ¾-in dome tweeter. Crossover point 3,500 Hz; FR 45-22,000 Hz ± 2 dB; sens 89 dB; imp 6 ohms. Dark, natural, or black oak finish. 10 x 20 x 8 in; 18 lb. \$299/pr

BAG END

AF1-R 3-Way Speaker

Ported design with 18-in woofer, 12-in midrange, and horn tweeter. Biwire blamp terminals. Power handling 300 W cont; crossover points 125 and 3,300 Hz; FR 40-19,000 Hz ± 3 dB; sens 103 dB SPL/W/m; imp 8 ohms. Black carpeted enclosure with wheels, cover, and handles. 22 x 43 x 18 in; 168 lb. \$3,276/pr

AF1-C. As above, without wheels, cover, or handles. \$2,876/pr

AF1-I. As AF1-C, black painted enclosure. \$2,876/pr

TA15-BF 2-Way Speaker

Ported design with 15-in woofer and horn tweeter. Power handling 200 W cont; crossover point 1,700 Hz; FR 50-19,000 Hz ± 3 dB; sens 103 dB SPL/W/m; imp 8 ohms. Brown birch floor-monitor enclosure. 22 x 27 x 18 in; 86 lb. \$2,276/pr

TA15-B. As above, rectangular enclosure. \$2,276/pr

TA15-I. As TA15-BF, features black painted enclosure. \$1,976/pr

TA15-CF. As TA15-BF, black carpet floor-monitor enclosure. \$1,976/pr

TA15-C. As TA15-CF, features rectangular enclosure. \$1,976/pr

TA12-BF 2-Way Speaker

Ported design with 12-in woofer and horn tweeter. Power handling 200 W cont; crossover point 3,300 Hz; FR 70-19,000 Hz ± 3 dB; sens 103 dB SPL/W/m; imp 8 ohms. Brown birch floor-monitor enclosure. 18 x 23 x 15 in; 55 lb. \$1,676/pr

TA12-B. As above, rectangular enclosure. \$1,676/pr

TA12-I. As TA12-BF, with black-painted enclosure. \$1,476/pr

TA12-O. As TA12-BF, with oak veneer rectangular enclosure. \$1,476/pr

TA12-CF. As TA12-BF, with black carpet floor-monitor enclosure. \$1,476/pr

TA12-C. As TA12-CF, with rectangular enclosure. \$1,476/pr

TA12JR-B 2-Way Bookshelf Speaker

Ported design with 12-in woofer and horn tweeter. Power handling 150 W cont; crossover point 3,300 Hz; FR 75-19,000 Hz ± 3 dB; sens 101 dB SPL/W/m; imp 8 ohms. Brown birch rectangular enclosure. 14 x 21 x 12 in; 40 lb. \$1,256/pr

TA12JR-I. As above, black-painted enclosure. \$1,176/pr

TA12JR-CF. As TA12JR-B, black carpeted floor-monitor enclosure. \$1,176/pr

TA12JR-OF. As TA12JR-B, oak-veneer floor-monitor enclosure. \$1,176/pr

TA12JR-C. As TA12JR-CF, rectangular enclosure. \$1,176/pr

TA12JR-O. As TA12JR-OF, rectangular enclosure. \$1,176/pr

ELF Subwoofers

S18E-O Subwoofer

18-In Kevlar-cone driver. Features 3-in edge-wound copper voice coil; 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. 22 x 22 x 18 in; 65 lb. \$738

S18E-C. As above, features black carpeted cabinet. \$658

S18E-I. As S18E-O, black. \$658

D18E-R. As S18E-O, two 18-in drivers. Includes wheels, cover, and handles. Power handling 800 W with ELF-1; sens 95 dB SPL/W/m; imp 4 ohms. Black carpet enclosure. \$1,568

D18E-I. As D18E-R, black. 22 x 43 x 18 in; 135 lb. \$1,358

S18B-I Subwoofer

18-in driver. Features 3-in edge-wood copper voice coil; 6-lb magnet. Power handling 300 W cont; FR 20-2,000 Hz; sens 98.5 dB SPL/W/m; imp 8 ohms. Black-painted or birch enclosures available. 22 x 29½ x 19¾ in; 86 lb. \$698

D12E-C Subwoofer

Two 12-in Kevlar-cone drivers. Features 2½-in voice coil; 5-lb magnet. Power handling 400 W cont, 600 W with ELF-1. Black carpeted enclosure. 26½ x 14 x 11¾ in. \$658

D12E-I. As above, black painted enclosure. \$658

S15B-I Subwoofer

15-in driver. Features 2½-in edge-wound aluminum voice coil; 5-lb magnet. Power handling 200 W cont; FR 40-4,000 Hz; sens 100 dB SPL/W/m; imp 8 ohms. Black-painted and birch enclosures available. 18 x 27¾ x 24 in; 72 lb. \$588

S P E A K E R S

S10E-C Subwoofer

10-In Kevlar-cone driver. Features 2½-in voice coil; 3-lb, 12-oz magnet. Power handling 200 W, 400 W with ELF-1. Black carpeted enclosure. 12¼ x 14¼ x 11¼ in \$234
S10E-I. As above, black painted enclosure \$234

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 \$15,000/pr

Matrix 801 Series 3-Way Speaker

Vented design with 12-in polymer woofer, 5½-in Kevlar midrange, and 1-in metal-dome tweeter. Features 4th-order Butterworth filters; electronic bass-alignment filter. Power handling 600 W; crossover points 380 and 3,000 Hz; FR 20-20,000 Hz ± 2 dB; sens 87 dB SPL/W/m; imp 8 ohms. Walnut or black-ash finish. 17 x 39¼ x 22 in; 119 lb \$5,500/pr

Matrix 802 Series 2 3-Way Speaker

Vented design with two 8-in polymer woofers, 5-in Kevlar midrange, and 1-in metal-dome tweeter. Features 4th-order Butterworth filters; electronic-bass alignment filter. Power handling 500 W; crossover points 400 and 3,000 Hz; FR 27-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. Walnut or black-ash finish. 11¼ x 41 x 14½ in; 70 lb \$4,000/pr

Matrix 803 Series 2 3-Way Speaker

Vented design with two 6-in Cobex-cone woofers, 6-in Kevlar bass/midrange, and 1-in ferrofluid-cooled metal-dome tweeter. Features bass-alignment filter. Power handling 250 W max; FR 20-22,000 Hz with bass alignment filter, 32-22,000 Hz without; sens 90 dB SPL/W/m. Black-ash or walnut veneer finish. 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. Features 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 finish. 10¼ x 36¾ x 10¾ in; 43 lb \$2,200/pr

Matrix 805 2-Way Bookshelf Speaker

Bass-reflex design with 6½-in Kevlar bass/midrange and 1-in ferrofluid-cooled metal-dome tweeter. Features 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. 10¾ x 16¾ x 8¾ in; 18.7 lb \$1,600/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 midrange subenclosure. Biwire/biamp terminals. Power handling 150 W; crossover points 300 and 3,000 Hz; FR 46-20,000 Hz ± 2 dB; sens 91 dB SPL/W/m; imp 8 ohms. Simulated walnut or black veneer finish. 9¼ x 37¾ x 15½ in; 53 lb \$1,500/pr

DM 630 2-Way Speaker

Bass-reflex design with two 7¼-in woofers and one 1-in metal-dome tweeter. Biwire/biamp terminals. Power handling 150 W; crossover points 400 and 3,000 Hz; FR 53-20,000 Hz ± 2 dB; sens 91 dB SPL/W/m; imp 8 ohms. Simulated walnut or black veneer finish. 9¼ x 33¾ x 15½ 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; crossover point 3,000 Hz; FR 58-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. Walnut or black veneer finish. 9¼ x 29¼ x 11½ in; 31 lb \$800/pr

CWM 8 2-Way In-Wall Speaker

Acoustic-suspension design with 8¼-in polypropylene woofer and 1-in metal-dome tweeter. Features patented overload protection. Power handling 100 W max; FR 35-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 4 ohms. 10¾ x 14¼ x 3¾ in \$600/pr

DM 610 2-Way Speaker

2nd-order design with 8-in woofer and 1-in tweeter. Biwire/biamp terminals. Power handling 150 W; crossover point 2,500 Hz; FR 70-20,000 Hz ± 2 dB. Black veneer finish. Dimensions: 9¼ x 19¼ x 11½ in; weight: 17.1 lb \$500/pr

CWM 6 2-Way In-Wall Speaker

Acoustic-suspension design with 7-in polypropylene woofer and 1-in metal-dome tweeter. Features auto-reset tweeter-overload protection. Power handling 70 W max; FR 45-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. 8 x 12½ x 3 in \$400/pr

DM 600 2-Way Bookshelf Speaker

2nd-order design with 6½-in woofer and 1-in metal-dome tweeter. Biwire/biamp terminals. Power handling 150 W; crossover point 2,500 Hz; FR 80-20,000 Hz ± 2 dB. Zeldia finish. 8 x 13¼ x 11½ in; 9.7 lb \$350/pr

CWM 5 2-Way In-Wall Speaker

Acoustic-suspension design with 5-in polypropylene woofer and 1-in metal-dome tweeter. Power handling 70 W max; FR 75-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. 6¼ x 9 x 2½ in \$300/pr

V202 2-Way Speaker

Bass-reflex design with 7¼-in woofer and 1-in tweeter. Power handling 120 W; FR 48-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms. Simulated black-ash or walnut veneer. 9½ x 19½ x 8¾ in; 12.5 lb \$300/pr

V201. As above, 6½-in woofer. Power handling 100 W; FR 66-20,000 Hz ± 3 dB. 8¼ x 14 x 7½ in; 9 lb \$200/pr

2000 Series

The following feature 4th-order vented enclosures, magnetic shielding, and a black-ash vinyl finish. Tweeters feature magnetic-fluid cooling. Woofers are acrylic-damped fiber cones with rubber surrounds.

Model 2004 2-Way Speaker

Two 6½-in woofers, 1-in polyester-dome tweeter. Power handling 120 W; crossover points 400 and 3,000 Hz; FR 65-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 4 ohms. 8¼ x 25½ x 9¾ in \$599/pr

Model 2003 2-Way Bookshelf Speaker

6½-in woofer, 1-in damped-diaphragm dome tweeter. Power handling 100 W; crossover point 3,000 Hz; FR 70-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 4 ohms. 8¼ x 16¾ x 9¾ in \$449/pr

Model 2002 2-Way Bookshelf Speaker

5-in woofer and 1¼-in alloy-dome tweeter. Power handling 80 W; crossover point 3,000 Hz; FR 74-20,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 4 ohms. 7½ x 13½ x 8 in \$299/pr

Model 2001 2-Way Bookshelf Speaker

5-in woofer and 1¼-in alloy-dome tweeter. Power handling 80 W; crossover point 3,000 Hz; FR 85-20,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 4 ohms. 7½ x 11¼ x 8 in \$199/pr

BANG & OLUFSEN

Beolab Penta III 3-Way Powered Speaker

5-sided bass reflex enclosure with four 5-in woofers, four 3-in midranges, one 1-in dome tweeter, and 150-W amp. Dynamic clipping attenuator. 3-position bass-level switch; auto turn on/off with Beosystems; source, volume, recording-status, and overload displays. Power handling 150 W rms; crossover points 700 and 5,000 Hz; FR 40-20,000 Hz ± 4, -8 dB;



Bang & Olufsen
RL 6000

sens 92 dB SPL/W/m; imp 8 ohms. Brushed stainless-steel finish. 5 x 65 x 5¾ in \$3,800/pr

Beolab 8000 3-Way Powered Speaker

Bass reflex design with two 4-in woofers, one ¾-in ferrofluid-cooled tweeter, and two integral 80 W x 2 amps. Features cone-tipped tubular-aluminum cabinet; active crossover with 24-dB/oct Linkwitz-Riley filter at 4,200 Hz for upper woofer and 6-dB/oct filter at 300 Hz for lower woofer; magnetic shielding; cast-iron base. Power Link socket; line-level input. Includes rubber supports and spikes for base. FR 50-20,000 Hz ± 2 dB. Polished and anodized mirror-finished surface. 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 amp. Designed for wall hanging. Auto bass-level switching; auto turn on/off with Beolink systems; source, volume, and recording-status displays. Power handling 60 W rms; crossover point 3,500 Hz; FR 60-20,000 Hz ± 4, -8 dB; sens 89 dB SPL/W/m; imp 8 ohms. Brushed stainless-steel finish. 17¾ x 39¼ x 3 in \$2,100/pr

Beolab 6000 2-Way Powered Speaker

Bi-amplified bass-reflex design with two 3½-in woofers molded into baffle in center of cabinet and ¾-in neodymium tweeter. Features oval columnar cabinet made of polished and anodized scratch-resistant concave one-piece ½-in-thick aluminum extrusion; proprietary Adaptive Bass Linearization circuitry for dynamic volume-dependent bass optimization; 24-dB/oct Linkwitz-Riley active crossover; 30-dB/oct filter at 70-Hz resonance frequency; dome-shaped acoustic port; magnetic driver shielding. Line- and speaker-level inputs; Power Link bus connectors. Crossover point 3,000 Hz; FR 90-20,000 Hz ± 2 dB. 4 x 43 x 3¾ in; 14 lb \$2,000/pr

IWS 2000 In-Wall Speaker

Infinite-baffle design with 5¼-in woofer and 1-in polycarbonate-dome tweeter. 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; crossover point 2,500 Hz; FR 50-20,000 Hz ± 3, -8 dB; sens 89 dB SPL/W/m. 14½ x 8 x 3¼ in; 5.2 lb \$500/pr With paintable grille and transceiver/relay box installed \$650/pr
IWS 1000. As above, FR 55-20,000 Hz ± 3, -8 dB. 11¼ x 8 x 3¼ in; 5 lb \$400/pr

Beovox CX100 2-Way Bookshelf Speaker

Pressure-chamber design with two 4-in woofers and

The laws of physics dictate that deep bass can only be produced by larger loudspeakers or by inefficient, smaller designs. While the laws of physics can't be broken, they can be bent a little.

KEF's loudspeaker science has developed the Coupled Cavity Bass system, which combines the deep bass extension of sealed enclosures with the high efficiency of ported designs. The result? Speakers capable of full concert volume with deep, tight bass and crisp transients... without requiring excess power or space.

Realistic deep bass and audio/video compatible magnetic shielding make KEF Reference loudspeakers ideal for home theater applications.

The Coupled Cavity Bass System, joins such other KEF

scientific advances as the Uni-Q[®] Driver, which helps eliminate the adverse effects of room acoustics; and Conjugate Load Matching, which makes it less strenuous for your amplifier to drive your speakers. Together, these advances have earned KEF its international reputation for real-world performance.

For KEF, the world's finest speakers are those that sound best in your home.

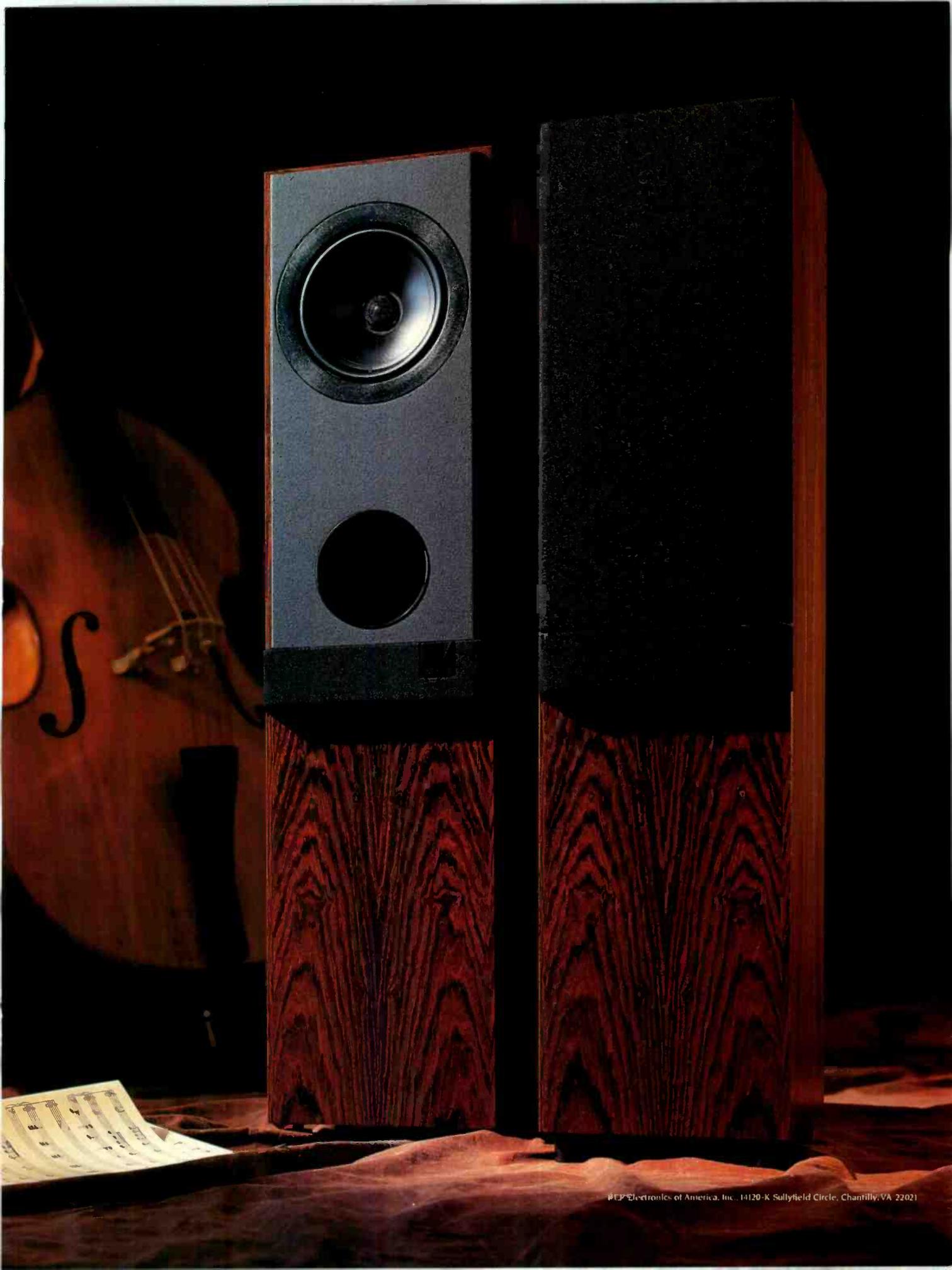


THE KEF COUPLED CAVITY BASS SYSTEM COMBINES DEEP BASS WITH HIGH EFFICIENCY.



The Science of Loudspeakers™

Can you get deep, accurate bass from small loudspeakers?



S P E A K E R S

one 1-in dome tweeter. Power handling 100 W rms; crossover point 2,500 Hz; FR 50-20,000 Hz +4, -8 dB; sens 89 dB SPL/W/m; imp 6 ohms. 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; FR 80-20,000 Hz +4, -8 dB. 4 3/4 x 8 x 8 in; 7.7 lb \$350/pr

RL Series

The following feature a curved enclosure and are available in high-gloss black or white.

RL 7000 3-Way Speaker

Bass-reflex design with two 6 1/2-in woofers, one 5-in midrange, and one 1-in dome tweeter. Power handling 140 W rms; crossover points 800 and 3,000 Hz; FR 40-20,000 Hz +4, -8 dB; sens 93 dB SPL/W/m; imp 8 ohms. 28 x 20 x 9 1/2 in; 33 lb \$1,000/pr

RL 6000 2-Way Speaker

Bass-reflex design with two 5-in woofers and one 1-in dome tweeter. Power handling 60 W rms; crossover point 3,500 Hz; FR 45-20,000 Hz +4, -8 dB; sens 93 dB SPL/W/m; imp 8 ohms. 21 1/4 x 16 x 7 in; 19.6 lb \$600/pr

RL 1000 2-Way Bookshelf Speaker

Bass-reflex design with 5-in woofer and 1 3/4-in tweeter. Power handling 35 W rms; crossover point 3,500 Hz; FR 48-20,000 Hz +4, -8 dB; sens 92 dB SPL/W/m; imp 8 ohms. 15 3/4 x 12 1/2 x 5 in; 7.8 lb \$400/pr

BGW SYSTEMS

Model 2200 Powered Subwoofer

4 McCauley 15-in drivers; BGW GTA 1,000-W/ch amp. Features joint development with McCauley Sound; edge-wound voice-coil assemblies; 24-dB/oct low-pass filter; two servo-controlled cooling fans; anti-clipping circuitry. XLR and barrier-strip inputs. Variable Input sens; remote turn-on. Power handling 600 W/driver; crossover point selectable at 63, 80, 100, 125, 160, 200, 250, 315, 400, or 500 Hz; imp 4 ohms/driver. 42 3/4 x 33 3/4 x 31 in \$4,279

BIC AMERICA

Venturi Realta 3-Way Speaker

Mirror-image-pair design with two 10-in poly laminate woofers, two 5 1/4-in poly laminate midranges, and 1-in titanium-dome tweeter. 5-way gold binding posts. Includes floor spikes. 12 x 53 1/2 x 15 in \$1,199/pr

Venturi V830 3-Way Speaker

Vented design with 8-in carbon/polypropylene woofer, 6-in cast-frame polycarbonate midrange, and 1-in poly laminate soft-dome tweeter. Features horizontal cross-bracing. 5-way gold-plated binding posts. Power handling 250 W; crossover points 1,000 and 5,000 Hz; FR 38-22,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Oak finish. 5-yr warranty. 10 1/4 x 40 x 11 1/2 in; 45 lb \$799/pr

Venturi V12 Powered Subwoofer

Vented design with 12-in long-throw driver; 100 W x 1 outboard amp. Features vented pole piece; crossover at 85 Hz. Speaker- and line-level inputs and outputs. 16 1/2 x 21 x 19 1/4 in \$600
 Above without amp \$329

Venturi V630 3-Way Speaker

Vented design with 6-in woofer, 6-in polycarbon midrange, and 1-in poly laminate soft-dome tweeter. Features horizontal cross-bracing. 5-way gold-plated binding posts. Power handling 150 W; crossover points 800 and 3,000 Hz; FR 45-22,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Oak finish. 5-yr warranty. 9 x 34 1/4 x 11 1/8 in; 37 lb \$599/pr

Venturi V820 2-Way Speaker

Vented design with 8-in woofer and 1-in poly laminate soft-dome tweeter. Horizontal cross-bracing. 5-way gold-plated binding posts. Power handling 150 W; crossover point 2,500 Hz; FR 40-22,000 Hz ±3 dB;

sens 91 dB SPL/W/m; imp 8 ohms. Oak finish. 5-yr warranty. 10 1/4 x 26 3/4 x 11 1/2 in \$439/pr

Venturi V620 2-Way Speaker

Vented design with 6-in woofer and 3/4-in poly laminate soft-dome tweeter. Horizontal cross-bracing. 5-way gold-plated binding posts. Power handling 120 W; crossover point 3,000 Hz; FR 49-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Oak finish. 5-yr warranty. 9 x 22 3/4 x 11 1/8 in \$329/pr

Muro M8 2-Way In-Wall Speaker

8-in woofer, 1-in soft-dome tweeter. Power handling 100 W; FR 40-22,000 Hz; sens 90 dB \$279/pr

Muro M6 2-Way In-Wall Speaker

Vented design with 6 1/2-in polycarbonate cone woofer and 1-in soft-dome tweeter. Features horizontal cross-bracing. 5-way gold-plated binding posts. FR 50-20,000 Hz. Oak finish. 5-yr warranty. 8 5/8 x 12 x 3 1/2 in \$229/pr

Venturi 62 2-Way Bookshelf Speaker

Vented design with 6-in woofer and 3/4-in poly laminate tweeter. Features horizontal cross-bracing. 5-way gold-plated binding posts. Power handling 100 W; crossover point 4,000 Hz; FR 50-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Oak finish. 5-yr warranty. 8 7/8 x 14 1/4 x 9 1/8 in; 14 lb \$219/pr

Muro M5 2-Way In-Wall Speaker

Vented design with 5 1/4-in polycarbonate cone woofer and 1/2-in soft-dome tweeter. Features horizontal cross-bracing. 5-way gold-plated binding posts. FR 50-20,000 Hz. Oak finish. 5-yr warranty. 7 1/2 x 11 x 3 3/8 in \$169/pr

Venturi V52 Plus 2-Way Center-Channel Speaker

Vented design with two 5 1/4-in polymer-coated long-throw woofers and one 1/2-in ferrofluid-cooled poly-mide-dome tweeter. Features magnetic shielding. 18 x 6 1/2 x 10 1/2 in \$159

Venturi V52 2-Way Bookshelf Speaker

Vented design with 5 1/4-in woofer and 1/2-in poly-mide-dome tweeter. Features horizontal cross-bracing. 5-way gold-plated binding posts. Power handling 75 W; crossover point 5,000 Hz; FR 60-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Oak finish. 5-yr warranty. 7 x 11 1/4 x 7 in \$149/pr

BLUES

The following are available in black and oak wood-grain finishes.

BCS 882 2-Way Speaker

Vented design with two 8-in woofers and one 1-in soft-dome tweeter. Power handling 200 W max; crossover point 3,000 Hz; sens 89.4 dB; imp 8 ohms. 11 1/2 x 40 1/2 x 10 1/2 in; 90 lb \$570/pr

BCS Trisobaric 10 Subwoofer

Two 8-in drivers mounted internally and one 10-in driver mounted externally. Features passive crossover. Power handling 300 W max; crossover point 150 Hz; sens 87.5 dB; imp 8 ohms. 22 x 12 x 17 1/2 in; 47 lb \$550

BCS 662 2-Way Speaker

Vented design with two 6 1/2-in woofers and one 1-in soft-dome tweeter. Power handling 200 W max; crossover point 3,000 Hz; sens 90 dB; imp 8 ohms. 10 x 36 7/8 x 10 1/8 in; 76 lb \$460/pr

BCS 82 2-Way Speaker

Vented design with 8-in woofer and 1-in soft-dome tweeter. Power handling 100 W max; crossover point 3,000 Hz; sens 89.4 dB; imp 8 ohms. 11 1/2 x 21 x 10 1/4 in; 48 lb \$350/pr

BCS 62 2-Way Bookshelf Speaker

Vented design with 6 1/2-in woofer and 1-in soft-dome tweeter. Power handling 100 W max; crossover point 3,000 Hz; sens 90 dB; imp 8 ohms. 10 x 17 1/4 x 10 1/8 in; 40 lb \$300/pr

BCS 52 2-Way Bookshelf Speaker

5 1/4-in woofer and 1-in soft-dome tweeter. Power handling 100 watts maximum; crossover point 3,000 hertz; sensitivity 90 dB; impedance 8 ohms. 8 1/2 x 13 1/4 x 5 7/8 inches; 22 lb \$225/pr

BOSE

Lifestyle Powered Speaker

4 1/2-in driver; integral amp. Features helical driver voice coil; active EQ; overload protection circuitry. Volume control. White. 9 x 6 x 6 in \$339

Free-Style Bookshelf Speaker

Curved flared-port design with 4 1/2-in full-range driver. Power handling 60 W max. Black, red, or white enclosure. 5 1/2 x 9 1/2 x 6 in \$339/pr

Model 151 Indoor/Outdoor Speaker

4 1/2-in full-range Kevlar-composite-cone driver. Features weatherproof stainless-steel housing and hardware; weather-resistant components; silicone-coated surround. Power handling 80 W max; imp 4-8 ohms. Black or white. Limited transferable 5-yr warranty. 6 x 9 x 6 in; 4 lb \$299/pr

Model 100 Bookshelf Speaker

4 1/2-in full-range driver. Sculpted design. Power handling 80 W max; imp 4-8 ohms. Black or white. Limited transferable 5-yr warranty. 6 x 11 x 6 in; 4 lb \$199/pr

VS-100 Bookshelf Speaker

Dual-tuned-port design with 4 1/2-in full-range driver. Designed for rear or center channel in a home theater system. Features magnetic shielding. Mounting accessories optional. Power handling 60 W max; imp 8 ohms. Black. 9 x 6 x 6 in; 6 lb \$125

01 Series

Except for Model 101, the following feature Bose's patented Direct/Reflecting design.

Model 901 Series VI Speaker

2 speakers, each with 8 front-facing and 1 rear-facing 4 1/2-in full-range drivers; outboard active EQ. Features pentagonal cabinet; helical voice coils. Mid-bass, midtreble, and tape-monitor EQ controls. Power handling 450 W max; imp 8 ohms. Genuine hardwood veneer with walnut finish. 5-yr warranty. EQ: 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. Features patented Free Space array driver configuration; woofer protection circuitry. Power handling 200 W max; imp 8 ohms. Genuine hardwood veneer with walnut finish. 5-yr warranty. 12 1/4 x 30 x 12 1/2 in; 45 lb \$999/pr

Model 501 Series IV 2-Way Speaker

One 10-in woofer and two 3-in tweeters. Features patented Free Space array driver configuration; protection circuitry. Power handling 125 W rms; crossover points 1,500 and 2,500 Hz; imp 8 ohms. 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 one 2-in liquid-cooled tweeter. Features patented Free Space array driver configuration; pentagonal cabinet; over-drive protection circuitry. Power handling 200 W max; crossover point 2,200 Hz; imp 4 ohms. 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 one 8-in woofer and two 3-in tweeters. Features patented Free Space array driver configuration; dual-frequency crossover. Power handling 150 W rms; imp 8 ohms. Black, white, or walnut-grain finish. 5-yr warranty. 10 1/2 x 17 x 9 1/2 in; 18.5 lb \$369/pr

S P E A K E R S

Model 201 Series II 2-Way Bookshelf Speaker

Slotted-port design with one 6-in woofer and one 2¼-in ferrofluid-cooled tweeter. Features patented Free Space array driver configuration; dispersion lens; dual-frequency crossover. Power handling 120 W max; imp 8 ohms. Black, white, or wood-grain veneer finish. 5-yr warranty. 7¾ x 14½ x 9 in. \$229/pr

Model 101 Outdoor Speaker

Ported design with 4½-in full-range driver. Features weather-resistant polystyrene/copolymer cabinet. C-clamp and flush mounting brackets optional. Power handling 60 W rms; imp 4 ohms. Black. 5-yr warranty. 6 x 9 x 5 in; 4 lb \$219/pr
Above for indoor use. White \$219/pr

Point Two Series

The following feature Bose's patented Direct/Reflecting design.

Model 10.2 3-Way Speaker

3-chamber dual-port design with 8-in woofer mounted on internal baffle, 8-in midrange, and two 2-in fluid-cooled angled tweeters. Features tweeter-protection circuitry. Power handling 360 watts maximum; sensitivity 88 decibels; impedance 8 ohms. Hardwood-veneer finish. 5-yr warranty. 11¼ x 38¾ x 11¼ in; 46 lb \$1,299/pr

Model 6.2 2-Way Bookshelf Speaker

Dual-chamber ported design with one 8-in woofer and two 3-in axially mounted tweeters. Features crossover; overdrive protection circuitry. Speaker stands optional. Power handling 200 W max; imp 4 ohms. Hardwood-veneer finish. 5-yr warranty. 10 x 20 x 9½ in; 19.5 lb \$599/pr

Model 4.2 Series II 2-Way Bookshelf Speaker

Slotted-port design with one 8-in woofer and two angled 3-in tweeters. Features dual-frequency crossover. Power handling 150 W max; imp 8 ohms. Black or woodgrain veneer finish. 5-yr warranty. 17 x 10½ x 9½ in; 18 lb \$369/pr

Model 2.2 Series II 2-Way Bookshelf Speaker

Slotted-port design with 6-in woofer and 2¼-in tweeter. Features dual-frequency crossover. Power handling 120 W max; imp 8 ohms. Black or woodgrain veneer finish. 5-yr warranty. 14½ x 9¾ x 9 in; 9 lb \$229/pr

Acoustimass Series

Acoustimass 7 Subwoofer/Satellite System

Acoustimass subwoofer with two 5¼-in drivers; 3 satellites, each with one 2½-in driver in each of 2 attached swiveling cubes. Designed for home theater systems. Features double-cube Direct/Reflecting satellite design; magnetic satellite shielding; protection circuitry. Stands and mounting brackets optional. Power handling 100 W max; imp 8 ohms. Black. 5-yr warranty. Subwoofer: 19 x 14 x 7½ in. Satellites: 3½ x 6¾ x 4¾ in \$999

Acoustimass 5 Series II Sub/Sat System

Acoustimass subwoofer with two 5¼-in drivers; 2 satellites, each with one 2½-in driver in each of 2 attached swiveling cubes. Features double-cube Direct/Reflecting satellite design; magnetic satellite shielding; protection circuitry. Stands and mounting brackets optional. Power handling 100 W cont avg. Black or white. 5-yr warranty. Subwoofer: 14 x 7½ x 19 in. Satellites: 3½ x 6¾ x 4¾ in \$799

Acoustimass 3 Powered Sub/Sat System

Acoustimass subwoofer with 5¼-in driver; two satellites, each with two 2½-in drivers; 50-W subwoofer amp; two 20-W satellite amps. Features magnetic satellite shielding; subwoofer tone and volume controls. Stands and mounting brackets optional. 5-yr warranty. Black or white. Subwoofer: 18½ x 7¾ x 8½ in. Satellites: 4½ x 4½ x 3½ in \$799

Acoustimass 3 Series II. Above without amplifiers. Features protection circuitry. Power handling 50 W cont avg \$469

Acoustimass 4 Subwoofer/Satellite System

Acoustimass subwoofer with one 5¼-in driver; 3 satellite speakers, each with one 2½-in driver. Designed for home theater systems. Magnetic satellite shielding; protection circuitry. Wall/ceiling brackets and table/floor stands optional. Power handling 100 W max; imp 4-8 ohms. Black. 5-yr warranty. Subwoofer: 8 x 14 x 8 in. Satellites: 3 x 3 x 5 in \$599

RoomMate Series

The following feature a 1-yr transferable warranty.

RoomMate II Powered Mini Speaker

Aerodynamically tuned-port design with 4½-in full-range driver; integral amp. Designed for personal stereos and portable CD players. Features helical voice coil; AC/DC operation; 2-stage active EQ; distortion-limiting circuitry. Black. 1-yr warranty. 9½ x 6½ x 6½ in; 4 lb \$339/pr

PC-1 Power Case. For above. Includes rechargeable battery, charger, travel bag, and car adaptor. Up to 12-hr playing time at full volume \$219

TB-II. Travel bag with acoustically transparent sound panels \$100

MMA-4. Mounting arms \$60/pr

WB-10. Wall brackets \$25/pr

Video RoomMate Powered Speaker

Dual-tuned-port design with 4½-in full-range driver; built-in amp. Designed for use with VCR, TV, or videodisc player. Features magnetic shielding; helical voice coil; active EQ; distortion-limiting circuitry. Volume control. Mounting accessories and adaptors optional. Gray and charcoal finish. 6 x 9 x 6 in; 5 lb \$339/pr

RoomMate Computer Speaker. As above, designed for use with computers, electronic keyboards, VCRs, videodisc players, portable CD players, and personal stereos. Includes mono adaptor. Mounting accessories optional. Platinum finish \$339/pr

BOSTON ACOUSTICS

SubSat 7 Subwoofer/Satellite System

Subwoofer with two 7-in drivers in sealed and vented chambers; 2 satellites, each with 4-in midrange and 1-in ferrofluid-cooled tweeter. Power handling 150 W; sens 89 dB SPL/W/m; imp 8 ohms. Black or white. Subwoofer: 15 x 19½ x 9 in. Satellite: 8½ x 5 x 5¼ in \$750

SW-10 Powered Subwoofer

10-in driver in compact vented enclosure; 100-W amp. Features 24-dB/oct active crossover. Auto on/off. Crossover point 95 Hz. Black-ash vinyl finish. 19½ x 11 x 16¼ in \$600

SubSat 6 Series II Subwoofer/Satellite System

Subwoofer with two 6½-in drivers in sealed and vented chambers; 2 satellites, each with 4-in midrange and ¾-in ferrofluid-cooled tweeter. Power handling 100 W; sens 89 dB SPL/W/m; imp 8 ohms. Black or white. Subwoofer: 16 x 7½ x 15 in. Satellite: 8½ x 5 x 5¼ in \$500

SurroundSat 6 2-Way Surround Speaker

4-in midrange and ¾-in dome tweeter. Mounting brackets optional. Power handling 100 W; sens 89 dB SPL/W/m; imp 8 ohms. Black or white. 8½ x 5 x 5¼ in \$200/pr

Lynnfield Series

Drivers in the following products feature patented Amplitude Modification Devices to eliminate the metallic ringing of metal cones.

Model 500L 3-Way Speaker

2-piece design comprised of band-pass enclosure with two 6½-in woofers and cast-aluminum enclosure with anodized-aluminum 5¼-in midrange and 1-in aluminum-dome tweeter. Triwire/triamp inputs. Power handling 350 W; FR 32-35,000 Hz ± 3 dB; sens 85 dB SPL/W/m; imp 5 ohms. Rosewood finish. 9 x 48 x 18¼ in \$5,000/pr
Black-ash finish \$4,500/pr

Model 300L 2-Way Speaker

5¼-in anodized-aluminum woofer, 1-in aluminum-dome tweeter. Features cast-aluminum chassis. Biwire/blamp inputs. Cast-aluminum stand optional. Power handling 250 W; FR 50-35,000 Hz ± 3 dB; sens 83 dB SPL/W/m; imp 8 ohms. Rosewood finish. 9 x 11 x 13½ in \$2,000/pr
Black-ash finish \$1,800/pr

Tower Series

T1030 3-Way Speaker

Acoustic-suspension design with two 8-in copolymer woofers, 6½-in copolymer midrange in subenclosure, and 1-in ferrofluid-cooled tweeter. Power handling 150 W rms; crossover points 250 and 2,500 Hz; FR 40-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Walnut veneer finish. 10¼ x 42½ x 12¼ in \$1,200/pr
Black vinyl finish \$1,000/pr

T930 Series II 3-Way Speaker

Acoustic-suspension design with 10-in copolymer woofer, 6½-in copolymer-cone midrange in subenclosure, and 1-in dome tweeter. Power handling 150 W; crossover points 350 and 2,500 Hz; FR 42-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Woodgrain vinyl and black-ash finish. 10½ x 36¾ x 12 in \$750/pr

T830 3-Way Speaker

Acoustic-suspension design with 8-in copolymer-cone woofer, 3½-in copolymer-cone midrange, and 1-in dome tweeter. Power handling 100 W rms; crossover points 800 and 4,000 Hz; FR 45-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 8 ohms. Woodgrain vinyl and black-ash finishes. 10 x 32½ x 9¾ in \$550/pr

Home THX Series

The following products feature THX certification and are designed to be used together in a home theater system. Three Model 555x's, two Model 575x's, and two 595x's can be purchased as a system for \$2,400.

Model 595x Subwoofer

12-in long-throw driver. Designed to extend THX-system's response down to 20 Hz. Power handling 250 W. FR 20-80 Hz ± 3 dB; sens 85 dB SPL/W/m; imp 8 ohms. Black or white. 18½ x 17¾ x 18½ in \$500

Model 555x 2-Way Speaker

Two 5¼-in copolymer woofers, two 1-in ferrofluid-cooled dome tweeters. Designed for left, center, or right channel in home theater system. Features magnetic shielding. Power handling 150 W; FR 80-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Black or white. 11¼ x 18¼ x 7¾ in \$300

Model 575x 2-Way Surround Speaker

Dipole design with one 5¼-in copolymer woofer and two side-mounted 2½-in midrange tweeters. Power handling 150 W; FR 125-20,000 Hz ± 3 dB; sens 85 dB SPL/W/m. 7¾ x 11¼ x 4¾ in \$250

Designer In-Wall Speaker Series

The following are designed for flush mounting in walls or ceilings and feature water resistance and a paintable matte-white finish. Each includes mounting hardware; brackets available for new construction.

Model 380 2-Way In-Wall Speaker

8-in copolymer woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 75 W rms; FR 48-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. 9½ x 12½ x 3¼ in \$500/pr

Model 360 Series II 2-Way In-Wall Speaker

6½-in copolymer-cone woofer, 1-in ferrofluid-cooled soft-dome tweeter. Suitable for marine applications. Features galvanized-steel grille with heat-cured epoxy paint. Gold-plated 5-way binding posts. Includes retrofit mounting bracket. Power handling 60 W rms;

You need three front speakers - left, right and center - to achieve realistic home theater, because a stereo pair would place the dialog in the center (where it belongs) from only one listening position. You can't use conventional hi-fi speakers for the center channel, even shielded models, because their dispersion patterns prohibit raising them too high or laying them on their sides.

KEF's proprietary Uni-Q[®] driver, which places its tweeter at the center of the woofer, allowed KEF's engineers to create the ideal center channel speakers, the Models 100 and 90. Their uniform dispersion patterns let them be placed beautifully above or below the screen, creating the impression that the sound is coming *directly* from the screen.

Moreover, the Models 100 and 90 are both Reference Series, which not only



UNI-Q DRIVER TECHNOLOGY
LETS EVERYONE BE
IN THE "SWEET SPOT."

ensures their quality and consistency; it permits their use as satellites (front or rear/with or without a subwoofer) and their seamless integration with other KEF Reference and Q-Series loudspeakers.

The Uni-Q driver. One of a series of KEF scientific achievements dedicated to one goal: the most realistic performance in your home.



The Science of Loudspeakers™



Why won't
conventional hi-fi speakers
work for Home Theater?



S P E A K E R S

FR 58-20,000 Hz \pm 2 dB; sens 90 dB; imp 8 ohms.
7 $\frac{1}{4}$ x 10 $\frac{1}{2}$ x 2 $\frac{1}{8}$ in \$400

PowerVent 300 In-Wall Subwoofer

Two 6 $\frac{1}{2}$ -in drivers in vented/sealed-chamber enclosure. Designed for mounting to floor or ceiling joists. Power handling 100 W; crossover point 140 Hz; sens 89 dB W/m; imp 8 ohms stereo, 4 ohms mono. 7 $\frac{1}{4}$ x 13 $\frac{1}{2}$ x 24 in \$400

Model 350 2-Way In-Wall Speaker

5 $\frac{1}{4}$ -in copolymer woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 50 W rms; FR 68-20,000 Hz \pm 2 dB; imp 4 ohms. 9 $\frac{1}{2}$ x 6 $\frac{3}{4}$ x 2 $\frac{1}{2}$ in \$300/pr

Model 325 2-Way In-Wall Speaker

5 $\frac{1}{4}$ -in woofer, 3 $\frac{1}{4}$ -in cone tweeter. Power handling 25 W rms; sens 90 dB SPL/W/m; imp 8 ohms. Matte-white finish \$200/pr

Model 305 In-Wall Speaker

5 $\frac{1}{4}$ -in dual-cone driver. Power handling 50 W rms; FR 70-16,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Matte-white finish. Mounting depth 2 $\frac{1}{8}$ in \$130/pr

HD Series

The following are available in black-ash or wood-grain vinyl.

HD10 2-Way Speaker

6 $\frac{1}{2}$ -in copolymer woofer, 1-in ferrofluid-cooled soft-dome tweeter, 10-in copolymer passive radiator. Features structural ribbing to reduce metallic vibrations. Power handling 150 W; crossover point 2,500 Hz; FR 40-20,000 Hz \pm 3 dB; sens 90 dB W/m; imp 8 ohms. 12 $\frac{1}{2}$ x 24 $\frac{1}{4}$ x 9 $\frac{3}{4}$ in; 26.5 lb \$440/pr

HD9 2-Way Speaker

6 $\frac{1}{2}$ -in copolymer woofer, 1-in ferrofluid-cooled soft-dome tweeter, 8-in passive radiator. Power handling 100 W; crossover point 2,800 Hz; FR 48-20,000 Hz \pm 3 dB; sens 90 dB W/m; imp 8 ohms. 11 $\frac{1}{4}$ x 21 x 8 $\frac{1}{4}$ in; 18 lb \$340/pr

HD8 2-Way Speaker

8-in copolymer woofer, 1-in ferrofluid-cooled soft-dome tweeter. Power handling 75 W; crossover point 3,000 Hz; frequency response 52-20,000 Hz \pm 3 dB; sensitivity 90 dB W/m; impedance 8 ohms. Dimensions: 11 $\frac{1}{4}$ x 18 $\frac{1}{4}$ x 7 $\frac{1}{2}$ in; 16 lb \$250/pr

HD7 2-Way Bookshelf Speaker

7-in copolymer woofer, 3 $\frac{1}{4}$ -in ferrofluid-cooled dome tweeter. Power handling 75 W; FR 52-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 9 x 14 x 7 $\frac{1}{4}$ in \$200/pr

HD5. As above, 5 $\frac{1}{4}$ -in woofer. Power handling 50 W; FR 65-20,000 Hz; sens 89 dB SPL/W/m. 6 $\frac{1}{4}$ x 9 $\frac{3}{4}$ x 7 $\frac{1}{4}$ in \$150/pr

Indoor/Outdoor Series

Voyager 2-Way Outdoor Speaker

5 $\frac{1}{4}$ -in copolymer woofer, 1-in ferrofluid-cooled soft-dome tweeter. Features Lexan cabinet; stainless-steel grilles and mounting brackets. Power handling 50 W; crossover point 3,000 Hz; FR 65-20,000 Hz \pm 3 dB; sens 89 dB W/m; imp 8 ohms. Paintable white finish. 10 $\frac{1}{2}$ x 6 $\frac{1}{2}$ x 6 $\frac{3}{4}$ in; 6 lb \$400/pr

RunAbout II 2-Way Outdoor Speaker

4 $\frac{1}{2}$ -in copolymer woofer, 3 $\frac{1}{4}$ -in soft-dome tweeter. Features polypropylene cabinet. FR 90-20,000 Hz \pm 3 dB; crossover point 3,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. 8 $\frac{3}{4}$ x 5 $\frac{7}{8}$ x 6 $\frac{1}{8}$ in; 6 lb \$250/pr

RunAbout I Outdoor Speaker

4 $\frac{1}{2}$ -in full-range copolymer driver. Features polypropylene cabinet. FR 100-17,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. 8 $\frac{3}{4}$ x 5 $\frac{7}{8}$ x 6 $\frac{1}{8}$ in; 6 lb \$180/pr

Center Channel Series

The following feature magnetic shielding.

Model 525v 2-Way Center-Channel Speaker

5 $\frac{1}{4}$ -in copolymer woofer, 3 $\frac{1}{4}$ -in soft-dome tweeter. Power handling 125 W; FR 65-20,000 Hz \pm 3 dB; sens 90 dB W/m; imp 8 ohms. 5 $\frac{7}{8}$ x 17 $\frac{1}{8}$ x 6 in; 9 lb \$249

Model 424v 2-Way Center-Channel Speaker

4 $\frac{1}{2}$ -in copolymer woofer, 3 $\frac{1}{4}$ -in soft-dome tweeter. Power handling 100 W; FR 88-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. 5 $\frac{3}{8}$ x 16 $\frac{7}{8}$ x 6 in; 8 lb \$179

Model 404v Center-Channel Speaker

4-in copolymer driver. Power handling 100 W; FR 100-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. 5 $\frac{3}{8}$ x 16 $\frac{7}{8}$ x 6 in; 8 lb \$129

BOZAK

Classic Series

The following feature a satin hardwood finish in dark, light, black, or white oak.

Grand 3-Way Speaker

Patented acoustic-isolation design with four 6-in polypropylene woofers, two 5-in polypropylene mid-ranges, one 1-in titanium-dome tweeter, and two 12-in passive radiators. Biwire/biamp terminals. FR 28-20,000 Hz +1, -2 dB; crossover points 200 and 2,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. 31 x 48 x 16 in; 180 lb \$5,000/pr

Symphony II 3-Way Speaker

Patented acoustic-isolation design with two 8-in polypropylene woofers, two 5-in polypropylene mid-ranges, one 1-in titanium-dome tweeter, and one 10-in passive radiator. Biwire/biamp terminals. FR 31-20,000 Hz +1, -2 dB; crossover points 225 and 2,000 Hz; sens 92 dB; imp 6 ohms \$3,600/pr

Concerto II 3-Way Speaker

Patented acoustic-isolation design with two 6-in polypropylene woofers, one 5-in polypropylene mid-range, one 1-in aluminum-dome tweeter, and one 10-in passive radiator. Biwire/biamp terminals. FR 35-20,000 Hz +1, -2 dB; crossover points 250 and 2,500 Hz; sens 91 dB; imp 6 ohms \$2,600/pr

Rhapsody II 3-Way Speaker

Patented acoustic-isolation dual-port design with 8-in polypropylene woofer, 5-in polypropylene midrange, and 1-in aluminum-dome tweeter. Biwire/biamp terminals. FR 38-20,000 Hz +1, -2 dB; crossover points 300 and 3,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 19 x 38 x 12 in; 80 lb \$1,900/pr

Sonata 3-Way Speaker

Dual-port design with 8-in polypropylene woofer, 5-in polypropylene midrange, and 1-in aluminum-dome tweeter. Features polygon-shaped enclosure. Stand optional. FR 40-20,000 Hz +1, -2 dB; crossover points 300 and 3,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 19 x 26 x 11 in; 55 lb \$1,400/pr

Premiere Series

Model 4 3-Way Speaker

Tuned-port design with two 8-in cast poly-cone woofers and one 1-in chambered-aluminum tweeter. Features 6- and 18-dB/oct crossovers. Biwire/biamp terminals. Crossover points 400 and 1,700 Hz; FR 35-20,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 5 ohms. Oak veneer finish. 7-yr warranty. 11 $\frac{1}{2}$ x 42 $\frac{1}{4}$ x 15 in \$1,295/pr

Model 3 2-Way Speaker

Tuned-port design with 8-in cast poly-cone woofer and 1-in chambered-textile tweeter. Features 18-dB/oct crossover. Biwire/biamp terminals. Crossover point 1,700 Hz; FR 40-20,000 Hz \pm 2 dB; sens 88 dB SPL/W/m; imp 8 ohms. Black oak or walnut vinyl finish. 7-yr warranty. 11 $\frac{1}{2}$ x 36 $\frac{1}{2}$ x 14 in \$795/pr

Model 2 2-Way Speaker

Tuned-port design with 8-in poly-cone woofer and 1-in textile tweeter. Features 12-dB/oct crossover.

Crossover point 2,200 Hz; FR 45-18,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 8 ohms. Black oak or walnut vinyl finish. 7-yr warranty \$545/pr

Model 1 2-Way Bookshelf Speaker

Tuned-port design with 6 $\frac{1}{2}$ -in treated-paper cone woofer and 1-in textile tweeter. Features 12-dB/oct crossover. Crossover point 2,500 Hz; FR 57-18,000 Hz \pm 2 dB; sens 87 dB SPL/W/m \$395/pr

BRIGHT STAR AUDIO

Altair Pro 3-Way Speaker

Dynamic dipole design with 10-in carbon-polypropylene woofer, 5-in open-back dipole midrange, 1-in front metal-dome tweeter, and 1 $\frac{1}{2}$ -in rear ribbon tweeter. Features butyl-rubber surrounds; ferrofluid cooling; minimum-diffraction ceramic/metal cabinet; slanted front baffle; crossover with film capacitors and air-core inductors. Gold-plated inputs. Foot spikes optional. Power handling 450 W cont avg; FR 32-20,000 Hz. Natural granite finish. Black, white, high-gloss black, or high-gloss white granite finishes optional. \$2,450/pr

Altair 3-Way Speaker

Dynamic dipole design with 10-in carbon-polypropylene woofer, 5-in open-back dipole midrange, 1-in front and 3 $\frac{1}{4}$ -in rear polymer soft-dome tweeters. Features 12-dB/oct crossover at 450 Hz and 6-dB/oct slope at 3,400 Hz; butyl-rubber surrounds; ferrofluid cooling; minimum-diffraction ceramic cabinet; slanted front baffle; crossover with film capacitors and air-core inductors. Gold-plated inputs. Foot spikes optional. Power handling 300 W cont avg; FR 44-24,000 Hz; sens 88 dB; Natural granite finish. Black, high-gloss black, or high-gloss white granite finishes optional. 20 $\frac{1}{4}$ x 27 $\frac{3}{4}$ x 12 in \$1,150/pr

Shadow 2-Way Bookshelf Speaker

Tapered-dipole wedge design with 8-in woofer and polymer soft-dome tweeter. Designed for corner wall/ceiling placement. Features ferrofluid cooling; minimum-diffraction ceramic cabinet; time-aligned baffle. Power handling 120 W cont avg; crossover point 2,600 Hz; FR 50-24,000 Hz; sens 87 dB. Natural granite finish. Black, white, high-gloss black, high-gloss white, or custom granite finishes optional. 17 $\frac{1}{2}$ x 15 x 9 in; 17 lb \$499/pr

CADPRO

Audigo 3-Way Bookshelf Speaker

Dual tapered transmission-line design with 8-in polymer cone, Dynaudio D54AF soft-dome midrange, and Morel MDT33 soft-dome tweeter. Designed as a near-field monitor for digital media, music mixdown, and video post production. Features 2-in dual woofer voice coils; rubber woofer surround; magnetic shielding; magnetic-lubricant driver cooling; MDF enclosure. Biwire/biamp terminals. Power handling 1,000 W max; crossover points 650 and 6,500 Hz; FR 50-20,000 \pm 2.5 dB; sens 88 dB SPL/W/m; imp 4 ohms. 1-yr parts-and-labor warranty \$4,990/pr

Audigo One. As above, with plain MDF front and rounded edges \$2,990/pr

CALIBRATION STANDARD INSTRUMENTS

MDM-TA3 3-Way Speaker

Ported design with 2 woofers. Features proprietary TIME ALIGN design; fused bass, midrange, and treble drivers. 16 x 19 x 11 $\frac{3}{4}$ in \$1,990/pr

MDM-TA2 2-Way Bookshelf Speaker

Ported design. Features proprietary TIME ALIGN design; program/position switch to adjust high-frequency response; polarity switch. FR 60-20,000 Hz \pm 3 dB; sens 87 dB. 11 $\frac{1}{4}$ x 9 $\frac{1}{4}$ x 16 in \$1,490/pr

MDM-4 2-Way Speaker

Ported design with two 6 $\frac{1}{2}$ -in woofers and one 3-in tweeter. Features high-pass filter. FR 60-17,000 Hz \pm 3 dB; sens 89 dB; imp 8 ohm. Rosewood laminate

S P E A K E R S

finish with aluminum trim. 13 x 19 x 9³/₄ in \$1,490/pr

CALRAD

Model 20-337 2-Way In-Wall Speaker

8-in polypropylene woofer, 1-in soft-dome tweeter. Power handling 120 W max; crossover point 2,500 Hz; FR 30-20,000 Hz; imp 8 ohms. 10 x 14¹/₂ x 4 in \$186/pr

Model 20-335. As above, 6-in woofer. Power handling 100 W max; FR 40-20,000 Hz. 8³/₄ x 12 x 3¹/₂ in \$135/pr

Model 20-330 2-Way In-Wall Speaker

5¹/₄-in polypropylene woofer, 1/2-in Mylar-dome tweeter. Power handling 70 W; crossover point 3,000 Hz; FR 50-20,000 Hz. 7¹/₂ x 11 x 3 in \$108/pr

CAMBER

Camber 4.5tl 2-Way Speaker

Bass-reflex design with two 6¹/₂-in woofers and 3/4-in titanium-dome tweeter. Biwire/blamp terminals. Power handling 200 W cont; FR 40-22,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. 8 x 36 x 11⁵/₈ in; 55 lb \$999/pr

Camber 3.5tl. As above, one 8³/₄-in woofer. Power handling 175 W cont; FR 45-22,000 Hz ± 2 dB. 10⁵/₈ x 25 x 11⁵/₈ in; 35.3 lb \$799/pr

Camber 3.0tl. As Camber 3.5tl, power handling 150 W cont. FR 50-20,000 Hz ± 2 dB. 10¹/₂ x 20 x 11³/₄ in \$599/pr

Camber 2.0tl. As Camber 3.0tl, one 6¹/₂-in woofer. Power handling 125 W cont; FR 55-20,000 Hz ± 2 dB. 9 x 16¹/₂ x 11³/₄ in; 22 lb \$499/pr

Camber 1.0tl. As Camber 2.0tl, not biwireable. Power handling 100 W cont. 8³/₄ x 14³/₄ x 11⁵/₈ in; 17.6 lb \$399/pr

Laser Series

Camber LS9 2-Way Speaker

Acoustic-suspension design with two 6¹/₂-in woofers and 3/4-in ferrofluid-damped titanium-dome tweeter. Power handling 200 W cont avg; FR 40-22,000 Hz ± 2 dB; sens 91 dB SPL/W/m; imp 8 ohms. 11¹/₂ x 36¹/₂ x 7³/₄ in; 50 lb \$699/pr

Camber LS7. As above, bass-reflex design with 8³/₄-in woofer. Sens 90 dB SPL/W/m. 10 x 24 x 11 in; 35.3 lb \$499/pr

Camber LS Subwoofer

Bass-reflex design with 8-in driver. Optimized for use with Camber LS1 speaker. Power handling 100 W cont avg; FR 30-120 Hz ± 2 dB; sens 89 dB; imp 8 ohms. 9¹/₂ x 24 x 11¹/₂ in; 35 lb \$499/pr

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 ± 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 6¹/₂-in woofer and 1/2-in tweeter. Power handling 100 W cont avg; FR 80-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m. 9 x 11³/₄ x 7³/₄ in; 15 lb \$269/pr

Camber LS3. As LS1, bass-reflex design. FR 50-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m. 8 x 16 x 9¹/₄ in; 17.6 lb \$249/pr

SC Series

Camber SC 900 2-Way Speaker

Acoustic-suspension design with two 6¹/₂-in woofers and 3/4-in ferrofluid-damped titanium-dome tweeter. Power handling 200 W cont avg; FR 40-22,000 Hz ± 2 dB; sens 91 dB SPL/W/m; imp 8 ohms. 11¹/₂ x 36¹/₂ x 7³/₄ 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 \$499/pr

Camber SC 300. As Camber SC 700, one 6¹/₂-in woofer. Power handling 100 W cont avg; FR 50-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m. 9 x 16 x 8 in \$249/pr

CAMBRIDGE PHYSICS

The following feature a 5-yr parts-and-labor warranty and an oak finish.

G-66 II 3-Way Speaker

Two 8-in polycone woofers, 3-in dome midrange, 1-in ferrofluid-cooled dome tweeter. Features 24-dB/oct crossover. FR 26-22,500 Hz; 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. Features 18-dB/oct crossover. FR 36-22,500 Hz; crossover point 1,500 Hz; sens 91 dB; imp 6 ohms. 16 x 29¹/₂ x 9 in; 34 lb \$525/pr

G-11 II 2-Way Speaker

8-in polycone woofer, 1-in ferrofluid-cooled dome tweeter. Features 12-dB/oct crossover. Power handling 100 W cont; crossover point 1,500 Hz; FR 44-22,500 Hz; sens 90 dB; imp 6 ohms. 12 x 19¹/₂ x 8¹/₂ in; 20 lb \$400/pr

G-7 II 2-Way Bookshelf Speaker

6¹/₂-in polycone woofer, 3/4-in ferrofluid-cooled metal-dome tweeter. Features 12-dB/oct crossover. Power handling 60 W cont; crossover point 2,500 Hz; sens 90 dB; imp 6 ohms. 12 x 16 x 6 in; 15 lb \$300/pr

K-5 II 2-Way Bookshelf Speaker

5¹/₄-in woofer, 3/4-in dome tweeter. Features 12-dB/oct crossover. Power handling 75 W; crossover point 4,200 Hz; sens 88 dB. 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 A 3-Way Powered Speaker System

Subwoofer, 2 satellites, and 3-channel 36-W integrated amplifier. Transportable design with carrying case acting as subwoofer cabinet when empty and closed. Includes 12-volt car/lighter adaptor ... \$699

Model Eleven Stationary. As above, stationary version \$649

6-hr rechargeable battery \$99

3-hr rechargeable battery \$69

Ensemble Subwoofer/Satellite System

2 subwoofers, each with one 8-in woofer; 2 satellites, each with one 3¹/₂-in ferrofluid-cooled cone midrange and one 1³/₄-in direct radiator with an integral 3/4-in ferrofluid-cooled dome tweeter. Features high-density-particleboard subwoofer cabinet with internal bracing. Power handling 200 W; imp 6 ohms. Black-laminate finish. Subwoofer: 12 x 21 x 4¹/₂ in. Satellite: 8¹/₂ x 5¹/₄ x 4 in \$599

Above with vinyl-clad cabinets \$499

Ensemble II. As above, 1 subwoofer \$399

The Powered Subwoofer System

Acoustic-suspension design with 12-in driver and 140-W amp. Features active crossover with 4 selectable crossover points. Level control. Power handling 140 W max. 15¹/₂ x 26¹/₂ x 9¹/₂ in \$599

Slave Subwoofer. As above, no amp controls. Power handling 200 W when used with above \$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. Available primed for painting or gray \$399/pr

The Surround II Speaker System. As above, power handling 60 W. 4³/₄ x 6³/₄ x 4¹/₂ in \$249/pr

Center Channel Plus 2-Way Speaker

Acoustic-suspension design with four 3-in drivers and one 1³/₄-in direct-radiator ferrofluid-cooled tweeter with 3/4-in integral dome. Designed for center channel in home theater system. Features magnetic shielding; 11-element crossover with multiple points; MDF wood-composite enclosure. Support for use as

TV base optional. Power handling 100 W; sens 86 dB; imp 8 ohms. Black vinyl finish. 25 x 4 x 6¹/₂ in; 12 lb \$219

Ambiance 2-Way Speaker

Acoustic-suspension design with 6¹/₂-in woofer and 1-in ferrofluid-cooled tweeter. Crossover point 1,800 Hz; sens 83 dB SPL/W/m; imp 8 ohms. Solid-oak finish \$200

Gray or primed for painting \$175

In-wall version of above \$165

Center Channel 2-Way Speaker

Acoustic-suspension design with 4-in long-throw woofer and 1³/₄-in direct-radiator ferrofluid-cooled tweeter with 3/4-in integral dome. Designed for center channel in home theater system. Features magnetic shielding; 9-element crossover; MDF wood-composite enclosure. Power handling 60 W; crossover point 2,300 Hz; sens 86 dB; imp 6 ohms. Available primed for painting or in Nextel gray. 8¹/₂ x 5¹/₄ x 4 in \$149

Model Ten 2-Way Speaker

Acoustic-suspension design with 8-in long-throw woofer and 1³/₄-in direct-radiator ferrofluid-cooled tweeter with 3/4-in integral dome. Features MDF cabinet. Power handling 150 W; sens 90 dB SPL/W/m; imp 6 ohms. Oak, teak, or black-ash finish. 11¹/₄ x 18¹/₄ x 7³/₄ in; 18 lb \$119

Model Six 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in long-throw woofer and 1³/₄-in direct-radiator ferrofluid-cooled tweeter with 3/4-in integral dome. Features 6-element crossover. MDF wood-composite enclosure. Power handling 150 W; crossover point 2,000 Hz; sens 90 dB; imp 8 ohms. Oak, teak, or black-ash vinyl finish. 11¹/₄ x 18¹/₄ x 7³/₄ in; 18 lb \$119

CANTON

The following feature a limited 5-yr parts-and-labor warranty and a 2-yr electronics warranty for powered models.

Ergo 120 DC 4-Way Speaker

Bass-reflex design with two 10-in graphite-reinforced polypropylene woofers, one 6-in midbass, one 2-in midrange, and one 1-in aluminum-manganese-dome tweeter. Power handling 200 W; crossover points 300, 3,500, and 7,000 Hz; FR 18-30,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms. Gloss black or white finish; custom finish available. 12³/₈ x 51¹/₄ x 16¹/₂ in; 110 lb \$7,500/pr

Above with oak, walnut, cherry, black, or white finish \$6,000/pr

Ergo 100 DC 3-Way Speaker

Bass-reflex design with two 9-in graphite-reinforced polypropylene woofers, one 6-in midbass, and one 1-in aluminum-manganese-dome tweeter. Power handling 180 W; crossover points 300 and 3,500 Hz; FR 18-30,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms. Gloss black or white finish; custom finish available. 11 x 45³/₈ x 13³/₄ in; 79 lb \$5,500/pr

Above with oak, walnut, mahogany, black, or white finish \$4,000/pr

Ergo 90 DC. As above, two 8-in woofers. Power handling 150 W; FR 20-30,000 Hz; sens 88 dB SPL/W/m. Gloss black or white finish; custom finish available. 10 x 41³/₈ x 12¹/₂ in; 50 lb \$4,500/pr

Above with oak, walnut, cherry, black, or white finish \$3,000/pr

Ergo SC-L 3-Way Speaker

Bass-reflex design with 9-in woofer, 6-in midrange, and 1-in tweeter. Power handling 200 W; crossover points 800 and 3,500 Hz; FR 18-30,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms. Black-ash, white-ash, walnut, oak, or cherry veneer finish. 10 x 41³/₈ x 12¹/₂ in; 52 lb \$4,000/pr

Ergo 80 DC 3-Way Speaker

Bass-reflex design with 8-in woofer, 8-in midrange, and 1-in tweeter. Power handling 120 W; crossover points 300 and 3,500 Hz; FR 22-30,000 Hz. Gloss

S P E A K E R S

black or white finish; custom finish available. 9½ x 37½ x 10½ in; 41.8 lb \$3,500/pr
 Above with oak, walnut, cherry, black, or white finish \$2,000/pr
Ergo 70. As above, 6-in woofer, 6-in midrange. Power handling 110 W; FR 25-30,000 Hz; sens 87 dB SPL/W/m. Gloss black or white finish; custom finish available. 10 x 41¾ x 12½ in; 37.5 lb \$3,000/pr
 Above with oak, walnut, cherry, black, or white finish \$2,000/pr

Fonum 701 3-Way Speaker

Bass-reflex design with two 8-in woofers, one 6-in polypropylene midrange, and one 1-in aluminum/manganese-dome tweeter. Power handling 140 W; crossover points 300 and 3,500 Hz; FR 20-30,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms. Black textured vinyl finish. 9¾ x 39½ x 12½ in; 48.4 lb \$1,549/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; crossover points 300 and 3,000 Hz; FR 25-26,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. Black textured vinyl finish. 9½ x 35½ x 10½ in; 40 lb \$1,139/pr

Fonum 501 2-Way Speaker

Bass-reflex design with 8-in woofer and 1-in fabric-dome tweeter. Power handling 80 W; crossover point 3,200 Hz; FR 30-26,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms. Black textured vinyl finish. 9½ x 31½ x 10½ in; 34.1 lb \$829/pr

AV-950 2-Way Center-Channel Speaker

Two 7-in woofers, 1-in tweeter. Designed for front or center channel in home theater system. Power handling 120 W; crossover point 2,800 Hz; sens 88 dB SPL/W/m; imp 4 ohms. 17 x 5¾ x 6¾ in \$700

AV-500 2-Way Center-Channel Speaker

Bass-reflex design with 4-in woofer and 1-in tweeter. Designed for front or center channel in home theater system. Power handling 60; crossover point 3,000 Hz; FR 40-30,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Black or white. 17 x 5¾ x 6¾ in \$400

Bookshelf Speakers

Karat SC 2-Way Bookshelf Speaker

Bass-reflex design with 8-in woofer and 1-in tweeter. Power handling 100 W; crossover point 3,000 Hz; FR 22-30,000 Hz; sens 86 dB SPL/W/m; imp 4 ohms. Black- or white-ash finish. 19.1 lb \$2,000/pr

Karat 950 DC 2-Way Bookshelf Speaker

Bass-reflex design with two 7-in woofers and one 1-in tweeter. Power handling 100 W nom; crossover point 2,800 Hz; FR 26-30,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Black satin lacquer, white satin lacquer, or walnut veneer finish. 9 x 19¾ x 10¼ in; 23.5 lb \$1,250/pr

Karat 930 DC 2-Way Bookshelf Speaker

Bass-reflex design with 9-in woofer and 1-in aluminum/manganese-dome tweeter. Power handling 85 W; crossover point 2,800 Hz; FR 27-30,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms. Oak, walnut, dark cherry, black, or white finish. 10¼ x 17 x 10¼ in; 24 lb \$1,000/pr

Karat 920 DC.

As above, 8-in woofer. Power handling 70 W; FR 33-30,000 Hz. 9 x 13½ x 8¾ in; 15 lb \$750/pr

Fonum 401 2-Way Bookshelf Speaker

Bass-reflex design with 9-in woofer and 1-in tweeter. Power handling 70 W; crossover point 3,000 Hz; FR 35-26,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Black textured vinyl finish. 10½ x 16½ x 9¾ in; 18 lb \$549/pr

Fonum 301 2-Way Bookshelf Speaker

Bass-reflex design with 8-in woofer and 1-in tweeter. Power handling 60 W; crossover point 3,000 Hz; FR 38-26,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms. Black textured vinyl finish \$439/pr

Fonum 251 2-Way Bookshelf Speaker

Bass-reflex design with 6-in woofer and 1-in tweeter. Power handling 50 W; crossover point 3,200 Hz; FR 42-26,000 Hz; sens 86 dB SPL/W/m; imp 4 ohms. Black textured vinyl finish. 7¾ x 11¾ x 8 in; 9.5 lb \$329/pr

Subwoofers

Plus E Subwoofer

Bass-reflex design with 12-in driver. Power handling 100 W; crossover point 120 Hz; FR 18-120 Hz; sens 90 dB SPL/W/m; imp 4 ohms. Gloss-black, gloss-white, or custom finish. 14¼ x 22 x 14¼ in; 55.4 lb \$1,500
 Above with oak, walnut, mahogany, black, or white finish \$1,000

Plus Alpha 1 Powered Subwoofer

12-in driver; 100 W x 1 amp. Features daisychain capability. Level control; auto turn-on. Crossover point variable from 60-120 Hz; FR 60-120 Hz. Walnut, black, or white finish. 13½ x 15¼ x 15¼ in; 42 lb \$1,100

Plus C Subwoofer

12-in driver. Power handling 70 W; crossover point 120 Hz; FR 22-120 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Walnut, black, or white finish. 13½ x 14¼ x 13¾ in; 26 lb \$600

Subwoofer/Satellite Systems

Super Set Subwoofer/Satellite System

One Plus E subwoofer, two Karat 920 DC speakers. Available in oak, walnut, mahogany, black, or white finish \$1,495

Combi 24 DC Subwoofer/Satellite System

Subwoofer with two 8-in drivers; two satellites, each with two 4-in midranges and one 1-in tweeter. Power handling 80 W; crossover points 120 and 2,500 Hz; frequency response 22-30,000 Hz; sensitivity 88 dB SPL/W/m; impedance 4 ohms. Black or white. Subwoofer dimensions: 19¾ x 9 x 12½ in; 31.9 lb. Satellite 5½ x 8 x 5½ in; 5.1 lb \$995

Plus Set Subwoofer/Satellite System

One Plus C subwoofer, two Plus S speakers. Walnut finish \$995
 Above in black or white \$895

Mini and In-Wall Speakers

InWall 9 2-Way In-Wall Speaker

Coaxial design with 9-in woofer and 1-in tweeter. Power handling 70 W; crossover point 2,500 Hz; sens 89 dB SPL/W/m; imp 4 ohms. 10½ x 10½ x 3½ in; 4.8 lb \$600/pr

Plus D 2-Way Mini Speaker

Bass-reflex design with 6½-in woofer and 1-in coated-fabric dome tweeter. Power handling 50 W; crossover point 2,500 Hz; FR 41-30,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Black or white. 7½ x 10¾ x 7½ in; 9 lb \$550/pr

In-Wall D.

In-wall version of above in metal frame. For 2 x 8-in joist ceiling mounting. White. 8 x 12¾ x 7 in \$650/pr

InWall 6 2-Way In-Wall Speaker

Coaxial design with 6-in woofer and ½-in tweeter. Power handling 40 W; crossover point 4,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms. 8½ x 8½ x 3½ in; 3.3 lb \$500/pr

Patlo 160 2-Way Indoor/Outdoor Mini Speaker

6½-in woofer and 1-in aluminum-manganese dome tweeter. Features weather resistance. Power handling 50 W; crossover point 2,900 Hz; FR 42-30,000 Hz; sens 86 dB SPL/W/m; imp 4 ohms. Black or white. 7½ x 10¾ x 4¾ in; 15 lb \$450/pr
 InWall P. In-wall version of above in metal frame. For 2 x 6-in stud wall or joist ceiling mounting. White. 8 x 12¾ x 4½ in \$600/pr

Plus F 2-Way Mini Speaker

4½-in woofer, 1-in coated-fabric dome tweeter. Pow-

er handling 45 W; crossover point 2,500 Hz; FR 48-30,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms. Black or white. 7½ x 10¾ x 2¾ in; 5 lb \$400/pr
InWall F. In-wall version of above in metal frame. For 2 x 4-in stud wall mounting. White. 8 x 12¾ x 2¾ in \$500/pr

Plus X 2-Way Mini Speaker

4-in woofer, 1-in tweeter. Power handling 40 W; crossover point 2,500 Hz; FR 45-30,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms. Black or white. 5½ x 8 x 5½ in; 5.1 lb \$375/pr

Plus S 2-Way Mini Speaker

4½-in woofer, 1-in coated-fabric dome tweeter. Power handling 40 W; crossover point 2,200 Hz; FR 45-30,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms. Black or white. 4¾ x 8 x 4¾ in; 5 lb \$350/pr
 Walnut finish \$500/pr

HC 100 2-Way Mini Speaker

4¾-in woofer, 1-in dome tweeter. Power handling 35 W; frequency response 48-30,000 Hz; sensitivity 87.2 dB SPL/W/m; impedance 4 ohms. Black or white. Dimensions: 4¾ x 7½ x 5¾ in \$300/pr

CARVER

The Amazing Loudspeaker, Platinum Edition

Four 12-in woofers, 60-in full-range ribbon panel. Power handling 750 W; FR 23-40,000 Hz ± 3 dB; sens 89 dB. Piano-black finish. 33 x 66 x 10 in; 110 lb \$2,900/pr
 Oiled oak-veneer finish \$2,500/pr

AL-III 2-Way Speaker

10-in woofer, 48-in full-range ribbon panel. Bass, midrange, and treble controls. Power handling 400 W; crossover point 200 Hz; FR 34-20,000 Hz ± 3 dB. Hand-matched solid-oak panels. 14½ x 72½ x 16½ in \$1,700/pr

CASTLE

Winchester 2-Way Speaker

Folded-horn design with two 6-in woofers and 1-in dome tweeter. Crossover point 3,000 Hz; frequency response 35-22,000 Hz; sensitivity 90 dB SPL/W/m; impedance 8 ohms. Wood-veneer finish. Dimensions: 10 x 43 x 17 in; 80 lb \$2,800/pr

York 2-Way Bookshelf Speaker

Twin-port bass-reflex design with 6-in woofer and 1-in soft-dome tweeter. Power handling 300 W max; crossover point 3,300 Hz; FR 50-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. 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. Crossover point 2,500 Hz; FR 60-22,000 Hz; sens 89 dB SPL/W/m; imp 6/8 ohms. Wood-veneer finish. 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. Crossover point 3,000 Hz; FR 55-22,000 Hz; sens 89 dB SPL/W/m; imp 6/8 ohms. Wood-veneer finish. 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. Crossover point 3,000 Hz; FR 70-22,000 Hz; sens 89 dB SPL/W/m; imp 6/8 ohms. Wood-veneer finish. 7 x 13 x 8 in; 8.5 lb \$350/pr

CELESTION

Hundreds Series

Model 700 SE 2-Way Speaker

Aerolam sealed enclosure with 6½-in Cobex cast-frame woofer and 1¼-in aluminum-dome tweeter. Features aluminum honeycomb construction; figure-8 bracing; biwireable crossover. Includes stand. Gray Nextel finish \$3,399/pr

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Andrew Marshall, Audio Ideas Guide

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- Stereo Review, Nov. 1992
Julian Hirsch-Hirsch Houck
Laboratories



"This model certainly redefines the Camber tradition of exceptional value."

- Audio Ideas Guide
(Camber 3.0ti)

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- The Inner Ear Report

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S P E A K E R S

System 6000 Subwoofer

Double-dipole low-frequency array with two 12-in drivers. Features active crossover. Variable gain and frequency controls. Gray Nextel finish \$3,100

Model 600 Si 2-Way Speaker

Aerolam sealed enclosure with 6½-in Cobex cast-frame woofer and 1¼-in copper-dome tweeter. Features aluminum honeycomb construction; biwireable crossover. Gray Nextel finish \$2,099/pr
DLP-600. Digital processor for above to reduces amplitude and phase response errors. Includes fiber-optic and RCA cables \$699

Model 300 2-Way Speaker

CTL bass-loading design with 6½-in Cobex cast-frame woofer and 1¼-in aluminum-dome tweeter. Features dual figure-8 bracing; balanced veneers; biwireable crossover. Adjustable spikes. Mahogany finish \$1,999/pr
 Walnut or black-oak finish \$1,799/pr

Model 100 2-Way Speaker

Sealed enclosure with 6½-in Cobex cast-frame woofer and 1¼-in aluminum dome-tweeter. Features dual figure-8 bracing; balanced veneers; biwireable crossover. Mahogany finish \$1,299/pr
 Walnut or black-oak finish \$1,199/pr

Celestion Shield Series

The following feature magnetic shielding and a gray textured finish.

AV-8 3-Way Speaker

Bass-reflex design with two 5-in woofers, one 4½-in midrange, and one 1-in tweeter \$799/pr

AV-6 2-Way Speaker

Bass-reflex design with two 5-in woofers and one 1-in tweeter \$699/pr

AVS-1 Powered Subwoofer

Band-pass design with 8-in woofer and 75-W amp \$399

AV-4 2-Way Bookshelf Speaker

Bass-reflex design with 5-in woofer and 1-in tweeter \$329/pr

AV-2 2-Way Bookshelf Speaker

Bass-reflex design with two 4-in woofers and one 1-in tweeter \$229/pr

AVC-1 2-Way Center-Channel Speaker

Infinite-baffle design with two 3½-in woofers and one 1-in tweeter \$179

Units Series

Model 15 2-Way Speaker

AFT bass-loading design with 6-in felted-fiber woofer and 1-in titanium-dome tweeter. Features figure-8 bracing. Adjustable spikes. Black-ash or oak finish \$799/pr

Model 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

Model 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

Model 7 MkII 2-Way Bookshelf Speaker

Vented design with 8-in felted-fiber woofer and 1-in titanium-dome tweeter. Black-ash or oak woodgrain finish. Sens 89 dB SPL/W/m \$499/pr

Model 5 MkII 2-Way Bookshelf Speaker

Vented design with 6-in felted-fiber woofer and 1-in titanium-dome tweeter. Black-ash or oak woodgrain finish. Sens 89 dB SPL/W/m \$399/pr

Model 3 MkII. As above, 5-in woofer. Features 2nd-order low-pass filter \$289/pr

CS-135 Subwoofer

Dual-cavity vented design with 8-in driver. Designed for Models 1, 3, and 5. Black-ash finish \$249

Model 1 2-Way Bookshelf Speaker

Bass-reflex design with 4-in felted-fiber woofer and 1-in titanium tweeter. Black-ash or oak \$199/pr

CELLO

Stradivari Series

Strad Grand Master 3-Way Speaker

Two 12-in woofers, eight 2-in dome midranges, and eight ¾-in dome tweeters. Crossover points 400 and 5,000 Hz. 17 x 87 x 18 in; 565 lb \$48,000/pr

Strad Master 3-Way Speaker

12-in woofer, four 2-in dome midranges, and four ¾-in dome tweeters. Crossover points 400 and 5,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. 17 x 62 x 18 in; 340 lb \$26,000/pr

Premiere 3-Way Speaker

12-in woofer, 3-in dome midrange, and 1-in dome tweeter. Crossover points 400 and 8,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms. 17 x 45 x 18 in; 250 lb \$10,000/pr

Amati 3-Way Speaker

Acoustic-suspension design with 12-in woofer, four 1½-in dome midranges, and four ¾-in dome tweeters. Triwire/triamp terminals. 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

Vented design with 10-in woofer and polyfoam tweeter. Includes bass EQ. Power handling 400 W; FR 30-20,000 Hz ±3 dB; sens 100 dB W/m; imp 4 ohms. Walnut veneer finish \$1,498

AT-15 3-Way Speaker

Bass-reflex design with one 15-in woofer, two 5-in midranges, and one dome tweeter. Power handling 400 W; sens 102 dB SPL/W/m; imp 4 ohms. Black or woodgrain vinyl finish. 19 x 36½ x 18½ in; 85 lb \$1,080/pr

AT-12. As above, 12-in woofer, 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. Features 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

SW-12B Subwoofer

Vented design with 12-in down-firing driver. Features die-cast aluminum driver frame, 7-lb magnet. Power handling 125 W; sens 92 dB SPL/W/m. Wood-grain vinyl finish. 13¼ x 25½ x 16¼ in; 48 lb \$320

L-9 2-Way Speaker

10-in long-throw woofer, 1-in dome tweeter. Features foam woofer surround; self-resetting tweeter protection. Power handling 100 W rms; frequency response 40-20,000 Hz ±3 dB; sensitivity 93 dB SPL/W/m; impedance 8 ohms. Rosewood-vinyl finish. Dimensions: 13 x 22 x 11¾ inches \$220

L-7 2-Way Bookshelf Speaker

7-in paper-cone woofer, 1-in polymer-dome tweeter. Features butyl-rubber woofer surround. Power handling 75 W rms; FR 40-20,000 Hz ±3 dB; sens 92 dB SPL/W/m; imp 8 ohms. Rosewood-vinyl finish. 9 x 14 x 8¾ in \$170

Home Theater Series

The following feature vented enclosures, magnetically shielded drivers, and an ebony woodgrain vinyl finish.

Sensurround Home Theater System

Two subwoofers, each with one 10-in driver; 4 satellites; one center-channel speaker \$1,660

HT-210C Subwoofer/Center-Channel Speaker

Combines subwoofer with two 10-in drivers and center-channel speaker with 6½-in midrange and 1-in polycarbonate-dome tweeter in one cabinet. May be used as pedestal for large-screen monitor/receiver. 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 Satellite Speaker

6½-in midrange, 1-in polycarbonate-dome tweeter. Power handling 80 W; FR 80-20,000 Hz ±3 dB; sens 92 dB SPL/W/m. 8½ x 11¾ x 11 in \$380/pr

HT-CTR 2-Way Center-Channel Speaker

Two 6½-in midranges, one 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 SPL/W/m; imp 4 ohms. 16¾ x 8¼ x 11¾ in \$320

HT-110 Subwoofer

10-in driver. Features die-cast aluminum driver frame; defeatable passive crossover. Power handling 250 W; FR 38-125 Hz; sens 94 dB SPL/W/m; imp 8 ohms. 13 x 17½ x 24½ in \$290

Compact Home Theater Series

The following models feature a black woodgrain vinyl finish.

Compact Sensurround Home Theater System

One Compact HT-10D subwoofer, four Compact HT-S5 satellite speakers, and one Compact HT-SMC center-channel speaker \$1,155

Compact HT-12D Subwoofer

Bass-reflex design with 12-in dual-voice-coil driver. Die-cast aluminum driver frame; passive crossover. Power handling 250 W; FR 38-125 Hz; sens 94 dB SPL/W/m. 15 x 18¾ x 23½ in; 54 lb \$445

Compact HT-S5 2-Way Satellite Speaker

Vented design with 5-in midrange and 1-in dome tweeter. Magnetic shielding. Power handling 60 W; FR 125-20,000 Hz ±2 dB; sens 90 dB SPL/W/m; imp 8 ohms. 9¼ x 6½ x 6¾ in \$330/pr

Compact HT-10D Subwoofer

10-in dual-voice-coil driver. Features 12-dB/oct passive crossover. Power handling 150 W; crossover point 125 Hz; FR 38-125 Hz; sens 94 dB SPL/W/m; imp 8 ohms. 13 x 18½ x 16¾ in; 34 lb \$330

Compact HT-SMC Center-Channel Speaker

4 x 10-in full-range driver. Features magnetic shielding. Power handling 80 W; FR 100-10,000 Hz ±2 dB; sens 91 dB SPL/W/m; imp 8 ohms. 6 x 15 x 8 in; 9 lb \$165

DX Series

The following feature self-resetting tweeter protection, push terminals, and a scuff-resistant woodgrain-vinyl finish.

DX-9 3-Way Speaker

Bass-reflex design with 15-in woofer, 6½-in midrange, and 1-in dome tweeter. Power handling 400 W; crossover points 250 and 5,000 Hz; FR 30-20,000 Hz ±3 dB; sens 101 dB SPL/W/m; imp 4 ohms. 18 x 36 x 18 in; 85 lb \$555
DX-7. As above, 12-in woofer. Power handling 255 W; FR 30-20,000 Hz ±3 dB; sens 98 dB SPL/W/m. 15 x 34 x 15 in; 64 lb \$410

DX-5 3-Way Speaker

Bass-reflex design with 12-in paper-cone woofer, 4-in cone midrange, and 1-in dome tweeter. Features die-cast aluminum woofer frame; vented woofer magnet structure; foam woofer surround. Power handling 100 W; FR 30-20,000 Hz ±3 dB; sens 94 dB SPL/W/m; imp 8 ohms. 13 x 17½ x 24½ in \$290

S P E A K E R S

dling 175 W; crossover points 500 and 4,000 Hz; FR 36-18,000 Hz ± 3 dB; sens 96 dB SPL/W/m; imp 8 ohms. 15 x 31 x 10 $\frac{3}{4}$ in; 44 lb \$345

DX-3 3-Way Speaker

Bass-reflex design with 10-in woofer, 4-in midrange, and 1-in dome tweeter. Power handling 125 W; crossover points 350 and 5,000 Hz; FR 37-18,000 Hz ± 3 dB; sens 94 dB SPL/W/m; imp 8 ohms. 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. Power handling 100 W; crossover point 2,500 Hz; FR 40-18,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 8 ohms. 11 x 20 x 11 in; 25 lb \$205

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, 6 $\frac{1}{2}$ -in midrange, and 1-in soft-dome tweeter. Features fuse protection. Power handling 400 W; crossover points 300 and 5,000 Hz; FR 28-22,000 Hz ± 3 dB; sens 102 dB SPL/W/m; imp 4 ohms. 18 x 35 $\frac{1}{2}$ x 18 $\frac{3}{4}$ in; 90 lb \$540

VS-120 3-Way Speaker

Bass-reflex design with 12-in woofer, 4-in midrange, and 1-in dome tweeter. Features fuse protection. Power handling 200 W; crossover points 500 and 4,000 Hz; FR 28-22,000 Hz ± 3 dB; sens 97 dB SPL/W/m; imp 4 ohms. 16 $\frac{1}{2}$ x 32 x 14 $\frac{3}{4}$ 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; crossover points 600 and 5,000 Hz; FR 37-20,000 Hz ± 3 dB; sens 94 dB SPL/W/m; imp 6 ohms. 12 $\frac{7}{8}$ x 27 $\frac{1}{2}$ x 11 $\frac{3}{4}$ 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; crossover point 4,000 Hz; FR 38-20,000 Hz ± 3 dB; sens 94 dB SPL/W/m; imp 6 ohms. 11 x 10 x 11 $\frac{3}{4}$ in; 26 lb \$205

In-Wall Home Theater Series

W-8x2 2-Way In-Wall Speaker

8-in long-throw woofer, 1-in ferrofluid-cooled dome tweeter. Features self-resetting tweeter protection. Power handling 125 W; crossover point 3,500 Hz; FR 40-20,000 Hz ± 2 dB; sens 92 dB SPL/W/m. Matte-white finish. 14 $\frac{1}{2}$ x 10 $\frac{1}{2}$ x 3 $\frac{3}{8}$ in \$530/pr

W-SUB8 In-Wall Subwoofer

8-in long-throw driver. Features rubber driver surround; 12-dB/oct crossover. Power handling 125 W; crossover point 3,500 Hz; FR 40-20,000 Hz ± 3 dB; sens 92 dB SPL/W/m. Matte-white finish. 14 $\frac{1}{2}$ x 10 $\frac{1}{2}$ x 3 $\frac{3}{8}$ in \$460/pr

CHAPMAN SOUND

T7 3-Way Speaker

Dual-port compression-line design with 10-in polyamine fiber-cone woofer, 7-in fiber-composite midrange, and 1-in titanium-dome tweeter. Power handling 250 W max; crossover 125 Hz and 3,000 Hz; FR 28-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 4 ohms. Various hardwood finishes available. 13 x 44 x 10 in; 90 lb \$1,999/pr

CHARIO

Academy 2-Way Speaker

Bass-reflex design with 6 $\frac{3}{4}$ -in cone woofer and 1-in soft-dome tweeter. Features 24-dB/oct crossover. Power handling 100 W max; crossover point 1,500 Hz; FR 50-20,000 Hz ± 2 dB; sens 83 SPL/W/m; imp 8 ohms. Solid walnut finish. 10 $\frac{1}{2}$ x 16 $\frac{1}{2}$ x 12 $\frac{1}{2}$ in; 25 lb \$3,500/pr

Academy 1. As Academy 2, 5-in woofer. Crossover point 1,850 Hz; sens 81.5 dB SPL/W/m. 8 $\frac{1}{2}$ x 15 x 12 $\frac{1}{2}$ in; 18 lb \$2,495/pr

CLEMENTS

Reference RT-7 2-Way Speaker

Compression-line design with 8-in polypropylene-cone woofer and 7-in direct-inductance planar-ribbon midrange/tweeter. Biwire/biamp terminals. Frequency-tilt control. Power handling 200 W; crossover point 1,575 Hz; FR 26-40,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 6.5 ohms. Adjustable spiked feet. Rosewood finish. 10 $\frac{1}{2}$ x 45 $\frac{1}{2}$ x 19 in \$5,595/pr
Piano-lacquer, mahogany, gray-oak, or white-oak finish \$4,995/pr
Black-oak, oak, or walnut finish \$3,995/pr
Reference 1. As above, power handling 100 W, crossover point 2,400 Hz, FR 42-40,000 Hz ± 3 dB, sens 87 dB SPL/W/m, imp 6 ohms. Black-lacquer finish with cherry inlay. 8 x 17 x 11 $\frac{1}{2}$ in \$2,795/pr
Cherry finish \$2,500/pr
Walnut finish \$2,195/pr

Spatial Image Series

The following, except VSI, feature a compression-line design and biwire/biamp terminals.

Model 800SI 2-Way Speaker

8-in polypropylene-cone woofer, 1-in ferrofluid-cooled linen-dome tweeter. Power handling 150 W; crossover point 2,500 Hz; FR 30-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. Black gloss finish. 11 x 43 x 14 $\frac{1}{4}$ in \$1,200/pr

Model 600SI 2-Way Speaker

6 $\frac{1}{2}$ -in polypropylene-cone woofer, 1-in ferrofluid-cooled linen-dome tweeter. Power handling 150 W; crossover point 2,500 Hz; FR 35-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 8 ohms. Black. 9 $\frac{1}{2}$ x 32 x 14 $\frac{1}{4}$ in \$950/pr

Model 400SI 2-Way Bookshelf Speaker

6 $\frac{1}{2}$ -in polypropylene-cone woofer, 1-in ferrofluid-cooled linen-dome tweeter. Power handling 90 W; crossover point 2,500 Hz; FR 40-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 8 ohms. Black. 9 $\frac{1}{2}$ x 14 x 14 $\frac{1}{4}$ in \$650/pr

VSI 2-Way Bookshelf Speaker

Vented design with two 4 $\frac{1}{2}$ -in polypropylene-cone woofers and one $\frac{3}{4}$ -in ferrofluid-cooled poly-dome tweeter. Features 24-dB/oct crossover. Power handling 100 W; crossover point 3,500 Hz; FR 55-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m \$200

Dynamic Image Series

The following feature a vented design and a 24-dB/octave crossover.

Model 308DI 2-Way Speaker

Two 8-in fiber-cone woofers and one 1-in ferrofluid-cooled linen-dome tweeter. Biwire/biamp terminals. Power handling 140 W; crossover point 2,800 Hz; FR 35-20,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 8 ohms. 11 x 40 x 11 $\frac{1}{4}$ in \$800/pr

Model 208DI 2-Way Speaker

8-in fiber-cone woofer, 1-in ferrofluid-cooled linen-dome tweeter. Biwire/biamp terminals. Power handling 120 W; crossover point 2,800 Hz; FR 38-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. 11 x 32 x 11 $\frac{1}{4}$ in \$600/pr

Model 108DI 2-Way Speaker

8-in fiber-cone woofer, $\frac{3}{4}$ -in ferrofluid-cooled poly-dome tweeter. Biwire/biamp terminals. Power handling 100 W; crossover point 2,500 Hz; FR 40-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. 11 x 24 x 11 $\frac{1}{4}$ in \$400/pr

Model 106DI 2-Way Bookshelf Speaker

6-in polypropylene-cone woofer, $\frac{3}{4}$ -in ferrofluid-cooled poly-dome tweeter. Biwire/biamp terminals. Power handling 80 W; crossover point 3,000; FR 50-

20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. 8 x 13 $\frac{1}{2}$ x 9 $\frac{1}{4}$ in \$300/pr

Model 104DI 2-Way Bookshelf Speaker

4 $\frac{1}{2}$ -in polypropylene-cone woofer, $\frac{3}{4}$ -in ferrofluid-cooled poly-dome tweeter. Power handling 50 W; crossover point 3,500 Hz; FR 70-20,000 Hz ± 3 dB; sens 89 SPL/W/m. 6 x 9 $\frac{1}{2}$ x 5 $\frac{1}{2}$ in \$200/pr

CLIF DESIGNS

Krön Series

The following are designed for home theater systems and are available in black or white. All tweeters, except for the one in K-200, swivel.

KP-708 Subwoofer/Satellite System

Ported subwoofer with 12-in driver; 2 satellites, each with 4-in midrange and $\frac{3}{4}$ -in ferrofluid-cooled soft-dome tweeter. Power handling 200 W; FR 33-21,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 4 ohms. Subwoofer: 17 x 18 x 17 $\frac{1}{2}$ in \$749
Subwoofer only \$449

KP-608 Subwoofer/Satellite System

Ported subwoofer with two 8-in dual-voice-coil drivers; 2 satellites, each with 4-in midrange and $\frac{3}{4}$ -in ferrofluid-cooled polycarbon tweeter. Power handling 200 W; FR 36-21,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 4 ohms. Subwoofer: 12 $\frac{1}{2}$ x 23 $\frac{1}{2}$ x 17 $\frac{1}{2}$ in \$699
Subwoofer only \$399

KR-508 Subwoofer/Satellite System

Subwoofer with 8-in dual-voice-coil driver; 2 satellites, each with 4-in midrange and $\frac{3}{4}$ -in ferrofluid-cooled polycarbon tweeter. Power handling 150 W; FR 46-21,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 4 ohms. Subwoofer: 12 x 20 x 15 in \$599
Subwoofer only \$299

K-300 2-Way Satellite Speaker

4-in driver, $\frac{3}{4}$ -in ferrofluid-cooled silk soft-dome tweeter. Power handling 60 W; FR 100-21,000 Hz ± 3 dB; sens 90 dB. 4 $\frac{3}{4}$ x 6 $\frac{7}{8}$ x 4 in \$299/pr

K-400 2-Way Bookshelf Speaker

8-in woofer, 1-in ferrofluid-cooled silk soft-dome tweeter. Power handling 150 W; FR 45-22,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 4 ohms. 10 x 17 x 11 $\frac{1}{2}$ in \$249

K-101 2-Way Center-Channel Speaker

Two 4 $\frac{1}{2}$ -in drivers, two $\frac{3}{4}$ -in ferrofluid-cooled silk soft-dome tweeters. Power handling 125 W; FR 55-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 6 ohms. 20 $\frac{1}{2}$ x 6 x 7 $\frac{1}{2}$ in \$249

K-350 2-Way Bookshelf Speaker

5-in woofer, $\frac{3}{4}$ -in ferrofluid-cooled silk soft-dome tweeter. Power handling 100 W; FR 65-21,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 4 ohms. 7 $\frac{1}{2}$ x 10 $\frac{1}{2}$ x 7 $\frac{1}{2}$ in \$199

K-200 2-Way Satellite Speaker

4-in driver, $\frac{3}{4}$ -in ferrofluid-cooled silk soft-dome tweeter. Power handling 50 W; FR 110-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 4 ohms. 4 $\frac{3}{4}$ x 6 $\frac{7}{8}$ x 4 in \$199/pr

K-100 2-Way Center-Channel Speaker

Two 4 $\frac{1}{2}$ -in drivers, ferrofluid-cooled polycarbonate tweeter. Power handling 100 W; FR 55-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 4 ohms. 20 $\frac{1}{2}$ x 6 x 7 $\frac{1}{2}$ in \$199

COUNTERPOINT

Clearfield 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. Features mono-coque construction; polypropylene capacitors; metal-film resistors; dual voice coils. Gold-plated biwire/biamp terminals. Adjustable woofer Q. Power han-

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ding 200 W max; FR 25-25,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 4 ohms. Walnut, light-oak, black-oak, or cherry finish. 24 x 62½ x 12 in ... \$5,995/pr

Clearfield Continental 2-Way Speaker

Controlled-directivity transmission-line design with two 6-in mineral-damped polypropylene woofers and aluminum tweeter. Features monocoque construction; polypropylene capacitors; metal-film resistors; dual voice coils. Gold-plated blwire blamp terminals. Adjustable woofer Q. Power handling 200 W max; FR 30-25,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. Walnut, light-oak, black-oak, or cherry finish. 18 x 50 x 10 in ... \$3,595/pr

Clearfield Diplomat 2-Way Bookshelf Speaker

6½-in glass-fiber cone woofer, 1-in ferrofluid-damped metal-alloy tweeter. Features supronyl tweeter edge; neodymium tweeter magnet; cast-aluminum woofer frame; aluminum woofer voice coil. Power handling 200 W max; FR 60-22,000 Hz \pm 1 dB; sens 87 dB SPL/W/m; imp 8 ohms. 10 x 16 x 14 in ... \$1,295/pr

Orpheum 2-Way Bookshelf Speaker

Two 6½-in glass-fiber woofers and one 1-in aluminum-dome tweeter. Power handling 100 W max; FR 60-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. 9 x 14 x 10 in ... \$895/pr

Mystic 2-Way Bookshelf Speaker

Dipolar design with two 5¼-in woofers and one 1-in aluminum-dome tweeter. Power handling 100 W max; FR 60-20,000 Hz; sens 85 dB SPL/W/m; imp 4 ohms. 7 x 10 x 8 in ... \$895/pr

Embassy Subwoofer

8-in polypropylene driver. Doubles as a speaker stand. Features crossover. Power handling 200 W max; FR 30-60 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Piano black-lacquer finish. 15 x 26 x 17 in ... \$795/pr

Bijou 2-Way Center-Channel Speaker

Two 5½-in glass-fiber woofers and one 1-in aluminum-dome tweeter. Power handling 100 W max; FR 60-20,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms. 17½ x 7 x 8 in ... \$495

CSI

SP-200 2-Way Speaker

Bass-reflex design with 5¼-in woofer, 1-in dome tweeter. Features magnetic shielding; molded composite enclosure. Includes mounting brackets. Power handling 80 W max ... \$185/pr

SW-850 Subwoofer

Dual-ported design with two 8-in drivers. Features crossover with circuit protection. Satellite connector. Power handling 50 W rms; FR 35-240 Hz. 20 x 12¾ x 5 in, 20 lb ... \$150

SP-100 2-Way Speaker

Bass-reflex design with 3½-in polypropylene woofer, 2-in soft-dome tweeter. Features magnetic shielding; molded composite enclosure. Includes mounting brackets. Power handling 65 W max. Black or white ... \$140/pr

In-Wall Speakers

The following are weatherproof, include mounting hardware, and have paintable frames and grilles.

SP-802A 2-Way In-Wall Speaker

8-in polypropylene woofer, 1-in soft-dome tweeter. Features auto circuit breaker. Tweeter level control. Power handling 80 W max; crossover point 2,200 Hz; FR 35-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 10 x 14 x 3¾ in; 5.5 lb ... \$158

SP-602A 2-Way In-Wall Speaker

6-in polypropylene woofer, 1-in soft-dome tweeter. Features auto circuit breaker. Tweeter level control. Power handling 50 W max; crossover point 2,500 Hz; FR 40-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms.

8½ x 12 x 3¼ in; 4 lb ... \$135

SP-502A 2-Way In-Wall Speaker

5¼-in polypropylene woofer, 1-in Mylar cone tweeter. Power handling 30 W max; crossover point 3,000 Hz; FR 50-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 7½ x 11 x 2¾ in; 3 lb ... \$68

SP-402 2-Way In-Wall Speaker

4-in polypropylene woofer, 1-in Mylar cone tweeter. Power handling 25 W max; crossover point 3,000 Hz; FR 50-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 5½ x 8½ x 2½ in; 2.5 lb ... \$40

DAHLQUIST

The following feature a vertical decoupled phase-array design and a 2nd-order quasi-Bessel alignment.

DQ-30I 3-Way Speaker

10-in woofer, 5-in polypropylene midrange, ¾-in alloy-dome tweeter. Power handling 250 W; crossover points 280 and 3,300 Hz; FR 27-25,000 Hz \pm 3 dB; sens 89 dB; imp 4 ohms. Rosewood or black trim. 17½ x 47 x 15 in; 69 lb ... \$2,000/pr

DQ-28 3-Way Speaker

8-in polypropylene woofer, 4-in polypropylene midrange, ¾-in alloy dome-tweeter. Power handling 200 W; crossover points 470 and 4,000 Hz; FR 37-25,000 Hz \pm 3 dB; sens 91 dB; imp 4 ohms. Rosewood or black trim. 14½ x 41½ x 12 in; 50 lb ... \$1,400/pr

DQ-18 2-Way Speaker

8-in polycarbon woofer, ¾-in alloy-dome tweeter. Power handling 200 W; crossover point 210 Hz; FR 37-25,000 Hz; sens 91 dB; imp 4 ohms. Rosewood or black trim. 14½ x 41½ x 12 in; 46 lb ... \$1,000/pr

DQ-16 2-Way Speaker

6-in polycarbon woofer, ¾-in alloy-dome tweeter. Power handling 150 W; FR 39-27,000 Hz; sens 89 dB; imp 6 ohms. 14 x 37 x 12 in; 30 lb ... \$750/pr

DQ-6cl 2-Way Bookshelf Speaker

6-in polypropylene woofer, ¾-in alloy-dome tweeter. Power handling 150 W; FR 50-25,000 Hz \pm 3 dB; sens 89 dB; imp 4 ohms. 14 x 22 x 12 in ... \$500/pr

DANA AUDIO

System 1 Subwoofer/Satellite System

Sub 1 subwoofer, two Model 1 speakers. Power handling 200 W max; FR 25-20,000 Hz ... \$494/pr
System 2. Above with second Sub 1. Power handling 220 max ... \$789/pr

Signature 2-Way Speaker

Sealed-box design with 6½-in woofer and 1-in cloth-dome tweeter. Features polypropylene capacitors. Gold-plated 5-way binding posts. Power handling 120 W max; crossover point 3,000 Hz; FR 55-20,000 Hz. Black vinyl finish. 27 lb ... \$329/pr

Sub 1 Subwoofer

Ported design with 8-in driver. 5-way binding posts. Power handling 200 W max; FR 25-100 Hz. Solid oak finish. 38 x 10 x 13 in ... \$295

Model 1 2-Way Speaker

Sealed-box design with 6½-in woofer and ¾-in titanium tweeter. Features ¾-in MDF enclosure. 5-way binding posts. Power handling 100 W max; crossover point 3,150 Hz; FR 63-20,000 Hz. Black vinyl finish. 3-yr warranty. 9 x 15 x 7 in; 25 lb ... \$199/pr

DCM

SUB-712 Powered Subwoofer

8-in active driver, 12-in down-firing passive driver, integral 80-W B&K Components amp. Features magnetic shielding. Line- and speaker-level inputs. Variable sens. Crossover point 75 Hz; FR 28-80 Hz. 14½ x 16 x 15½ in; 28 lb ... \$699

SUB-710 Powered Subwoofer

6-in active driver, 8-in passive bass-reflex driver, integral 50-W B&K Components amp. Features magnetic shielding. Line- and speaker-level inputs. Variable sens. Crossover point 100 Hz; FR 32-120 Hz. 9 x 14¾ x 19½ in; 25 lb ... \$349

TimeWindow Series

TimeWindow 7 3-Way Speaker

7-sided staggered transmission-line design with two 9-in polypropylene woofers, two 6½-in midranges, and three ¾-in hard-dome tweeters. Power handling 500 W cont avg; FR 22-25,000 Hz; sens 92 SPL/W/m; imp 6 ohms. Gloss-black finish. 18½ x 48 x 14 in; 75 lb ... \$2,999/pr

TimeWindow 3 3-Way Speaker

Folded transmission-line design with 8-in woofer, 6½-in cone midrange, and two ¾-in plastic soft-dome tweeters. Features time-coherent point source configuration; acoustic antidiffraction lenses. Tweeter and midrange level controls; narrow/wide image control. Power handling 500 W cont avg; FR 24-20,000 Hz; sens 90 SPL/W/m; imp 8 ohms. Dark oak finish. 16¼ x 39¼ x 12¾ in; 45 lb ... \$1,499/pr

TimeWindow 1A 2-Way Speaker

Hybrid transmission-line design with two 6½-in woofers and two plastic soft-dome tweeters. Features optimization for minimum time-dispersion error; acoustic lenses; cylindrical back; triangular-prism front. Power handling 200 W cont avg; sens 91 dB SPL/W/m; imp 8 ohms. Dark oak finish. 15 x 36 x 11¾ in; 32 lb ... \$949/pr

TimeFrame Series

TimeFrame TF1000 3-Way Speaker

Tapered transmission design with 8-in woofers, 4-in midrange, and ¾-in plastic soft-dome tweeter. Features acoustic antidiffraction lenses. Power handling 300 W cont avg; FR 26-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Dark or black oak finish. 19½ x 49 x 8 in; 49 lb ... \$1,099/pr

TimeFrame TF600 3-Way Speaker

Mirror-image design with 6½-in woofer, 6½-in coaxially mounted polypropylene midbass, and ¾-in dome tweeter. Features staggered transmission-line enclosure terminating in one rear vent. Power handling 250 W cont avg; FR 30-20,000 Hz; sens 92 SPL/W/m; imp 6 ohms. Dark or black oak finish. 17 x 41 x 8¾ in; 47 lb ... \$749/pr

TimeFrame TF400 Series Two 3-Way Speaker

Transmission-line design with two 6½-in magnetically shielded cone woofers, one coaxially mounted ¾-in dome tweeter, and one rear-firing ¾-in dome tweeter. Features antidiaphragm lens. Power handling 150 W cont avg; FR 42-20,000 Hz; sens 92 dB SPL/W/m; imp 6 ohms. Dark or black oak finish. 15 x 38 x 8 in; 31 lb ... \$598/pr

Monitor Series

CX-27 Series Two 3-Way Speaker

Transmission-line design with 6½-in woofer, 6½-in midbass, and coaxially mounted ¾-in dome tweeter. Features acoustic lens; 2 rear-firing ports. Power handling 150 W cont avg; FR 35-20,000 Hz; sens 93 dB SPL/W/m. 10 x 27 x 11 in ... \$519/pr

CX-17 2-Way Bookshelf Speaker

Transmission-line design with 6½-in woofer and coaxially mounted ¾-in dome speaker. Features acoustic lens; 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 ... \$369/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 45-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms ... \$259/pr

CX-007 2-Way Bookshelf Speaker

Acoustic-suspension design with 6½-in woofer and

S P E A K E R S

¾-in soft-dome tweeter. Features magnetic shielding. Power handling 50 W cont avg; FR 90-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. 5½ x 8¼ x 4½ in; 3.3 lb \$139/pr

CX-CENTER 2-Way Center-Channel Speaker

Acoustic-suspension design with two 4-in woofers and one ¾-in soft-dome tweeter. Features magnetic shielding. Power handling 75 W cont avg; FR 90-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. 17¾ x 4¾ x 10½ in; 9 lb \$125

DEFINITIVE TECHNOLOGY

Powerfield 1500 Powered Subwoofer

15-in cast-basket polymer-laminate cone driver. Features butyl-rubber driver surround; variable 24-dB/oct low-pass filter; 12-dB/oct high-pass filter. Variable phase control; level control. Power handling 250 W rms; FR 15-150 Hz. Plano-black lacquer or natural golden-oak finish. 18 x 20 x 18 in. \$995

BP20 2-Way Speaker

Four 6½-in mineral-filled-polymer woofers, two 1-in aperiodic-dome tweeters. Phase-coherent Linkwitz-Riley crossover; bipolar design with symmetrically concentric driver arrays on front and rear baffles; computer-synthesized transmission-line tuning. Biwire/biamp terminals. Power handling 500 W; frequency response 18-28,000 Hz; sens 90 dB sound-pressure level/watt/meter; imp 8 ohms. 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 woofers and two 1-in ferrofluid-cooled dome tweeters. Features Linkwitz-Riley crossover; aluminum voice coil. FR 20-28,000 Hz; imp 8 ohms. Wood or black-lacquer finish. 5-yr warranty. 9 x 42 x 11½ in. \$550

CL/R 1000 2-Way Speaker

Two 6½-in polypropylene woofers, two 1-in fabric-dome tweeters. Features rubber woofer surrounds; cast woofer baskets; Linkwitz-Riley crossover. Power handling 300 W max; FR 25-28,000 Hz. 8 x 21½ x 12 in. \$450

BP8 2-Way Speaker

Two 5½-in cast-basket polypropylene woofers, two 7/8-in soft-dome tweeters. Features rubber woofer surrounds; proprietary computer-synthesized transmission-line tuning. Power handling 200 W max; FR 22-28,000 Hz. 7 x 38 x 11 in. \$399

DR7 Studio Tower 2-Way Speaker

6½-in mineral-filled polymer woofer, 1-in ferrofluid-cooled dome tweeter. Features phase-coherent Linkwitz-Riley crossover; narrow-profile minimum-diffraction cabinet; computer-synthesized transmission-line tuning. Power handling 200 W; FR 22-28,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black-ash vinyl finish. 8½ x 35 x 11½ in. \$299

C-1 2-Way Center-Channel Speaker

Two 5¼-in cast-basket woofers, 1-in soft-dome tweeter. Features Linkwitz-Riley crossover. Power handling 200 W; FR 25-28,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 6¾ x 19 x 8½ in. \$299

BP2 2-Way Surround Speaker

Bipolar design with two 5¼-in cast-basket polypropylene-cone woofers and two ¾-in soft-dome tweeters. Designed for home theater or satellite systems. Features Linkwitz-Riley crossover; low-diffraction grille/baffle interface. Includes wall mounting plate. Power handling 200 W; FR 50-28,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black or white. 7 x 11 x 7 in. \$250

DR7 2-Way Speaker

6½-in cast-basket woofer, 1-in dome tweeter. Features Linkwitz-Riley crossover. Power handling 200 watts maximum; frequency response 25-28,000 Hz. Dimensions: 8½ x 22 x 11½ in. \$249

DENNESEN

Dennesen Class A 3-Way Electrostatic Speaker

Phase-correct time-aligned hybrid design with slot-loaded 10-in woofer, 6½-in midrange, and four 3-in electrostatic tweeters. 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 biampifying \$375

ESL X Electrostatic Speaker

Phase-correct time-aligned hybrid design with 6½-in woofer and four 3½-in electrostatic tweeters. Power handling 150 W cont avg; FR 75-35,000 Hz ± 2.5 dB; sens 89 dB SPL/W/m; imp 8 ohms. Choice of finish. 9 x 26 x 12½ in; 40 lb \$1,850

ESL MINI Electrostatic Speaker

Phase-correct time-aligned acoustic-suspension hybrid design with 5-in woofer/midrange and four 3½-in electrostatic tweeters. Power handling 100 W cont avg; FR 75-35,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Choice of finish. 7 x 24 x 10 in; 20 lb. \$1,250

Dennesen 2-Way Electrostatic Speaker

Phase-correct time-aligned acoustic-suspension hybrid design with 5-in woofer/midrange and three 3-in electrostatic tweeters. 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. \$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; sens 89 dB SPL/W/m; imp 8 ohms. Gray-textured finish. 8 x 13¼ x 8¾ in. \$500/pr

DSW-1 Powered Subwoofer

Tuned-port design with long-throw driver. Line- and speaker-level inputs. 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; sens 88 dB SPL/W/m; imp 8 ohms. Gray-textured finish. 5¼ x 9¾ x 6¼ in. \$200/pr

DESIGN ACOUSTICS

CLW Subwoofer

Acoustic-suspension design with 10-in downward-firing dual-voice-coil driver. Features magnetic shielding; high-pass filter. Power handling 150 W; FR 40-150 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Black vinyl finish. 12½ x 14½ x 12½ in; 24 lb \$250

Summit Series

DA-1000 3-Way Speaker

Vented design with 10-in downward-firing woofer, two 5-in midbasses, and ¾-in sonofoam-treated metallized-polycarbonate dome tweeter. Features magnetic shielding; ferrofluid cooling. Power handling 300 W; crossover points 110 and 3,500 Hz; FR 30-25,000 Hz; sens 89 dB SPL/W/m. 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 metallized-polycarbonate dome tweeter. Features magnetic shielding; ferrofluid cooling. Power handling 200 W; crossover points 130 and 3,500 Hz; FR 40-25,000 Hz; sens 88 dB SPL/W/m. Oak or black-ash vinyl finish \$800/pr

DA-800. Bookshelf version of above. Crossover points 150 and 4,000 Hz; FR 47-22,000 Hz. \$600/pr

Point Source Series

PS-10A 3-Way Bookshelf Speaker

Acoustic-suspension design with 10-in downward-firing woofer, 5¼-in midrange, and 1-in soft-dome

tweeter. Features ferrofluid cooling. Power handling 300 W; crossover points 200 Hz and 2,800 Hz; FR 45-22,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Oak or black-ash vinyl finish. 11 x 16¾ x 13 in. \$600/pr

PS-9 3-Way Bookshelf Speaker

Acoustic-suspension design with 8-in downward-firing woofer, 5¼-in midrange, and ¾-in soft-dome tweeter. Features ferrofluid cooling. 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 15¾ x 12½ in; 20 lb \$500/pr

PS-8C 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in woofer and 1-in soft-dome tweeter. Features ferrofluid cooling. Power handling 200 W; crossover point 2,800 Hz; FR 50-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Oak or black-ash vinyl finish. 9¾ x 13¾ x 11¾ in; 15 lb \$380/pr

PS-SW Subwoofer

Vented design with 10-in carbon-fiber driver. Features impregnated-aluminum dual voice coils; high-pass filter. Power handling 200 W; FR 30-130 Hz; sens 89 dB SPL/W/m (1 voice coil), 95 dB SPL/W/m (2 voice coils); imp 8 ohms. Black-vinyl finish. 5-yr limited warranty. 16½ x 22 x 11 in; 38 lb \$340

PS-6A 2-Way Bookshelf Speaker

Acoustic-suspension design with 6½-in woofer and ¾-in soft-dome tweeter. Features magnetic shielding; ferrofluid cooling. Power handling 100 W; crossover point 3,000 Hz; FR 55-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Oak or black-ash vinyl finish. 8½ x 12 x 11½ in; 12 lb \$280/pr

PS-55 2-Way Bookshelf Speaker

Bass-reflex design with 5¼-in woofer and ¾-in soft-dome tweeter. Features ferrofluid cooling. Power handling 75 W; crossover point 4,000 Hz; FR 65-20,000 Hz; sens 88 dB SPL/W/m; 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. Features magnetic shielding. Power handling 75 W; FR 50-20,000 Hz; sens 88 dB SPL/W/m. Black vinyl finish \$190

DA-360 2-Way Outdoor Speaker

6-in woofer, 1½-in piezo tweeter. Features ABS enclosure. Power handling 30 W; FR 90-18,000 Hz; sens 84 dB; imp 8 ohms. 7¾ diameter x 10 in; 5 lb \$90

DIGITAL PHASE

The following feature proprietary Acousta-Reed ported design, a 1-in spun-titanium ferrofluid-cooled dome tweeter, a 24-dB/oct crossover with OFC wiring, 5-way gold-plated binding posts, and a 5-yr warranty.

AP-4 2-Way Speaker

6½-in carbon-fiber polypropylene woofer. Features butyl woofer surround; 2-layer aluminum woofer voice coil. Power handling 250 W; FR 35-20,000 Hz ± 1.5 dB; sens 93 dB SPL/W/m. Black or honey oak finish. 15¾ x 50 x 16 in; 110 lb \$3,200/pr

AP-2 2-Way Speaker

6½-in carbon-fiber polypropylene woofer. Features butyl woofer surround; 2-layer aluminum woofer voice coil. Power handling 150 W; FR 35-20,000 Hz ± 1.5 dB; sens 92 dB SPL/W/m. Black or honey oak finish. 14½ x 42 x 13 in; 76 lb \$1,700/pr

AP-1 2-Way Speaker

6½-in carbon-fiber polypropylene woofer. Features butyl woofer surround; 2-layer aluminum woofer voice coil. Power handling 100 W; FR 35-20,000 Hz ± 1.5 dB; sens 87 dB SPL/W/m. Black or honey oak finish. 11½ x 38 x 10½ in; 43 lb \$1,250/pr



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Darn near everything's gone digital.

Except of course, your old speakers. At Cerwin-Vega, we've designed an entirely new loudspeaker, for entirely new music.

Introducing the VS. It stands for "Velocity Sensitive." And means you'll hear

every detail in the music. **{OR haven't you heard?}** sizer solos up to 22,000Hz.

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You will, indeed, hear them. Our acoustically loaded woofers will give you deep, accurate bass all the way down to 28Hz. Along with volume in the neighborhood of 128 decibels (imagine, 128 decibels in your neighborhood). With our large diameter midranges you'll hear clean vocals. While VS tweeters carry wailing synthe-

These days, it's not just musicians who can make you get up and dance. It's engineers.



S P E A K E R S

SM-1 2-Way Speaker

6½-in carbon-fiber polypropylene woofer. Features butyl woofer surround; 2-layer aluminum woofer voice coil. Power handling 100 W; FR 35-20,000 Hz ± 2 dB; sens 87 dB SPL/W/m. Black ebony finish. 12¾ x 24 x 13¼ in; 35 lb \$950/pr

AP-5 2-Way Bookshelf Speaker

3-in woofer. Power handling 60 W; FR 35-20,000 Hz ± 2 dB; sens 81 dB SPL/W/m. Black or honey oak finish. 9 x 13 x 8½ in; 17 lb \$650/pr

DISCWASHER

SM 400 Powered Mini Speaker

Features dual amplifiers; 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

DUNTECH

Sovereign C7000 4-Way Speaker

Pulse-coherent design with 7 custom-designed computer-selected drivers symmetrically arranged and time aligned on vertical axis. Features acoustic damping; polypropylene capacitors; air-core inductors. Includes Krell KBX electronic crossover. Power handling 1,000 Hz; FR 27-20,000 Hz ± 2 dB; sens 90 dB; imp 4 ohms. Brazilian Rosewood finish. 14 x 74 x 35 in; 275 lb \$30,000/pr
Sovereign C6000. As above, without crossover. Two 12-in woofers, two 7-in midbasses, two 2-in midranges, and one ¾-in tweeter. Biwire/biamp terminals. Crossover points 400, 2,000, and 5,000. Honey oak finish; available in choice of custom finish \$19,995/pr

Princess C5000 3-Way Speaker

Pulse-coherent design with two 9-in woofers, two 5-in midranges, and one 1-in tweeter symmetrically arranged and time aligned on vertical axis. Features custom-designed computer-selected drivers; acoustic damping; polypropylene capacitors; air-core inductors. Power handling 1,000 Hz; FR 38-20,000 Hz ± 2 dB; sens 90 dB; imp 4 ohms. Honey oak finish; other finishes available. 12 x 73 x 19 in; 146 lb \$9,995/pr

Marquis C4000.

As above, two 8-in woofers, two 4-in midranges, and one 1-in tweeter. Power handling 500 W; FR 45-20,000 Hz ± 2 dB; sens 92 dB. Honey oak finish; other finishes available. 11 x 59 x 18 in; 117 lb \$5,995/pr

Regents D400SBL 3-Way Speaker

Pulse-coherent design with two 12-in woofers, two 7-in midranges, and one 1-in tweeter symmetrically arranged and time aligned on vertical axis. Features acoustic damping; polypropylene capacitors; air-core inductors. Biwire/biamp terminals. Power handling 1,000 W; frequency response 30-20,000 Hz ± 3 dB; sensitivity 90 dB; impedance 4 ohms. Dimensions: 14 x 74 x 23 inches; weight: 161 lb \$6,995/pr

Baron D300SBL 3-Way Speaker

Pulse-coherent point-source design with two 8-in woofers, two 4-in midranges, and one 1-in tweeter symmetrically arranged and time aligned on vertical axis. Biwire/biamp terminals. Power handling 500 W; FR 45-20,000 Hz ± 3 dB; sens 92 dB; imp 4 ohms. 11 x 57 x 14 in; 99 lb \$3,995/pr

Viscount D200SBL 2-Way Speaker

Pulse-coherent point-source design with two 6½-in woofers and one 1-in tweeter. Features double woofer magnet with 3-in aluminum voice coil. Biwire/biamp terminals. Power handling 500 W; FR 50-20,000 Hz ± 3 dB; sens 91 dB; imp 4 ohms. 11 x 34 x 14 in; 53 lb \$2,495/pr

Esquire D100SBL 2-Way Speaker

Pulse-coherent design with two 6½-in woofers and one 1-in tweeter. Power handling 500 W; FR 55-

20,000 Hz ± 3 dB; sens 91 dB; imp 4 ohms. 11 x 26 x 14 in; 40 lb \$1,995/pr

Duchess 2-Way Bookshelf Speaker

7-in woofer and 1-in tweeter. Features 6-dB/oct crossover. FR 70-20,000 Hz; sens 83 dB; imp 6 ohms. Oak finish. 9 x 13 x 8 in \$1,295/pr

DYNACO

FL-650 2-Way In-Wall Speaker

6½-in polypropylene woofer, 1-in soft-dome tweeter. Features waterproof diaphragms; foam-edge surround. Power handling 100 W; crossover point 2,500 Hz; FR 58-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Includes mounting hardware. New-construction bracket optional \$300/pr

Amazing Bass Subwoofer

Bass-reflex design with 8-in driver. Features dual voice coils. Power handling 100 W; crossover point 100 Hz; FR 30-120 Hz ± 3 dB \$180

A-10 Type II 2-Way Speaker

4-in polypropylene woofer, ¾-in ferrofluid-cooled titanium-dome tweeter. Power handling 75 W; FR 100-18,000 Hz ± 3 dB \$120/pr

AW-1 Indoor/Outdoor 2-Way Speaker

Waterproof polypropylene woofer, hard-dome tweeter. Features sealed aluminum enclosure; anodized weather-painted grille. Black or white \$100/pr

DYNAUDIO

Gemini II Enhanced 2-Way Speaker

QB3 vented design with two 5-in cone woofers and one 1½-in dome tweeter. Crossover point 2,700 Hz; FR 50-24,000 Hz ± 3 dB; sens 90 dB. Black wood finish. 10 x 22 x 7 in; 50 lb \$2,400/pr

Twynn II Enhanced 2-Way Speaker

Aperiodic design with two 7-in cone woofers and one 1½-in dome tweeter. Crossover point 3,150 Hz; FR 40-24,000 Hz ± 3 dB; sens 90 dB. Black wood finish. 12 x 40 x 12 in; 50 lb \$2,200/pr

DZURKO ACOUSTICS

Shadow 3-Way Speaker

Integrated modular design with two 8½-in woofers, two 5-in midranges, and one 1-in soft-dome tweeter. Features cast driver frames; proprietary laminated cabinet-wall construction. Power handling 300 W; FR 40-20,000 Hz; sens 92 dB; imp 4 ohms. Mahogany, walnut, cherry, or oak multiple-lacquer finish. 10 x 49 x 17 in; 180 lb \$8,250/pr

EMINENT TECHNOLOGY

LFT-VI Planar Doublet Speaker

Single-diaphragm Linear Field Transducer; 410-in-square 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. Power handling 250 W max; FR 38-20,000 Hz ± 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

8-in woofer, single-diaphragm Linear Field Transducer. Features constant magnetic field as diaphragm moves between magnets; 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-400 Powered Subwoofer

Three 10-in drivers; 400-W amp. Features servo driver control; protection circuitry; adjustable high- and low-pass filters. Level control. Gloss charcoal finish. 18 x 17 x 24 \$1,400
 Above with 3-channel active crossover \$2,000

AS-180 Powered Subwoofer

12-in driver; integrated Class A/B 180-W power amp. Features protection circuitry; adjustable low-pass filter; level control. A/V EQ switch; dual ports. Black ash finish. 17 x 18 x 17 in \$750
AS-90. As above, 90-W power amp. 17 x 16 x 17 in \$550

RVS-1/RVS-2 Energy Reference 2-Way Speaker

Dual-vented design with two 5¼-in injection-molded woofers and one 1-in aluminum cloth-dome tweeter. Rubber woofer surrounds; magnetic shielding. Power handling 150 W max; crossover point 2,000 Hz; FR 45-23,000 Hz 3 dB; sens 86 dB SPL/W/m; imp 4 ohms. Gloss black finish. 9 x 19 x 12 in \$350

ESAT-2 2-Way Satellite Speaker

Acoustic-suspension design with 4½-in woofer and ¾-in cloth-dome tweeter. Designed for home theater systems. Features magnetic shielding; sculpted Spherex baffle. Power handling 125 W rms; crossover point 2,500 Hz; FR 140-22,000 Hz ± 3 dB; sens 84 dB SPL/W/m; imp 6 ohms. 5 x 8 x 5 in \$349/pr

ESUB-2 Energy Subwoofer

6th-order band-pass vented enclosure with 6½-in driver. Designed for home theater systems. Features magnetic shielding. Power handling 125 W rms; crossover point 140 Hz; FR 40-140 Hz ± 3 dB; sens 84 dB SPL/W/m. Black-ash vinyl finish. 8 x 12 x 14 in; 18 lb \$349/pr

ECC-1 Energy Center-Channel Speaker

Dual-vented design with two 4½-in woofers and ½-in polycarbonate-dome tweeter on sloped baffle. Designed for home theater systems. Features magnetic shielding. Power handling 100 W rms; crossover point 2,500 Hz; FR 60-22,000 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 8 ohms. Black-ash vinyl finish. 6 x 20 x 8 in; 15 lb \$169

22 Series

Veritas v2.8 3-Way Speaker

Vented design with two 8-in woofers, one 3-in metal-dome midrange, and one 1-in metal-dome tweeter. Crossover points 400 Hz and 2,500 Hz; FR 28-30,000 Hz; sens 85 dB SPL/W/m; imp 6 ohms. Gray. 12 x 50 x 18 in; 140 lb \$5,000/pr

Veritas v1.8 3-Way Speaker

Vented design with two 6½-in woofers, 3-in metal-dome midrange, and 1-in metal-dome tweeter. Crossover points 400 Hz and 2,500 Hz; FR 31-25,000 Hz; sens 86.5 dB SPL/W/m; imp 6 ohms. Gray. 12 x 45 x 18 in; 115 lb \$3,000/pr

Model 22.3 2-Way Speaker

Front-vented design with two 6½-in woofers and ¾-in dual-hyperdome tweeter on Spherex baffle. Biwire/biamp terminals. Adjustable spiked feet. Power handling 150 W cont avg; FR 30-23,000 Hz; sens 87 dB SPL/W/m; imp 6 ohms. Walnut or high gloss finish. 10 x 40 x 16 in; 67 lb \$2,000/pr

Model 22.2 2-Way Speaker

Bass-reflex design with 7-in quadcentric woofer and ¾-in dual-hyperdome tweeter on Spherex baffle. Biwire/biamp terminals. Includes spiked metal stand. Power handling 125 W cont avg; FR 32-23,000 Hz; sens 86 dB SPL/W/m; imp 6 ohms. Walnut or high gloss finish. 10 x 27 x 12 in; 45 lb \$1,400/pr

Model 22.1 2-Way Bookshelf Speaker

Front-vented design with 6½-in quadcentric woofer and ¾-in dual-hyperdome tweeter on Spherex front baffle. Biwire/biamp 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

E-Series

Model 5.1e 2-Way Speaker

Front-vented design with two 7-in quadcentric woofers and one 1-in tweeter. Includes adjustable spiked feet. Power handling 150 W cont avg; FR 35-20,000

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S P E A K E R S

Hz \pm 3 dB; sens 89 dB; imp 6 ohms. Walnut or black-ash finish. 10 x 33 x 16 in. \$1,000/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

Model 3.1e 2-Way Bookshelf Speaker

Front-vented design featuring 8-in quadcentric woofer and $\frac{3}{4}$ -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

Model 2.1e. As above. 6 $\frac{1}{2}$ -in quadcentric woofer. Power handling 80 W cont avg; FR 45-20,000 Hz \pm 3 dB; sens 86 dB SPL/W/m. 10 x 16 x 10 in. \$300/pr

Model .1e 2-Way Bookshelf Speaker

5 $\frac{1}{4}$ -in woofer, $\frac{3}{4}$ -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

Encore 2-Way Bookshelf Speaker

Vented nondiffracting design with 6 $\frac{1}{2}$ -in injection-molded woofer and 1-in titanium-dome tweeter. Features foam woofer surround. Power handling 125 W cont avg; FR 48-20,000 Hz \pm 3 dB; sens 87.5 dB SPL/W/m; imp 6 ohms. Black ash, white, or rosewood finish. 13 x 8 x 10 in. \$200/pr

Excel. As above. power handling 75 W cont avg; FR 60-20,000 Hz \pm 3 dB; sens 86 dB SPL/W/m. 11 x 8 x 10 in. \$150/pr

EPITOME BY GC ELECTRONICS

The following feature weather resistance, a 5-yr warranty, and include mounting hardware. Rough-in brackets are available.

Model 3508 2-Way In-Wall Speaker

8-in polypropylene woofer, 1-in soft-dome tweeter. Power handling 50 W rms; FR 40-20,000 Hz; imp 8 ohms. 10 x 14 x 3 $\frac{3}{4}$ in. \$212

Model 3510 2-Way Bookshelf Speaker

5-in polypropylene woofer, $\frac{1}{2}$ -in horn tweeter. Power handling 30 W rms; FR 50-20,000 Hz; imp 4 ohms. White or black. 6 $\frac{1}{4}$ x 9 x 4 $\frac{3}{4}$ in. \$165

Model 3506 2-Way Wall Speaker

6 $\frac{1}{2}$ -in polypropylene woofer, 1-in soft-dome tweeter. Power handling 40 W rms; FR 50-20,000 Hz; imp 8 ohms. 8 $\frac{1}{2}$ x 12 x 3 in. \$155

Model 3500 2-Way Bookshelf Speaker

5 $\frac{1}{4}$ -in polypropylene woofer, 1-in soft-dome tweeter. Power handling 35 W rms; FR 50-20,000 Hz; imp 8 ohms. 7 $\frac{1}{2}$ x 11 x 2 $\frac{3}{4}$ in. \$125

Model 3526 2-Way In-Wall Speaker

6 $\frac{1}{2}$ -in polypropylene cone woofer, $\frac{1}{2}$ -in dome tweeter. Power handling 25 W rms; FR 65-20,000 Hz; imp 8 ohms. 8 x 8 x 2 $\frac{1}{4}$ in. \$105

EPOS

ES 14 2-Way Speaker

8-in woofer, aluminum tweeter. Features 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

ES 11 2-Way Bookshelf Speaker

6 $\frac{3}{8}$ -in polypropylene woofer, 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

FISHER

WS-638S Bookshelf Speaker

Acoustic-suspension design with 5 $\frac{1}{2}$ -in full-range driver. Power handling 30 W. 10 x 8 x 5 $\frac{1}{8}$ in. \$30

FOSGATE-AUDIONICS

SD 90 THX Dipolar Surround Speaker

Dual-drive design. Designed for rooms under 4,000 cubic feet. Sandpebble black or eggshell color. 14 x 11 x 6 in. \$699

CSS 200 THX Subwoofer

Ported design with 12-in cast frame driver. FR 28-100 Hz \pm 3 dB; sens 90.5 dB; imp 8 ohms. Sandpebble black finish. 20 x 18 x 21 in; 55 lb. \$599

CPS 200 THX. As above, with integral 200-W amp. Features ability to power and configure a two-subwoofer powered/slave system. \$1,299

MC 110 2-Way Satellite Speaker

Polypropylene cone woofer. Features design for coherent arrival time of sound from both drivers; edge-diffraction control. Power handling 1,000 W max; FR 75-23,000 Hz \pm 3 dB; imp 8 ohms. Sandpebble black finish. 7 $\frac{1}{2}$ x 11 x 5 $\frac{1}{2}$ in. \$449

THX-Certified Series

The following system and components can be purchased as a complete package for \$8,500.

MC 220 Surround Speaker System

3 satellites, each with 2 midbasses and 2 tweeters. Designed for use with FS200 subwoofer via active crossover or THX-certified processor/controller. Features 12-dB/oct crossovers. FR 60-22,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 4 ohms. 10 $\frac{1}{2}$ x 24 x 14 in; 40 lb. \$4,800

SD 180 Surround Speaker

Dipole design. Features THX certification. FR 80-18,000 Hz \pm 2 dB; sens 90 dB SPL/W/m. 14 x 22 x 8 $\frac{1}{2}$ in; 23 lb. \$1,850/pr

FS 400 Subwoofer

14-in driver. Frequency response 20-80 Hz \pm 3 dB; sens 92 dB sound-pressure level/watt meter; imp 8 ohms. 24 x 24 x 13 $\frac{1}{2}$ in; 85 lb. \$950

Architectural Speakers

LF-212 Subwoofer

12-in polypropylene driver. Features 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 $\frac{1}{4}$ -in polypropylene woofer, 1-in soft-dome tweeter. Features crossover with air-core inductors; auto-reset tweeter protection. Power handling 100 W; FR 75-22,000 Hz. 8 $\frac{1}{2}$ x 12 x 2 $\frac{3}{4}$ in. \$299/pr

AS-502 2-Way In-Wall Speaker

5 $\frac{1}{4}$ -in polypropylene woofer, $\frac{3}{4}$ -in Mylar-dome tweeter. Designed for home theater and multiroom systems. Features weather resistance. Power handling 75 watts; frequency response 85-18,000 Hz. Dimensions: 7 $\frac{1}{2}$ x 11 x 2 $\frac{1}{2}$ in. \$229/pr

FRIED PRODUCTS

Valhalla Subwoofer/Satellite System

Column-style transmission-line cabinet with 8-in dual-voice-coil subwoofer; 2 pyramid-shaped satellites, each with 6 $\frac{1}{2}$ -in transmission-line-loaded woofer and $\frac{3}{4}$ -in dome tweeter. Features 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. Subwoofer: 10 $\frac{1}{2}$ x 36 x 15 $\frac{1}{2}$ in. Satellite: 10 $\frac{1}{2}$ x 13 $\frac{1}{2}$ x 15 $\frac{1}{2}$ in. \$4,490

D/2 Subwoofer. As above, without satellites. Power handling 200 W cont avg. Oak or walnut finish. 10 $\frac{1}{2}$ x 36 x 15 $\frac{1}{2}$ in. \$2,746/pr

Studio V 3-Way Speaker

Transmission-line design with 8-in polypropylene woofer, 6 $\frac{1}{2}$ -in polypropylene midrange, and $\frac{3}{4}$ -in dome tweeter. Features vented woofer and midrange pole pieces. 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. \$3,595/pr

C/5 2-Way Bookshelf Speaker

Pyramid-shaped cabinet with 6 $\frac{1}{2}$ -in transmission-line-loaded woofer and $\frac{3}{4}$ -in dome tweeter. 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 $\frac{1}{2}$ x 13 $\frac{1}{2}$ x 15 $\frac{1}{2}$ in; 20 lb. \$1,744/pr

R/5 3-Way Speaker

10-in polypropylene woofer, 5 $\frac{1}{4}$ -in polypropylene midrange, and 1-in dome ferrofluid-damped tweeter. Features vented woofer and midrange pole pieces. 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 $\frac{1}{2}$ in; 56 lb. \$1,495/pr

A/5 2-Way Speaker

Vented design with 8-in polypropylene woofer and 1-in dome tweeter. Features multiple-layer damping. Power handling 100 W cont avg; FR 32-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. Walnut-veneer finish. 13 x 23 x 10 $\frac{1}{2}$ in. \$825/pr

Q/5 2-Way Speaker

Vented design 8-in polypropylene woofer and 1-in dome tweeter. Features multiple-layer damping. Power handling 100 W cont avg; FR 37-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. Walnut or black-ash vinyl. 10 $\frac{3}{4}$ x 20 x 9 in. \$599/pr

Beta V 2-Way Bookshelf Speaker

Aperiodic design with 6 $\frac{1}{2}$ -in polypropylene woofer and fluid-damped dome tweeter. Features 6-dB/oct crossover; vented woofer pole piece. Gold-plated 5-way binding posts. Power handling 100 W; crossover point 3,500 Hz; FR 60-20,000 Hz \pm 3 dB; sens 89 dB; imp 8 ohms. Black-ash or dark-oak finish. 5-yr limited warranty. 8 x 13 $\frac{1}{2}$ x 8 in. \$399/pr

GENESIS

Genesis III 5-Way Speaker

Two 8-in polypropylene woofers, two 3-in titanium/silicon carbide midranges, and one 1-in planar ribbon tweeter. Power handling 800 W max; crossover points 70, 250, 850, and 4,200 Hz; FR 32-34,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 4 ohms. Lacquered wood finish. 19 $\frac{1}{2}$ x 51 $\frac{1}{2}$ x 16 $\frac{1}{2}$ in; 145 lb. \$6,100

Genesis III. As above, piano-black finish. \$5,900

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 maximum; crossover points 560 and 4,100 Hz; frequency response 44-34,000 Hz; sensitivity 87 dB SPL/W/m; impedance 4 ohms. Italian rosewood finish. 75 lb. \$2,799

IM-8300F. As above, piano-black finish. \$2,599

IM-8200FW 2-Way Speaker

8-In polypropylene woofer, 1-in planar ribbon tweeter. Power handling 400 W maximum; crossover point 3,600 Hz; frequency response 52-34,000 Hz; sensitivity 86 dB SPL/W/m; impedance 4 ohms. Italian rosewood finish. 60 lb. \$2,199

IM-8200F. As above, piano-black finish. \$1,999

Servo-12 Subwoofer

12-in polypropylene/Kevlar driver; 275-W power amp. Features balanced differential inputs; variable phase (0-180 $^\circ$) and crossover point (40-160 Hz). Power handling 275 W. \$1,695

Servo-10. As above, 10-in driver, 150-W amp. \$895

IM-5200 2-Way Speaker

5-in polypropylene woofer, 1-in planar ribbon tweeter. Power handling 200 W max; crossover point 3,700 Hz; FR 77-34,000 Hz; sens 85 dB SPL/W/m; imp 4 ohms. Piano-black finish. 80 lb. \$900

Genre Series

Genre I 3-Way Speaker

6 $\frac{1}{2}$ -in poly/Kevlar woofer, 4 $\frac{1}{2}$ -in poly/Kevlar midrange, 1-in ribbon tweeter. FR 45-34,000 Hz \pm 2 dB. Black-ash or rosewood finish. \$1,300

S P E A K E R S

Genre II 2-Way Speaker

6½-in poly-Kevlar woofer, 1-in ribbon tweeter. FR 49-34,000 Hz ± 2 dB. Available in black-ash or rosewood finish. \$800

Genre III 2-Way Speaker

6½-in polycarbon woofer, ¾-in titanium-dome tweeter. FR 49-32,000 Hz ± 2 dB. Black-ash or rosewood finish. \$600

GOLD SOUND

All Gold Sound speakers feature an oak finish.

Model 1494 4-Way Speaker

Vented design with 18-in woofer, 10-in midbass, titanium-horn midrange, and biradial-horn tweeter. Features JBL drivers. Midrange and tweeter level controls. Power handling 600 W rms; crossover points 150, 1,200, and 5,000 Hz; FR 25-21,000 Hz ± 3 dB; sens 95 dB SPL/W/m; imp 8 ohms. 29 x 46 x 19 in. \$2,999/pr

Model 1094 3-Way Speaker

Vented design with 15-in JBL woofer, 6-in midrange, and 1-in soft-dome tweeter. Power handling 300 W rms; crossover points 200 and 5,000 Hz; FR 28-25,000 Hz ± 3 dB; sens 93 dB SPL/W/m; imp 8 ohms. 18 x 44 x 14 in. \$1,349/pr

Model 894 3-Way Speaker

Symmetrical array design with 12-in woofer, 6½-in midrange, and 1-in soft-dome tweeter. Power handling 600 W rms; crossover points 60, 200, and 3,000 Hz; FR 28-25,000 Hz; sens 98 dB SPL/W/m; imp 8 ohms. 18 x 44 x 14 in. \$1,299/pr

Model 9PRO + 3-Way Speaker

15-in JBL woofer, 7-in cast-frame midrange, and 1-in horn tweeter. Features ferrofluid cooling. Power handling 600 W; crossover points 400 and 5,000 Hz; FR 49-20,000 Hz ± 3 dB; sens 97 dB SPL/W/m; imp 8 ohms. 16 x 28 x 17 in. \$1,099/pr

Model 9PRO 3-Way Speaker

15-in JBL woofer, 6½-in cast-frame midrange, and 1-in linen-dome tweeter. Features ferrofluid cooling. Power handling 300 W; crossover points 300 and 5,000 Hz; FR 35-25,000 Hz ± 3 dB; sens 93 dB SPL/W/m; imp 8 ohms. 16 x 28 x 17 in. \$999/pr

Model 694 3-Way Speaker

Symmetrical array design with 12-in woofer, 6½-in midrange, and 1-in soft-dome tweeter. Power handling 200 W rms; crossover points 70, 150, and 3,000 Hz; FR 36-20,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. 14 x 37 x 11 in. \$999/pr

GS 218 JBL Subwoofer

Two 18-in JBL drivers. Power handling 1,200 W rms; imp 8 ohms. 29 x 46 x 19 in. \$969
GS 18 JBL. As above, single driver. Power handling 600 W rms. \$495

Model 794 3-Way Speaker

Symmetrical array design with 10-in woofer, 5¼-in midrange, and 1-in soft-dome tweeter. Power handling 400 W rms; crossover points 50, 200, and 3,000 Hz; FR 28-20,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. 18 x 44 x 14 in. \$929/pr

Model C 2-Way Speaker

Symmetrical array design with two 6½-in woofers and 1-in linen-dome tweeter. Features ferrofluid cooling. Power handling 300 watts rms; crossover point 3,000 Hz; frequency response 55-20,000 Hz; sensitivity 92 dB SPL/W/m; imp 8 ohms. Dimensions: 12 x 20 x 10 inches. \$749/pr

Model 594 3-Way Speaker

Symmetrical array design with 12-in woofer, 6½-in midrange, and 1-in metal-dome tweeter. Power handling 200 W rms; crossover points 70, 250, and 3,000 Hz; FR 35-20,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. 14 x 37 x 11 in. \$699/pr

Model 494 3-Way Speaker

Symmetrical array design with 10-in woofer, 4½-in midrange, and 1-in metal-dome tweeter. Power handling 200 W rms; crossover points 70, 250, and 3,000 Hz; FR 40-20,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. 14 x 25 x 11 in. \$629/pr

GS 215 JBL Subwoofer

Two 15-in JBL drivers. Power handling 600 W rms; imp 4/8 ohms. 44 x 18 x 14 in. \$598
GS 215. As above, driver not JBL. Power handling 400 W rms. \$368
GS 15 JBL. As GS 215 JBL, one driver. Power handling 300 W rms. \$315
GS 15. As GS 215, one driver. Power handling 200 W rms. \$188

Model 394 3-Way Speaker

Ported design with 12-in woofer, 5¼-in midrange, and 1-in linen-dome tweeter. Power handling 200 W rms; crossover points 80, 200, and 4,000 Hz; FR 38-25,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. 14 x 25 x 11 in. \$549/pr

Model B 2-Way Bookshelf Speaker

Sealed design with 6½-in Dynaudio woofer and 1-in linen-dome tweeter. Features ferrofluid cooling. Power handling 150 W rms; crossover point 3,000 Hz; FR 58-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. 10 x 16 x 8 in. \$479/pr

Model 294 3-Way Speaker

Ported design with 8-in woofer, 4-in midrange, and 1-in linen-dome tweeter. Power handling 100 W rms; crossover points 90, 200, and 4,000 Hz; FR 39-25,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 8 ohms. 12 x 19 x 10 in. \$449/pr

Model A 2-Way Bookshelf Speaker

Sealed design with 5¼-in Dynaudio woofer and ¾-in Dynaudio dome tweeter. Features ferrofluid cooling. Power handling 130 W rms; crossover point 3,000 Hz; FR 72-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. 8 x 12 x 7 in. \$329/pr

Model 8 2-Way Bookshelf Speaker

Symmetrical array design with two 4-in polypropylene woofers and 1-in metal-dome tweeter. Features ferrofluid cooling. Power handling 100 W; crossover point 3,500 Hz; FR 62-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. 8 x 16 x 7 in. \$299/pr

GS 212 JBL Subwoofer

Two 12-in JBL drivers. Power handling 300 W rms; FR 29-150 Hz ± 3 dB; imp 4/8 ohms. 44 x 18 x 14 in. \$219
GS 212. As above, one driver not JBL. Power handling 150 W rms. 18 x 18 x 16 in. \$119

Model 1 2-Way Speaker

Ported design with 8-in polypropylene woofer and 2-in tweeter. Features ferrofluid cooling. Power handling 100 W cont; crossover point 3,000 Hz; FR 41-20,000 Hz ± 3 dB; sens 93 dB SPL/W/m; imp 8 ohms. 12 x 19 x 10 in. \$149/pr

Model .6 2-Way Bookshelf Speaker

Sealed design with 6½-in polypropylene woofer and 1-in soft-dome tweeter. Features ferrofluid cooling. Power handling 60 W rms; crossover point 3,000 Hz; FR 58-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. 10 x 16 x 8 in. \$149/pr

Model .3 3-Way Bookshelf Speaker

5½-in polypropylene woofer, ¾-in dome tweeter. Power handling 100 W rms; crossover points 3,500 Hz; FR 60-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 4 ohms. 8 x 12 x 7 in. \$149/pr

Model .2 2-Way Bookshelf Speaker

Sealed design with 5¼-in polypropylene woofer and ¾-in dome tweeter. Features ferrofluid cooling. Power handling 60 W rms; crossover point 3,000 Hz; FR 68-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 8 x 12 x 7 in. \$109/pr

Performance Pro Speaker Kits

Pro Double JBL 18 3-Way Speaker Kit

Ported design with two JBL 18-in woofers, 10-in midrange, 8 x 10- and 5 x 5-in horn tweeters. Power handling 1,200 W rms; FR 29-21,000 Hz; sens 101 dB SPL/W/m; crossover points 200, 2,000, and 10,000 Hz; imp 4 ohms. \$1,949

Pro Double JBL 15 3-Way Speaker Kit

Ported design with two 15-in JBL woofers, 7-in midrange, 8 x 10- and 3 x 7-in horn tweeters. Power handling 1,200 W rms; crossover points 400 and 5,000 Hz; FR 38-21,000 Hz; sens 100 dB SPL/W/m; imp 4 ohms. 46 x 24 x 21 in. \$1,299
Pro JBL 15. As above, one woofer. Power handling 600 W rms; FR 39-21,000 Hz; sens 98 dB SPL/W/m; imp 8 ohms. 44 x 18 x 14 in. \$749

M15 JBL 15 3-Way Speaker Kit

15-in JBL woofer, 7-in midrange, and 3 x 7-in piezo horn tweeter. Power handling 600 W rms; crossover points 500 and 5,000 Hz; FR 39-21,000 Hz; sens 97 dB SPL/W/m; imp 8 ohms. 30 x 17 x 14 in. \$589

Pro JBL 12 2-Way Speaker Kit

12-in JBL woofer, 3 x 7 in plezo horn tweeter. Power handling 600 W rms; FR 45-21,000 Hz; sens 95 dB SPL/W/m; crossover point 3,000 Hz; imp 8 ohms. 20 x 16 x 15 in. \$329

AV Series

The following are magnetically shielded.

CAV 2-Way Speaker Kit

Two 6½-in Dynaudio polypropylene woofers and one 1-in dome tweeter. Features ferrofluid cooling. Power handling 300 W rms; crossover point 3,000 Hz; FR 44-20,000 Hz; sens 92 dB SPL/W/m; imp 4 ohms. 12 x 20 x 10 in. \$749/pr

BAV 2-Way Speaker Kit

6½-in Dynaudio polypropylene woofer, 1-in dome tweeter. Features ferrofluid cooling. Power handling 150 W rms; crossover point 3,000 Hz; FR 49-20,000 Hz; sens 89 dB SPL/W/m; imp 4/8 ohms. \$479/pr

Model .8AV 2-Way Speaker Kit

Two 5¼-in polypropylene woofers, 1-in dome tweeter. Features ferrofluid cooling. Power handling 140 W rms; crossover point 3,000 Hz; FR 41-20,000 Hz; sens 92 dB SPL/W/m; imp 4/8 ohms. 8 x 16 x 7 in. \$329/pr

Model .9AV 2-Way Speaker Kit

Two 6½-in polypropylene woofers and two 1-in dome tweeters. Features ferrofluid cooling. Power handling 160 W rms; crossover point 3,000 Hz; FR 39-20,000 Hz; sens 93 dB SPL/W/m; imp 4/8 ohms. \$239/pr

Model .6AV 2-Way Speaker Kit

6½-in polypropylene woofer, 1-in dome tweeter. Features ferrofluid cooling. Power handling 80 W; crossover point 3,000 Hz; FR 44-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. 10 x 16 x 8 in. \$169/pr

Model .2AV 2-Way Speaker Kit

5¼-in polypropylene woofer, ¾-in dome tweeter. Features ferrofluid cooling. Power handling 70 W; crossover point 3,000 Hz; FR 49-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. 8 x 12 x 7 in. \$129/pr

In-Wall Series

The following feature coaxial driver mounting.

Model 8AC 2-Way In-Wall Speaker

8-in polypropylene woofer, 2-in dome tweeter. Power handling 100 W rms; crossover point 2,000 Hz; FR 40-20,000 Hz ± 3 dB; imp 4/8 ohms. 11 x 11 x 3½ in. \$219

Model 6AC 2-Way In-Wall Speaker

6½-in woofer, ¾-in dome tweeter. Power handling 100 W rms; crossover point 3,000 Hz; FR 45-20,000 Hz ± 3 dB; imp 4/8 ohms. 6¾-in diameter x 3½-in depth. \$198

Model 8C 2-Way In-Wall Speaker

8-in woofer, 3/4-in polyimide-dome tweeter. Power handling 70 W rms; crossover point 3,000 Hz; FR 50-20,000 Hz ± 3 dB; imp 4/8 ohms \$159

GRADIENT**Gradient 1.3 3-Way Speaker**

Hybrid bass-reflex design with 8-in woofer, dipole 12-in midrange, and four 1 1/2-in tweeters in line-source array. Biwire/biamp terminals. Power handling 250 W; FR 45-20,000 Hz ± 2 dB; imp 4 ohms. 15 x 38 x 11 in; 22 lb \$2,500/pr

Avanti 2-Way Speaker

Bass-reflex design with 6 1/2-in polypropylene woofer and 3/4-in ferrofluid-cooled titanium-dome tweeter. Features 6-dB/oct crossover. Includes stands. Crossover point 3,000 Hz; FR 60-22,000 Hz ± 2 dB; sens 86 dB; imp 8 ohms. Black or white. 11 x 20 x 10 in; 20 lb \$1,250/pr

GUSS ENTERPRISES**Custom Monitor Speaker System**

Twenty-four 15-in woofers, forty-eight 5-in midranges, thirty-two 1-in tweeters, and 100 custom piezoelectric supertweeters among 8 enclosures. Power handling 900 W cont. 4 cabinets 60 x 72 x 24 in; 4 cabinets 20 x 72 x 14 in \$100,000

System 1-Guss Monitor Speaker System

Twelve 15-in woofers, twenty-four 5-in dual-diaphragm dome midranges, sixteen 1-in dome tweeters, and 50 custom piezoelectric supertweeters among 4 enclosures. Controls for midrange, tweeter, rear-ambience, satellite. Power handling 600 W; FR 15-30,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 6 ohms. Mahogany finish. 2 cabinets 38 x 72 x 24 in; 2 cabinets 20 x 72 x 14 in; 800 lb \$50,000

System 2C-Symphony Speaker System

Four 15-in woofers, six 5-in dual-diaphragm dome midranges, four 1-in dome tweeters, and 12 custom piezoelectric supertweeters among 4 enclosures. Controls for midrange, tweeter, 3-D Focus, rear-ambience, and satellite. Power handling 300 W; FR 20-30,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 4 ohms. Mahogany finish. 2 cabinets 22 x 54 x 20 in; 2 cabinets 8 x 25 x 8 in; 365 lb \$16,000

System 3-Concerto Speaker System

Four 12-in woofers, six 5-in dual-diaphragm dome midranges, four 1-in dome tweeters, and 8 custom piezoelectric supertweeters among 4 enclosures. Controls for midrange, tweeter, rear-ambience, and satellite. Power handling 300 W; FR 30-30,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 4 ohms. Mahogany finish. 2 cabinets 22 x 54 x 20 in; 2 cabinets 8 x 25 x 8 in; 355 lb \$10,000

System-5 Monitor Speaker System

Two 15-in woofers, two 5-in dual-diaphragm dome midranges, two 1-in dome tweeters, and 6 custom piezoelectric supertweeters among 4 enclosures. Controls for midrange, tweeter, and satellite. FR 25-30,000 Hz ± 3 dB; imp 4 ohms. Mahogany finish. 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

Two 12-in woofers, two 5-in dual-diaphragm dome midranges, two 1-in dome tweeters, and 6 custom piezoelectric supertweeters among 4 enclosures. Controls for midrange, tweeter, and satellite. Power handling 200 W; FR 30-30,000 Hz ± 4 dB; sens 90 dB SPL/W/m; imp 8 ohms. Mahogany finish. 2 cabinets 17 x 28 x 15 in; 2 cabinets 6 x 6 x 12 in \$5,000

HARMAN KARDON**Sixty 3-Way Speaker**

Ported design with two 8-in graphite/polypropylene woofers, 3-in midrange, and 3/4-in ferrofluid-cooled aluminum-alloy tweeter. Features aluminum voice-

coil formers; Linkwitz-Riley crossover. Power handling 200 W max; crossover points 500 Hz and 2,800 Hz; FR 30-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 6 ohms. 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 ferrofluid-cooled aluminum-alloy tweeter. Features Kapton voice-coil formers; Linkwitz-Riley crossover. Power handling 150 W max; crossover points 400 Hz and 2,500 Hz; FR 35-20,000 Hz ± 2 dB; sens 91 dB SPL/W/m; imp 6 ohms. Black piano-lacquer finish. 16 x 43 x 12 in \$2,198 pr

Forty 2-Way Speaker

Ported design with two 6 1/2-in woofers and one 1-in ferrofluid-cooled polyimide-dome tweeter. Features aluminum voice-coil formers; 24-dB/oct asymmetrical Butterworth crossover. Power handling 95 W max; crossover point 2,200 Hz; FR 40-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 6 ohms. Black piano-lacquer finish. 14 x 37 1/2 x 10 in; 52 lb \$1,398/pr

AVS30 Home Theater System

Two 2-way front satellites, one shielded 2-way center-channel speaker; two rear speakers; two subwoofers. FR 35-20,000 Hz ± 3 dB; sens 90 dB. 65 lb \$1,099

Thirty 2-Way Speaker

Ported design with 8-in polypropylene woofer and 1-in ferrofluid-cooled polyimide-dome tweeter. Features Kapton voice-coil formers; Linkwitz-Riley crossover. Power handling 85 W max; crossover point 2,200 Hz; FR 45-20,000 Hz ± 2 dB; sens 88 dB SPL/W/m; imp 6 ohms. Black piano-lacquer finish. 9 1/2 x 23 x 10 1/2 in; 57 lb \$898/pr

Model Three 3-Way Speaker

Ported design with 8-in down-firing polypropylene woofer, 6 3/8-in polypropylene midrange, and 3/4-in polycarbonate tweeter. Features design for frequency-independent dispersion; magnetic shielding. FR 45-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms. Black vinyl wrap. 8 1/2 x 35 3/8 x 10 3/8 in; 68 lb \$669/pr

Twenty 2-Way Speaker

Ported design with 6 1/2-in woofer and 3/4-in ferrofluid-cooled polyimide-dome tweeter. Features aluminum voice-coil formers; 24-dB/oct asymmetrical Butterworth crossover. Power handling 70 W max; crossover point 2,200 Hz; FR 50-20,000 Hz ± 2 dB; sens 87 dB SPL/W/m; imp 6 ohms. Black piano-lacquer finish. 8 1/2 x 19 x 10 in; 43 lb \$658/pr

Ten 2-Way Bookshelf Speaker

Ported design with 5 3/8-in woofer and 3/4-in ferrofluid-cooled polyimide-dome tweeter. Features aluminum voice-coil formers; 24-dB/oct asymmetrical Butterworth crossover. Power handling 50 W max; crossover point 3,300 Hz; FR 65-20,000 Hz ± 2 dB; sens 86 dB SPL/W/m; imp 6 ohms. Black piano-lacquer finish. 7 x 12 1/2 x 8 1/2 in; 24 lb \$458/pr

Model Two 2-Way Speaker

Ported design with 6 3/8-in polypropylene woofer and 3/4-in polycarbonate tweeter. Design for frequency-independent dispersion; magnetic shielding. FR 60-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 6 ohms. Black vinyl wrap. 8 1/2 x 19 x 8 1/2 in \$349/pr

Model One 2-Way Bookshelf Speaker

Ported design with 5 3/8-in polypropylene woofer and 1/2-in polycarbonate tweeter. Design for frequency-independent dispersion; magnetic shielding. FR 70-20,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 6 ohms. Black vinyl wrap. 7 x 12 1/2 x 6 1/4 in \$239/pr

CS5 Center-Channel Speaker

Tuned-port design with 2 drivers. Features magnetic shielding. FR 75-20,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. Black vinyl wrap. 17 1/2 x 5 1/2 x 8 in; 18 lb \$179

HARMONIC PRECISION**Echelon 3-Way Speaker**

8 1/2-in woofer, 2-in metal-dome midrange, 1-in metal-dome tweeter. Features midrange tweeter array mounted on phase-coherent baffle. Power handling 200 W max; crossover points 7,500 and 1,400 Hz; FR 39-20,000 Hz; sens 90 dB; imp 6/8 ohms. 5-yr warranty. 10 1/2 x 45 x 13 1/2 in; 65 lb \$1,795/pr

Model 1 s.c. 2-Way Speaker

6 1/2-in woofer, 1-in metal-dome tweeter. Power handling 100 W max; crossover point 2,700 Hz; frequency response 47-20,000 Hz; sensitivity 88 dB; impedance 6/8 ohms. 5-yr warranty. Dimensions: 9 1/2 x 15 1/2 x 9 1/2 (top), 14 1/2 (bottom) in \$695/pr

HARTLEY**The Reference 4-Way Speaker**

24-in woofer, 10-in midrange, and two 7-in tweeters. Power handling 300 W cont avg; crossover points 125, 3,000, and 8,000 Hz; frequency response 16-25,000 Hz; impedance 5-8 ohms. Wood cabinet. Dimensions: 36 x 50 1/4 x 24 in \$7,295/pr
The Concertmaster. As above, 18-in woofer. 29 x 41 1/2 x 18 in \$6,095/pr

The Reference Tower 2-Way Speaker

Four 6 1/2-in thermoplastic woofers, four 1-in dome tweeters. Power handling 300 W cont avg; crossover point 3,600 Hz; FR 24-25,000 Hz; imp 4 ohms. Wood cabinet. 17 1/2 x 44 1/2 x 18 in \$1,500/pr

Mini-Tower. As above, two woofers, one tweeter. Power handling 150 W cont; crossover point 3,100 Hz; FR 32-25,000 Hz \$695/pr

The Compact Reference. As Mini Tower, power handling 100 W cont avg, crossover point 5,000 Hz, FR 25-45,000 Hz, imp 8 ohms. 13 1/2 x 17 1/2 x 13 1/2 in \$400/pr

Subwoofers

The following feature cabinets with a 3/4-in cellulose internal lining and oak and walnut veneers.

SW-24 Subwoofer

Infinite-baffle enclosure. Power handling 300 W cont avg; FR to 16 Hz ± 3 dB; imp 5 ohms. 36 x 50 1/4 x 22 in; 250 lb \$1,495

SW-18 Subwoofer

Infinite-baffle enclosure. Power handling 300 W cont avg; FR to 16 Hz ± 4 dB; imp 5 ohms. 29 x 41 1/2 x 18 in; 150 lb \$1,100

SW-10 Subwoofer

Air-column enclosure. Power handling 100 W cont avg; FR to 25 Hz ± 3 dB; imp 6 ohms. 18 x 24 x 18 in; 70 lb \$550

HECO**Libero Subwoofer/Satellite System**

Bass-reflex subwoofer with two 7-in drivers; 2 satellites, each with 4 1/4-in midrange and 3/4-in dome tweeter. Features die-cast satellite cabinets. Power handling 60 W cont avg; crossover points 120 and 3,000 Hz; FR 28-30,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Black or white. Subwoofer: 22 x 8 3/8 x 13 1/4 in. Satellite: 4 3/8 x 7 1/4 x 4 3/8 in \$649

Legato Satellite. As above, satellite only. Power handling 50 W cont avg; crossover point 3,000 Hz; FR 80-30,000 Hz \$299/pr

Superior Series

The following feature biwire/biamp terminals.

Concerto Grosso 3-Way Speaker

Three 8 7/8-in woofers, two 6 3/4-in polypropylene midranges, and 3/4-in aluminum-manganese dome tweeter. Features hexagon-shaped cabinet. Power handling 250 W cont avg; crossover points 150 and 2,900 Hz; FR 16-35,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Walnut, oak, black, white, or piano veneered finish. 18 3/8 x 64 1/4 x 16 1/8 in \$4,999/pr

S P E A K E R S

Fortissimo 950 3-Way Speaker

Two 9-in woofers, two 5-in midranges, and ¾-in dome tweeter. Power handling 160 W cont avg; crossover points 290 and 3,000 Hz; FR 20-35,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms. Walnut or oak veneer finish in black or white. 11½ x 48 x 13½ in \$1,999/pr

Forto 850 3-Way Speaker

Two 9-in woofers, 5-in midrange, ¾-in dome tweeter. Power handling 140 W cont avg; crossover points 290 and 3,000 Hz; FR 24-35,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Walnut or oak veneer finish in black or white. 11½ x 42 x 13½ in \$1,699/pr

Presto 750 3-Way Speaker

Two 7-in woofers, 5-in midrange, ¾-in dome tweeter. Power handling 120 W cont avg; crossover points 290 and 3,000 Hz; FR 28-35,000 Hz; sens 88 dB; imp 4 ohms. Walnut or oak veneer finish in black or white. 9¾ x 38 x 10¾ in \$1,395/pr

Cantata 550 3-Way Speaker

7-in woofer, 7-in midrange, and ¾-in dome tweeter. Power handling 110 W cont avg; crossover points 120 and 3,000 Hz; FR 29-35,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Walnut veneer or black-ash finish. 9¾ x 34 x 10¾ in \$1,095/pr

Allegro 350 3-Way Bookshelf Speaker

6¾-in woofer, 6¾-in midrange, ¾-in dome tweeter. Power handling 90 W cont avg; crossover points 120 and 3,000 Hz; FR 32-35,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Walnut veneer or black-ash finish. 9¼ x 20 x 9½ in \$799/pr

Concertino 250 2-Way Bookshelf Speaker

7-in woofer, ¾-in dome tweeter. Power handling 80 W cont avg; crossover point 3,000 Hz; FR 35-35,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Walnut veneer or black-ash finish. 9¼ x 16 x 9½ in \$599/pr

Interior Series

Reflex 35 2-Way Speaker

Two 7-in woofers, ¾-in metal-dome tweeter. Power handling 110 W cont avg; crossover points 150 and 4,000 Hz; FR 29-30,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. 9¾ x 34¼ x 10¾ in \$799/pr

Reflex 25 3-Way Bookshelf Speaker

9-in woofer, 5-in midrange, ¾-in metal-dome tweeter. Power handling 90 W continuous average; crossover points 400 and 4,000 Hz; frequency response 32-30,000 Hz; sensitivity 90 dB SPL/W/m; impedance 4 ohms. 11¼ x 20¾ x 11¼ in \$699/pr

Reflex 20 2-Way Bookshelf Speaker

Two 10¾-in woofers, ¾-in metal-dome tweeter. Power handling 80 W cont avg; crossover point 4,000 Hz; FR 35-30,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. 9 x 20 x 9¾ in \$499/pr

Reflex 10 2-Way Bookshelf Speaker

10¾-in woofer, ¾-in metal-dome tweeter. Power handling 60 W cont avg; crossover point 4,000 Hz; FR 42-30,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms. 8¾ x 12¾ x 9 in \$349/pr

HEYBROOK

The following feature a limited 5-yr warranty.

HB-33-3-Way Speaker

Acoustic-suspension design with 10-in doped-cone woofer, 4½-in doped-cone midrange, and ¾-in soft-dome tweeter. Biwire/triwire terminals. Power handling 200 watts; frequency response 35-20,000 Hz ± 3 decibels. Walnut or black-ash finish. Dimensions: 13¾ x 25 x 11¾ inches \$1,598/pr

HB-200 2-Way Bookshelf Speaker

Dual-reflex tuned enclosure with 6½-in woofer and metal-dome tweeter. Power handling 100 W; FR 34-22,000 Hz; sens 88 dB; 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 6½-in woofer and metal-dome tweeter. Power handling 100 W; FR 40-22,000 Hz; sens 88 dB; 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; imp 8 ohms. Black or woodgrain finish. 11 x 19 x 10 in \$649/pr

Solo 2-Way Bookshelf Speaker

Infinite-baffle design with 6½-in woofer and metal-dome tweeter. Power handling 75 W; frequency response 45-24,000 Hz; sensitivity 87 dB; impedance 6 ohms. Dimensions: 9 x 16 x 9 in \$449/pr

Point Five 2-Way Bookshelf Speaker

Infinite-baffle design with 6½-in doped-cone woofer and ¾-in dome tweeter. Power handling 75 W; FR 50-20,000 Hz; sens 87 dB; imp 6 ohms. 9 x 14 x 9 in \$329/pr

HSU RESEARCH

HRSW212 Subwoofer

Push-pull design with two 12-in drivers. Features 24-dB/oct Linkwitz-Riley crossover. Power handling 300 W max; FR 16-100 Hz ± 1 dB; imp 4 ohms. Rosewood finish. 90-in height x 21-in diameter; 100 lb \$5,000/pr

HRSW10 Subwoofer

Ported design with 10-in driver. Features cylindrical enclosure; 2-in driver voice coil; 12-dB/octave low-pass crossover at 40 Hz. Includes demo CD. Power handling 150 W max; FR 20-40 Hz ± 1 dB; imp 7 ohms. Walnut finish. 27-in height x 14½-in diameter; 23 lb \$800-\$1,000/pr

HRSW12. As above, 12-in driver. 82-in height x 13½-in diameter; 35 lb \$1,600/pr

HUGHES

Orb-2 2-Way Satellite Speaker

5-in fiber woofer, ¾-in silk tweeter. Features patented wide-dispersion baffle for 180° lateral dispersion; ABS enclosure; magnetic shielding. Power handling 100 W max; crossover point 2,000 Hz; FR 55-22,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 4 ohms. Gray. 7 x 10 x 10 in \$319/pr

Orb-1. As above, ½-in polycarbonate tweeter. Crossover point 4,500 Hz; FR 65-22,000 Hz ± 3 dB; sens 88 dB SPL/W/m \$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; imp 4 ohms. Gray. 11 x 15 x 23 in \$379

ICON ACOUSTICS

The following are available factory-direct with a 30-day in-home audition. Prices includes shipping and handling. They feature crossovers with polypropylene and polystyrene capacitors and gold-plated 5-way biwire/biamp binding posts.

Icon Micron 2-Way Speaker

7-in woofer, 1-in metal-dome tweeter. Power handling 200 W cont avg; crossover point 1,500 Hz; FR 40-35,000 Hz + 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. Cherry or birdseye maple finish. 15 x 18 x 22 in; 50 lb \$4,995/pr

Icon Parsec II 3-Way Speaker

Graphite-impregnated 10-in woofer, 6½-in polypropylene midrange, 1-in metal-dome tweeter. Features AudioQuest internal wiring. Power handling 350 W cont avg; crossover points 350 and 1,500 Hz; FR 25-22,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Walnut, cherry, natural-oak, or black-oak finish. 12 x 47 x 16 in; 98 lb \$1,995/pr

Icon Joule 2-Way Speaker

8-in woofer, 1-in metal-dome tweeter. Features AudioQuest internal wiring. Power handling 250 W cont avg; crossover point 1,500 Hz; FR 32-22,000 Hz + 3 dB; sens 88 dB SPL/W/m; imp 8 ohms. Walnut, cherry, natural-oak, or black-oak finish. 11 x 44 x 11 in; 70 lb \$1,495/pr

Icon Lumen SE 2-Way Bookshelf Speaker

6½-in polypropylene woofer, 1-in metal-dome tweeter. Power handling 150 W cont avg; crossover point 1,500 Hz; FR 55-22,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Walnut, oak, or black-oak finish. 9½ x 18 x 10½ in; 26 lb \$995/pr

Icon Lumen. As above, AudioQuest internal wiring \$795/pr

INCUS

GFS-12 3-Way Speaker

12-in polypropylene woofer, 5-in midrange, 2½-in cone tweeter. Power handling 150 W max; crossover points 1,800 and 5,000 Hz; frequency response 30-22,000 Hz; sens 92 SPL/W/m; imp 8 ohms. Black. 14¾ x 25 x 10½ in \$380

GFS-8 2-Way Speaker

Acoustic-suspension design with one 8-in shielded woofer and one ¾-in liquid-cooled polycarbonate-dome tweeter. Power handling 125 W max; crossover point 3,500 Hz; FR 45-21,000 Hz; imp 8 ohms. 9¾ x 16¾ x 9¼ in \$360/pr

GFS-SUB Subwoofer

4th-order vented design with two 6½-in drivers. Power handling 250 W; crossover point 120 Hz; FR 36-150 Hz; imp 6 ohms. 21 x 12¾ x 10¾ in \$290/pr

GFS-6II 2-Way Bookshelf Speaker

Acoustic-suspension design with 6½-in shielded woofer and ¾-in polycarbonate dome tweeter. Features magnetic shielding. Power handling 100 W max; crossover point 4,500 Hz; FR 56-20,000 Hz; imp 8 ohms. 8 x 12 x 8½ in \$260/pr

IFS-650 2-Way Bookshelf Speaker

6½-in polycarbonate woofer, soft-dome tweeter. Features protection circuitry. Power handling 70 W; imp 8 ohms. 7½ x 11 x 2¾ in \$250/pr

GFS-5 2-Way Bookshelf Speaker

Bass-reflex design with 5¼-in woofer and ¾-in liquid-cooled polycarbonate-dome tweeter. Features magnetic shielding. Power handling 100 W max; crossover point 5,000 Hz; FR 56-20,000 Hz; imp 8 ohms. 6¾ x 11¾ x 9 in \$230/pr

IFS-525 2-Way Bookshelf Speaker

5¼-in polycarbonate woofer, 1-in soft-dome tweeter. Power handling 70 W; crossover point 3,500 Hz; imp 8 ohms. 7½ x 11 x 2¾ in \$200

INFINITY

EMIT refers to Infinity's proprietary planar tweeter with a Kapton diaphragm and push-pull neodymium magnets. EMIM refers to Infinity's proprietary planar midrange with a Kapton diaphragm, an aluminum voice coil, and push-pull neodymium magnets. EMIT-R refers to Infinity's proprietary circular planar Kapton tweeter. IMG refers to Infinity's proprietary Injection Molded Graphite driver design, which incorporates polypropylene and graphite.

SSW-212 Powered Subwoofer

Two 12-in IMG drivers; 300-W amp. Designed for horizontal, vertical, or corner placement. Features servo control; fuse protection. Gold-plated line-level inputs; speaker-level inputs. Variable level control. Amp output power 300 W x 1 rms; crossover point variable from 40-120 Hz; FR 25-120 Hz. Black-oak vinyl or honey-oak veneer finish. 5-yr transferable warranty. 31½ x 20¼ x 11¼ in \$1,598

SSW-210. As above, 10-in drivers, 250-W amp. FR 30-120 Hz. 26 x 18¾ x 9¾ in \$1,098

S P E A K E R S

Video 1 Center-Channel Speaker

Acoustic-suspension design with two 5/4-in polypropylene woofers and one 1/2-in ferrofluid-cooled polycarbonate tweeter. Magnetic shielding. Power handling 100 W rms; crossover point 4,500 Hz; FR 58-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. Black-pica finish. 18 1/4 x 7 x 5 1/2 in. . . \$189

IRS Series

IRS Series V Reference Powered Speaker System
Modular 4-piece, 3-way design. 2 subwoofers, each with six 12-in drivers 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- and 12 rear-facing). Features Monster Cable internal wiring. Variable low-pass filters; woofer phase switch and level controls; selectable midrange/tweeter input control; switchable bass servo. Includes 100-ft midrange/tweeter connecting cable. Midrange/tweeter power handling 500 W/ch; crossover points 70 and 5,000 Hz; FR 16-44,000 Hz \pm 2 dB; sens 87 dB SPL/W/m; imp 4 ohms. Oiled Brazilian rosewood or Santos finish. Subwoofers: 20 3/4 x 90 x 28 3/4 in. Midrange/tweeter modules: 47 x 90 x 17 in. . . \$60,000

IRS Epsilon Signature 4-Way Speaker

12-in IMG woofer, planar-magnetic midrange, mid-bass coupler, two EMIT tweeters. Features servo woofer control; 24-dB/oct crossovers. Tweeter and midrange level controls. Power handling 250 W; crossover points 150, 500, and 3,000 Hz; FR 25-35,000 Hz \pm 1.5 dB; sens 86 dB; imp 4 ohms. Polished-rosewood or black-lacquer finish. 18 x 59 x 15 in; 150 lb. . . \$10,000/pr

Crescendo Series

CS 3009 4-Way Speaker

Ported design with two 10-in IMG woofers, one 6 1/2-in IMG midbass, one 5-in IMG midrange, and one EMIT-R tweeter. Crossover points 300, 1,000, and 3,000 Hz; FR 40-35,000 Hz \pm 3 dB; sens 87 dB; imp 6 ohms. Oak veneer cabinet. . . \$1,999/pr

CS 3008. As above, one woofer. FR 45-45,000 Hz \pm 3 dB. . . \$1,599/pr

CS 3007 3-Way Speaker

Ported design with two 8-in IMG woofers, one 5-in IMG midrange, and one EMIT-R tweeter. Crossover points 450 and 3,000 Hz; frequency response 50-35,000 Hz \pm 3 dB; sensitivity 87 dB; impedance 6 ohms. Oak veneer cabinet. . . \$1,199/pr

CS 3006. As above, one woofer. FR 55-35,000 Hz \pm 3 dB; sens 86 dB. Oak veneer cabinet. . . \$899/pr

Renaissance Series

Renaissance 90 4-Way Speaker

10-in IMG dual-voice-coil woofer, 6-in IMG midbass, EMIM midrange in transmission-line subenclosure, and EMIT tweeter. Features die-cast aluminum woofer frame; inverted woofer dust cap; rounded corners. Gold-plated biamp/biwire binding posts. Power handling 400 W rms; crossover points 200, 600, and 3,000 Hz; FR 27-45,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 4 ohms. Blonde-oak, black-ash, or black-lacquer finish. 17 1/4 x 49 x 12 1/2 in. . . \$1,599

Renaissance 80 3-Way Speaker

8-in IMG dual-voice-coil woofer, EMIM midrange in transmission-line subenclosure, and EMIT tweeter. Features die-cast aluminum woofer frame; inverted woofer dust cap; rounded corners. Gold-plated biamp/biwire binding posts. Power handling 350 W rms; crossover points 550 and 3,000 Hz; FR 35-45,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 4 ohms. Blonde-oak, black-ash, or black-lacquer finish. 15 x 41 3/4 x 11 1/8 in. . . \$999

Kappa Series

Kappa 8.1 4-Way Speaker

Impedance-matching aperiodic-reflex design with 12-in IMG woofer, 6 1/2-in IMG midbass, polypropylene-dome midrange, and EMIT-R tweeter. Features nonparallel sides; rounded front corners; 3-in midrange voice coil; rear midrange waveguide; circuit-

breaker tweeter protection; adjustable tilting feet. Gold-plated 5-way biwire/biamp binding posts. Midrange and tweeter level controls. Power handling 300 W rms; crossover points 180, 700, and 4,700 Hz; FR 32-35,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 6 ohms. Honey- or black-oak finish. 16 1/2 x 48 1/4 x 12 in. . . \$1,100

Kappa 7.1 3-Way Speaker

Ported design with 10-in IMG woofer, polypropylene-dome midrange, and EMIT-R tweeter. Features nonparallel sides; rounded front corners; 3-in midrange voice coil; circuit-breaker tweeter protection; adjustable tilting feet. Gold-plated 5-way biwire/biamp binding posts. Midrange and tweeter level controls. Power handling 250 W rms; crossover points 500 and 4,500 Hz; FR 39-35,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 6 ohms. Honey- or black-oak finish. 5-yr transferable warranty. 14 1/2 x 43 3/8 x 10 1/4 in. . . \$799

Kappa 6.1. As above, 8-in woofer. Power handling 200 W rms; FR 45-35,000 Hz \pm 2 dB. 12 1/4 x 38 x 9 1/4 in. . . \$629

Kappa Video 2-Way Surround-Sound Speaker

Tuned cabinet with two 5 1/4-in IMG woofers, EMIT-R tweeter. Designed for center or rear channel in home theater system. Features magnetic shielding; crossover with polypropylene capacitors and OFC wiring. Gold-plated inputs. Adjustable angle. Wall- and ceiling-mount brackets optional. Power handling 150 W rms; crossover point 4,000 Hz; FR 90-35,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 6 ohms. Honey-oak veneer with solid-oak end panels or black. 8 1/8 x 20 3/4 x 6 3/8 in. . . \$400

Reference Standard Series

The following are available with a West Hills Oak or black-ash finish.

RS 12 Powered Subwoofer

Ported design with 12-in IMG driver; 150-W amp. Features servo control; 12-dB/oct high-pass passive crossover; 18-dB/oct low-pass crossover; auto-power-limiting circuitry; ability to simultaneously power small satellite speakers. Line- and speaker-level inputs. Auto turn-on/off via audio-signal sensing; input-level control; 100/240-V operation at 50/60 Hz. Crossover point 100 Hz high-pass, variable from 50-200 Hz low-pass; FR 35-200 Hz \pm 3 dB. 16 1/2 x 16 1/2 x 17 1/4 in. . . \$999

RS 10. As above, 10-in driver, 100-W amp. FR 40-200 Hz \pm 3 dB. 13 3/8 x 13 3/8 x 13 in. . . \$779

RS 425 2-Way Speaker

6 1/2-in IMG woofer, 3/4-in ferrofluid-cooled polypropylene tweeter, 6 1/2-in IMG passive radiator. Power handling 150 W rms; crossover point 3,100 Hz; FR 58-25,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 6 ohms. 9 3/8 x 22 1/2 x 11 1/4 in. . . \$459

RS 625 2-Way Speaker

8-in IMG woofer, 1-in ferrofluid-cooled polypropylene tweeter, two 8-in IMG passive radiators. Power handling 200 W rms; crossover point 2,800 Hz; FR 40-25,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 6 ohms. 10 3/4 x 37 x 12 3/8 in. . . \$359

RS 525. As above, 6 1/2-in woofer and passive radiators. Power handling 150 W rms; FR 52-25,000 Hz \pm 3 dB. 9 1/2 x 32 x 12 3/8 in. . . \$299

RS 325 2-Way Bookshelf Speaker

6 1/2-in IMG woofer, 3/4-in ferrofluid-cooled polypropylene tweeter. Power handling 150 W rms; crossover point 3,300 Hz; FR 65-25,000 Hz \pm 3 dB; sens 92 dB; imp 6 ohms. 8 7/8 x 16 7/8 x 10 3/8 in. . . \$319/pr

RS Video 2-Way Surround Speaker

One 5 1/4-in IMG woofer on each side of one 1-in ferrofluid-cooled polypropylene tweeter. Designed for center or rear channel in home theater system. Features magnetic shielding. Adjustable rear leg. Wall and ceiling mounts optional. Power handling 150 W rms; crossover point 2,200 Hz; FR 100-25,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. 18 3/4 x 7 x 6 1/4 in. . . \$299

RS 225 2-Way Bookshelf Speaker

6 1/2-in IMG woofer, 1/2-in ferrofluid-cooled polycarbonate tweeter. Power handling 75 W rms; crossover point 3,000 Hz; FR 70-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 6 ohms. 8 7/8 x 14 1/4 x 7 7/8 in. . . \$249/pr

RS 125 2-Way Bookshelf Speaker

5 1/4-in polypropylene woofer, 1/2-in ferrofluid-cooled polycarbonate tweeter. Power handling 60 W rms; crossover point 4,500 Hz; FR 74-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 6 ohms. 7 1/2 x 11 3/8 x 6 7/8 in. . . \$199/pr

Infinitesimal Series

Micro II Subwoofer/Satellite System

Subwoofer with two 6 1/2-in polypropylene drivers in tuned enclosure with internal port; 2 cylindrical satellites, each with 4 1/2-in polypropylene woofer and 1/2-in polycarbonate tweeter. Weather resistance; magnetic satellite shielding. Subwoofer: power handling 100 W rms; FR 40-150 Hz; sens 90 dB SPL/W/m; imp 6 ohms. Satellite: power handling 100 W rms; crossover point 5,000 Hz; FR 150-25,000 Hz; sens 90 dB SPL/W/m; imp 6-8 ohms. Black-pica subwoofer finish; black or white satellites. Subwoofer: 9 1/4 x 15 1/2 x 15 1/4 in. Satellite: 5 1/2-in diameter x 8-in height. \$779

Satellite only. . . \$179

Infinitesimal Subwoofer

Ported design with 10-in IMG driver. Crossover point variable from 50-200 Hz; FR 40-200 Hz \pm 3 dB; sens 90 dB. Black vinyl finish. 13 x 13 x 13 in. . . \$648

Infinitesimal Four 2-Way Satellite Speaker

Ported design with 5 1/4-in woofer and EMIT-R tweeter. Features magnetic shielding. Power handling 80 W rms; crossover point 5,000 Hz; FR 100-40,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 6 ohms. Black. 6 x 9 1/2 x 6 7/8 in. . . \$429/pr

Wall brackets. . . \$79/pr

Infinitesimal Video 2-Way Speaker

Center channel. Ported design with two 5 1/4-in midranges and one EMIT-R tweeter. Power handling 80 W; crossover point 5,000 Hz; FR 100-40,000 Hz \pm 3 dB; sensitivity 90 dB; impedance 6 ohms. Black. Dimensions: 14 x 6 x 5 in. . . \$299

Studio Monitor Series

The following, except for SM 62, are available in walnut or black-pica vinyl finishes. Woofers and midranges are polypropylene-coated cones. Tweeters are air-filled polypropylene foam domes.

SM 152 3-Way Speaker

Ported design with one 15-in woofer, two 4 1/2-in midranges, and one 1-in tweeter. Features rounded edges; auto-reset circuit breaker. Midrange and tweeter level controls. Power handling 300 W; crossover points 500 and 5,500 Hz; FR 44-25,000 Hz \pm 3 dB; sens 102 dB SPL/W/m; imp 8 ohms. 17 3/4 x 40 x 12 1/2 in. . . \$599

SM 122 3-Way Speaker

Ported design with 12-in woofer, 4 1/2-in midrange, and 1-in tweeter. Features auto-reset circuit breaker. Midrange and tweeter level controls. Power handling 200 W; crossover points 750 and 5,500 Hz; FR 49-25,000 Hz \pm 3 dB; sens 100 dB SPL/W/m; imp 8 ohms. 14 3/4 x 35 1/4 x 12 1/2 in. . . \$449

SM 82 2-Way Bookshelf Speaker

Ported design with 8-in woofer and 1-in tweeter. Features auto-reset circuit breaker. Power handling 125 W; crossover point 2,800 Hz; FR 72-25,000 Hz \pm 3 dB; sens 98 dB SPL/W/m; imp 8 ohms. 11 1/4 x 18 x 10 1/2 in. . . \$438/pr

SM 112 3-Way Speaker

Ported design with 10-in woofer, 4 1/2-in midrange, and 1-in tweeter. Features auto-reset circuit breaker. Tweeter level control. Power handling 175 W; crossover points 900 and 5,500 Hz; FR 59-25,000 Hz \pm 3 dB; sens 100 dB SPL/W/m; imp 8 ohms. 13 1/2 x 30 x 12 1/2 in. . . \$369

A photograph of a Klipsch home theater system set up in a theater. The system includes a large center channel speaker, two powered subwoofers, and two rear channel speakers. The theater has blue seats and a stage with a wooden floor. The background is a dark wall with a large screen and decorative elements.

KLIPSCH HOME THEATER TAKES CENTER STAGE.

HEAR IT. FEEL IT. SEE IT.

Because home theater has to be **experienced** to be believed, we've created a unique home theater audio/video demonstration that challenges **all** of your senses. The dynamic sound reproduction of a Klipsch Audio and Home Theater system includes the all important center channel speaker, the most vital element in the reproduction of a state-of-the-art movie soundtrack.

The *center channel speaker* places the dialogue of a movie soundtrack on the screen, the way they do in theaters, and bridges the movement of sound between the *left and right front channels*. Optimum home theater performance is directly linked to center channel performance, because the *center channel* reproduces the majority of front channel information. Other elements of a complete home theater audio system are the *powered subwoofer*, which reproduces rumbling low bass frequencies, and the *left and right rear channels*, which are used to steer sound from the front to the back, and from the back to the front, of the listening area. What's more, the six speakers that make up a Klipsch Audio and Home Theater system are sonically matched, surrounding you in the excitement of a real motion picture experience.

For the name of the nearest authorized Klipsch dealer who can show you the sights and sounds of true home theater with the new Klipsch audio/video demonstration, call 1-800-KLIPSCH.

 **Klipsch**
The Legend Continues...

S P E A K E R S

SM 62 2-Way Bookshelf Speaker

Ported design with 6½-in polypropylene-coated woofer and ¾-in polypropylene-dome tweeter. Auto-reset circuit breaker. Power handling 100 W rms; crossover point 5,000 Hz; FR 78-25,000 Hz ±3 dB; sens 94 dB; imp 8 ohms. Black, walnut, or rosewood vinyl finish. 8 x 13¼ x 8 in. \$278/pr

SM 102 2-Way Bookshelf Speaker

Ported design with 10-in woofer and 1-in tweeter. Features auto-reset circuit breaker. Power handling 150 W; crossover point 3,300 Hz; FR 65-25,000 Hz ±3 dB; sens 100 dB SPL/W/m; imp 8 ohms. 12 x 21 x 12 in; 68 lb. \$249

SL Series

SL 50 2-Way Speaker

8-in polypropylene woofer, ¾-in ferrofluid-cooled tweeter, two 8-in passive radiators. Crossover point 3,300 Hz; FR 40-20,000 Hz ±3 dB; sens 92 dB; imp 6 ohms. West Hills Oak vinyl finish. 11 x 38 x 12 in; 40.5 lb. \$594/pr

SL Micro Subwoofer/Satellite System

Ported subwoofer with 8-in dual-voice-coil driver; 2 sealed satellites, each with one 3½-in polypropylene-coated paper midrange and one ½-in polycarbonate tweeter. Subwoofer: 50-150 Hz ±3 dB. Satellite: power handling 50 W; FR 150-22,000 Hz ±3 dB. Sens 87 dB; imp 6 ohms. Subwoofer: 20 x 8 x 12 in; 24 lb. Satellite: 5 x 8 x 5 in; 4 lb. Black vinyl finish. \$399

SL 40 2-Way Speaker

6½-in polypropylene woofer, ¾-in ferrofluid-cooled tweeter, 8-in polypropylene passive radiator. Crossover point 3,300 Hz; FR 52-20,000 Hz ±3 dB; sens 92 dB; imp 6 ohms. West Hills Oak vinyl finish. 11 x 31 x 12 in; 32.5 lb. \$378/pr

SL 30 2-Way Bookshelf Speaker

Ported design with 6½-in polypropylene woofer and ¾-in ferrofluid-cooled polycarbonate tweeter. Crossover point 3,300 Hz; FR 65-20,000 Hz ±3 dB; sens 92 dB; imp 6 ohms. West Hills Oak vinyl finish. 11 x 18 x 9 in; 19.5 lb. \$278/pr

SL 20 2-Way Bookshelf Speaker

6½-in polypropylene woofer, ½-in ferrofluid-cooled polycarbonate tweeter. FR 70-20,000 Hz ±3 dB; crossover point 3,500 Hz; sens 90 dB. West Hills Oak vinyl finish. 9 x 14 x 7 in. \$198/pr

SL 10. As above, 5¼-in woofer. FR 74-20,000 Hz ±3 dB; crossover point 4,500 Hz. West Hills Oak or black-ash vinyl finish. 8 x 12 x 6 in; 9 lb. \$158/pr

Environmental Reference Standard Series

The following feature glass-filled ABS construction, resistance to heat and humidity, and a paintable grille.

ERS 820 2-Way In-Wall Speaker

8-in IMG woofer, EMIT-N planar tweeter. Tweeter level control. Power handling 75 W rms; crossover point 3,800 Hz; FR 50-45,000 Hz ±3 dB; sens 85 dB; imp 4 ohms. 11½ x 15½ x 3¾ in. \$580/pr

ERS 620 2-Way In-Wall Speaker

6-in IMG woofer, ¾-in polypropylene-dome tweeter. Tweeter level control. Power handling 60 W rms; crossover point 3,800 Hz; FR 60-22,000 Hz ±3 dB; sens 85 dB SPL/W/m; imp 4 ohms. 8¾ x 12¾ x 3¼ in. \$340/pr

ERS 520 2-Way In-Wall Speaker

5¼-in IMG woofer, ¾-in polycarbonate tweeter. Power handling 40 W rms; crossover point 6,000 Hz; FR 75-22,000 Hz ±3 dB; sens 85 dB SPL/W/m; imp 4 ohms. 8 x 8 x 3 in. \$250/pr

ERS 420 In-Wall Speaker

4-in IMG full-range driver. Power handling 30 W rms; FR 90-15,000 Hz ±3 dB; sens 85 dB SPL/W/m; imp 4 ohms. 7 x 7 x 2¾ in. \$180

Sterling Series

SS 2005 3-Way Speaker

Sealed design with 8-in IMG woofer, 5-in IMG midrange, and 1-in polypropylene tweeter. Crossover points 400 and 3,500 Hz; FR 40-25,000 Hz ±3 dB; sens 90 dB; imp 6 ohms. Black vinyl finish. 11 x 22 x 12 in; 51 lb. \$559/pr

SS 2004 2-Way Speaker

Sealed design with 8-in IMG woofer and 1-in polypropylene tweeter. Crossover point 3,000 Hz; FR 47-25,000 Hz ±3 dB; sens 90 dB; imp 6 ohms. Black vinyl finish. 11 x 33 x 9 in; 35 lb. \$429/pr

SS 2003. Bookshelf version of above. FR 50-25,000 Hz ±3 dB. 11 x 18 x 9 in; 20.5 lb. \$329/pr

SS 2002 2-Way Bookshelf Speaker

Sealed design with 6½-in polypropylene woofer and ½-in polycarbonate tweeter. Crossover point 3,500 Hz; FR 70-20,000 Hz ±3 dB; sens 90 dB; imp 6 ohms. Black vinyl finish. 9 x 14 x 8 in. \$219/pr

SS 2001. As above, 5¼-in woofer. Crossover point 4,500 Hz; FR 74-20,000 Hz ±3 dB. 6 x 12 x 6 in; 9 lb. \$159/pr

ISLAND

Islander Light 2-Way Outdoor Speaker

6½-in woofer, 1-in dome tweeter. FR 55-20,000 Hz ±5 dB; sens 89 dB SPL/W/m; imp 4 ohms. Black. 7 x 31 x 7 in; 25 lb. \$1,650/pr

Islander 2-Way Outdoor Speaker

6½-in woofer, 1-in dome tweeter. FR 55-20,000 Hz ±5 dB; sens 89 dB SPL/W/m; imp 4 ohms. Black. 7 x 27 x 7 in; 20 lb. \$1,095/pr

JACKSON

AU-6 3-Way Speaker

Critically damped slot-loaded design with 6½-in woofer, 1-in aluminum-dome tweeter, ½-in polycarbonate-dome supertweeter, and 8-in passive radiator. Features radially pyramidal-shaped enclosure; 26-element crossover with impedance compensation. FR 48-20,000 Hz ±3 dB; sens 87 dB SPL/W/m. Black or white. 28 lb. \$1,849/pr

AU-33 3-Way Bookshelf Speaker

5¼-in woofer, 1-in polyimide-dome tweeter, ½-in polycarbonate-dome supertweeter. Features radially pyramidal-shaped enclosure; 17-element crossover with impedance compensation. FR 85-20,000 Hz ±3 dB; sens 87 dB SPL/W/m. Black or white. 7½ x 13½ x 4¼ in; 10.5 lb. \$949/pr

AU-20 Subwoofer

Critically damped slot-loaded design with 10-in driver and 15-in passive radiator. Features radially slanted enclosure; crossover self-adjusting to 125 Hz for AU-3 or 90 Hz for AU-6. FR 0-33 Hz ±3 dB; sens 90 dB SPL/W/m. Black or white. \$929

JAMO

Oriel 3-Way Speaker

Twin-coupled-cavity design with two 8¼-in woofers, one 6½-in honeycomb midrange, and one 1-in soft-dome tweeter. Features overload protection; 6-dB/oct crossover slopes; Isoda internal wiring; concrete base; twin-alloy support spikes. Gold-plated inputs. Power handling 70 W cont avg; crossover points 100 and 3,000 Hz; FR 20-22,000 Hz ±3 dB; sens 87 dB SPL/W/m; imp 6 ohms. Smoked glass and plastic finish trimmed with cherry wood. 16 x 70 x 12 in; 159 lb. \$9,000/pr

Model 707 3-Way Speaker

Bass-reflex design with two 8-in woofers, two 5-in midranges, and one 1-in dome tweeter. Features overload protection. Gold-plated inputs. Twin-alloy spikes; rubber feet. Power handling 200 W cont avg; crossover points 150 and 3,000 Hz; FR 35-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black or mahogany finish. 10 x 41 x 15 in; 51 lb. \$1,500

Model 507 3-Way Speaker

Bass-reflex design with two 6½-in woofers, two 4-in midranges, and one 1-in soft-dome tweeter. Features overload protection. Gold-plated inputs. Power handling 150 W cont avg; crossover points 150 and 3,000 Hz; FR 40-22,000 Hz ±3 dB; sens 88 dB SPL/W/m; imp 8 ohms. Black or mahogany finish. 9 x 37 x 4 in; 42 lb. \$1,200/pr

Model 407 3-Way Bookshelf Speaker

Bass-reflex design with 6½-in woofer, 1-in midrange, and 1-in dome tweeter. Features overload protection. Power handling 80 W cont avg; crossover points 3,000 and 10,000 Hz; FR 45-20,000 Hz ±3 dB; sens 88 dB SPL/W/m; imp 8 ohms. Black or mahogany finish. 9 x 16 x 10 in; 15 lb. \$700/pr

Model 307 2-Way Bookshelf Speaker

Bass-reflex design with 5¼-in woofer and 1-in dome tweeter. Features overload protection. Power handling 70 W continuous average; crossover point 3,000 Hz; frequency response 50-20,000 Hz; sensitivity 87 dB SPL/W/m; Impedance 8 ohms. Black or mahogany finish. 7 x 12 x 10 in; 11 lb. \$500/pr

BX-200 3-Way Speaker

Bass-reflex design with 12-in woofer, 3-in midrange, and 1-in horn tweeter. Features overload protection. Gold-plated binding posts. Power handling 250 W cont avg; crossover points 2,000 and 3,000 Hz; FR 30-20,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. Black. 17 x 28 x 13 in; 39 lb. \$349

Indoor/Outdoor 2-Way Satellite Speaker

Bass-reflex design with 5¼-in woofer and ¾-in dome tweeter. Designed for wall mounting. Power handling 60 W cont avg; crossover point 4,000 Hz; FR 70-20,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. Black or white. 8 x 11 x 5 in; 4.5 lb. \$300/pr

BX-150 3-Way Speaker

Bass-reflex design with 10-in woofer, 3-in midrange, and 1-in horn tweeter. Features overload protection. Gold-plated binding posts. Power handling 150 W cont avg; crossover points 2,300 and 5,000 Hz; FR 35-20,000 Hz; sens 92 dB SPL; imp 8 ohms. Black. 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; crossover points 2,500 and 5,000 Hz; FR 35-20,000 Hz; sens 92.5 dB SPL/W/m; imp 8 ohms. Black or white finish. 10¾ x 33¼ x 10¼ 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; crossover points 2,500 and 5,000 Hz; sens 92.5 dB SPL/W/m; imp 8 ohms. Black or white. 10¾ x 21¾ x 10¼ in; 25 lb. \$249

BX-100 3-Way Speaker

Bass-reflex design with 8-in woofer, 3-in midrange, and 1-in horn tweeter. Features overload protection. Gold-plated binding posts. Power handling 100 W cont avg; crossover points 2,000 and 4,200 Hz; FR 40-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Black. 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; crossover point 3,500 Hz; FR 40-20,000 Hz; sens 92 dB; imp 8 ohms. Black or white. 10¾ x 18¼ x 10¼ in; 18 lb. \$199

Compact 1000 3-Way Bookshelf Speaker

8-in woofer, 3½-in midrange, 1-in dome tweeter. Power handling 90 W cont avg; crossover points 1,200 and 4,000 Hz; FR 65-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. Black or white. 9¾ x 14¾ x 8¾ in; 11 lb. \$129

PURE PERFORMANCE



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CELESTION

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S P E A K E R S

Outdoor 2-Way Satellite Speaker

4-in polypropylene woofer, 3/4-in polypropylene-dome tweeter. Features water and heat resistance. Power handling 50 W cont avg; crossover point 4,500 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black or white. 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, 1-in dome tweeter. Power handling 70 W cont avg; crossover point 2,500 Hz; FR 70-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Black or white. 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, 3/4-in dome tweeter. Power handling 60 W continuous average; crossover point 3,000 Hz; frequency response 75-20,000 Hz; sensitivity 89 decibels sound-pressure level/watt/meter; impedance 8 ohms. Black or white. 6 x 10 x 7 3/4 in; 7 lb \$99

M6 3-Way Bookshelf Speaker

Bass-reflex system with 5-in woofer, 2-in midrange, and 3/4-in tweeter. Power handling 60 W cont avg; crossover points 4,000 and 8,000 Hz; FR 65-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Black or white. 7 3/8 x 11 7/8 x 8 1/2 in; 7 lb \$99

Subwoofer Series

SW-600 Powered Subwoofer

Bass-reflex design with two 10-in woofers; 100-W rms amp. Features overload protection; onboard control box with phase, volume, and on/off controls. Crossover point variable from 80-150 Hz; FR 30-150 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Smoked-glass top with black-ash stained wood. 16 x 21 x 13 in; 55 lb \$995

SW-500 Subwoofer/Satellite System

Bass-reflex subwoofer with two 10-in drivers; 2 satellites, each with 4-in midrange and 3/4-in tweeter. Features dual adjustable subwoofer ports; satellite overload protection. Power handling 140 W cont avg subwoofer, 50 W satellite; crossover points 200 and 3,500 Hz; FR 30-200 Hz subwoofer, 80-20,000 Hz satellite; sens 90 dB SPL/W/m; imp 8 ohms. 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

SAT-500. Satellites only \$298/pr

SW-300 Subwoofer/Satellite System

Bass-reflex subwoofer with two 8-in drivers; 2 satellites, each with 4-in polypropylene woofer and 3/4-in polypropylene-dome tweeter. Features push-pull subwoofer-driver configuration. 24-karat gold-plated screw terminals. Bass level control. Includes satellite mounting kit. Power handling 100 W continuous average subwoofer, 50 W satellite; crossover points 200 and 3,500 Hz; frequency response 30-200 Hz subwoofer, 80-20,000 Hz satellite; sensitivity 90 dB SPL/W/m; impedance 8 ohms. Black or white. Subwoofer: 8 1/2 x 13 1/4 x 18 1/8 in; 30 lb. Satellite dimensions: 5 7/8 x 8 x 3 in; 3 lb \$699

SW-300. Subwoofer only

SAT-300. Satellites only \$249/pr

SW-100 Subwoofer/Satellite System

Bass-reflex subwoofer with two 6 1/2-in woofers; 2 satellites, each with 4-in woofer and 2-in cone tweeter. Features push-pull subwoofer-driver configuration. Includes satellite mounting kit. Power handling 100 W cont avg subwoofer, 50 W satellite; crossover points 200 and 4,500 Hz; frequency response 35-200 Hz subwoofer, 80-20,000 Hz satellite; sens 90 dB SPL/W/m; imp 8 ohms. Black or white. Subwoofer dimensions: 13 3/8 x 7 7/8 x 18 1/8 in; 29 lb. Satellite dimensions: 5 1/4 x 7 7/8 x 3 1/4 in \$499

SW-100. Subwoofer only

S-100. Satellites only \$198/pr

Jamo Compact Subwoofer/Satellite System

Subwoofer with two 6 1/2-in drivers; 2 satellites. Black \$299

Rear Surround Speaker. Designed for use with above. Black \$49

Lifestyle Series

Atmosphere 2-Way Wall Speaker

Bass-reflex design with 5 1/4-in woofer and 1-in dome tweeter. Combined with switchable halogen light. Features overload protection. Includes 360°-rotating wall bracket. Power handling 60 W cont avg; crossover point 3,000 Hz; FR 40-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Black or white. 10 1/2 x 14 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, 1-in dome tweeter. Features magnetic oil in tweeter air gap. Includes foot spikes. Power handling 80 W cont avg; crossover points 300 and 4,000 Hz; FR 47-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black or white. 9 3/4 x 4 8 1/4 x 6 5/8 in; 22 lb \$399

Graphic 2-Way Bookshelf Speaker

Bass-reflex design with 5 1/4-in woofer and 1-in dome tweeter. Overload protection. Power handling 35 W cont avg; crossover point 3,000 Hz; FR 40-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Smoked glass enclosure. 15 x 17 x 3 in \$299

Art 2-Way Surround Speaker

Bass-reflex design with 5 1/4-in woofer, 1-in impregnated textile-dome tweeter. Designed for wall mounting in home theater systems. Features computer-optimized 12-dB/oct crossover; 1-piece front baffle; stiff internal bracing. Includes support beam for floor standing. Power handling 60 W cont avg; crossover point 3,000 Hz; FR 40-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Black or white lacquer finish. 13 7/8 x 15 7/8 x 3 1/2 in; 11 lb \$249

Converta 2-Way Wall Speaker

Dish-shaped hanging/wall-mount design with 4-in woofer and 2-in tweeter. Includes wall/table fittings and tuning ball joint. Power handling 50 W cont avg; crossover point 2,500 Hz; FR 80-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black, white-steel, pink, mint-green, or violet. 4.5 lb \$199

Center 100 2-Way Center-Channel Speaker

Bass-reflex design with two 4-in woofers and one 1-in dome tweeter. Features overload protection; aluminum shielded cabinet. Power handling 40 W cont avg; crossover point 3,000 Hz; FR 40-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 17 x 6 1/2 x 4 in; 12.5 lb \$190

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; crossover points 1,500 and 4,000 Hz; FR 40-20,000 Hz; sens 91 dB SPL/W/m; imp 6 ohms. Black. 11 x 34 x 10 1/8 in; 22 lb \$219

Cornet 70 3-Way Speaker

Bass-reflex design with two 6 1/2-in woofers and one 1-in soft-dome tweeter. Power handling 90 W cont avg; crossover points 400 and 3,000 Hz; FR 43-20,000 Hz; sens 90 dB; imp 6 ohms \$199

Cornet 60 3-Way Bookshelf Speaker

Bass-reflex design with 6 1/2-in woofer, 3-in midrange, and 1-in soft-dome tweeter. Power handling 80 W cont avg; crossover points 1,500 and 5,000 Hz; FR 47-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black. 9 x 15 1/4 x 8 5/8 in; 13.2 lb \$149

Cornet 50 2-Way Speaker

Bass-reflex design with 6 1/4-in woofer and 1-in soft-dome tweeter. Power handling 80 W cont avg; crossover points 1,500 and 5,000 Hz; FR 47-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black \$139

Cornet 40 2-Way Speaker

Bass-reflex design with 5 1/4-in woofer and 1-in soft-dome tweeter. Power handling 60 W cont avg; cross-

over point 3,000 Hz; FR 50-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Black \$99

JASCO

Mini Speakers

Designed for portable systems and components.

HE + 493 Powered Mini Speaker

3-in full-range driver. Bass boost; LED power indicator; volume control. Operates on 4 C batteries. Includes aux jack for use with AC adaptor. FR 100-15,000 Hz; imp 8 ohms \$31

HE + 489 2-Way Mini Speaker

Four 2 1/2-in drivers. On/off switch; volume control. Uses AC or battery power \$30

HE + 491 Powered Mini Speaker

Four 2 1/4-in full-range drivers; built-in amp/EQ. LED on/off indicator. Operates on 4 C batteries. Includes jack for AC adaptor. FR 100-15,000 Hz \$22

HE + 488 Powered Mini Speaker

2 1/4-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; LED on/off indicator. Operates on 2 AA batteries. FR 300-18,000 Hz; imp 8 ohms \$12.89

HE + 416 Mini Speaker

1 1/4-in driver. Features cassette compartment; mini plug. FR 300-18,000 Hz; imp 8 ohms \$7.79

HE + 490 Mini Speaker

2 1/4-in driver. FR 100-15,000 Hz; sens 90 dB; imp 8 ohms \$7.19

JBL

Synthesis Three Home Media System

2 shielded subwoofers, each with one 12-in driver; 2 shielded wedge-shaped front-channel speakers, each with two 6-in midranges, titanium-dome tweeter, and compression horn; choice of horizontal non-THX or vertical THX shielded center-channel speaker; 2 dipole surround speakers, each with one horn on front and one horn on back; one 75 W x 2 amp for surround speakers; one bridgeable 75 x 2 amp for center channel; one 150 x 2 amp for subwoofers; one 150 x 2 amp for LR front speakers; THX surround processor with Dolby Pro Logic and THX modes; EQ/control package; interconnect package; 4-plug power sequencer to turn on amps sequentially; remote control. Features cinema mode engaging two 6-in drivers and horn of front-channel speakers; music mode engaging one 6-in driver and titanium-dome tweeter of front-channel speakers. Black-ash finish \$19,500

Synthesis Three Cinema THX Speaker Package. 2 subwoofers, 2 surround speakers, and 3 center-channel speakers as described above \$7,800

HT Series Home Theater System

Two subwoofers, each with one 12-in driver; 3 satellites; 2 dipole surround speakers. Features THX certification; pure-titanium tweeters with diamond surround; polymer-laminate midbasses and woofers; magnetic shielding. Power handling 100 W. Subwoofer: sens 91 dB; imp 6 ohms. Satellites: sens 87 dB; imp 8 ohms. Surround: sens 87 dB; imp 6 ohms. Subwoofer: 21 1/2 x 25 1/4 x 17 1/8 in; 62 lb. Satellites: 17 1/2 x 10 x 8 1/2 in; 21 lb. Surround: 13 7/8 x 9 1/4 x 7 3/4 in; 16 lb \$3,000

Model 250 TIBQ 4-Way Speaker

14-in woofer, 8-in midbass, 5-in polypropylene midrange, 1-in titanium tweeter. Power handling 400 W continuous average; crossover points 350, 1,200, and 5,000 Hz; sensitivity 89 dB SPL/W/m; impedance

S P E A K E R S

6 ohms. Black-lacquer finish. Dimensions: 22½ x 52 x 14¼ inches; 126 lb \$2,499

B460 Subwoofer

18-in driver. Power handling 800 W max. Hand-ollod American black-walnut finish \$2,150

L7 4-Way Speaker

12-in aquaplas woofer, 8-in midbass, 5-in mineral-filled polypropylene midrange, and 1-in titanium-dome tweeter. Power handling 450 watts; frequency response 30-27,000 Hz; sensitivity 91 decibels; impedance 6 ohms. Black-ash veneer finish. Dimensions: 9½ x 46 x 17½ inches; weight: 75 pounds \$975

PS120 Powered Subwoofer

12-in driver; 100-W amp. Features magnetic shielding; variable crossover. Line- and speaker-level inputs. Variable input gain; switchable polarity; auto turn-off. FR 23-250 Hz. Black vinyl finish. 15¼ x 19¼ x 9½ in; 36 lb \$679

L5 4-Way Speaker

8-in woofer, 6½-in midbass, 5-in mineral-filled polypropylene midrange, 1-in titanium-dome tweeter. Power handling 350 W; FR 35-27,000 Hz; sens 90 dB; imp 6 ohms. Black-ash veneer finish. 9½ x 36½ x 13 in; 54 lb \$665

PS100 Powered Subwoofer

10-in driver; 50-W amp. Features magnetic shielding; variable crossover. Line- and speaker-level inputs. Variable input gain; switchable polarity; auto turn-off. FR 30-250 Hz. Black vinyl finish. 13¾ x 17½ x 9½ in; 32 lb \$549

PS60. As above, 6½-in driver. FR 32-250 Hz. 11 x 14 x 7¼ in; 19 lb \$449

L3 2-Way Speaker

8-in woofer, 1-in titanium-dome tweeter. Power handling 250 W; FR 35-27,000 Hz; sens 89 dB; imp 8 ohms. Black-ash veneer finish. 9½ x 32½ x 12 in; 37 lb \$445

LX600 3-Way Bookshelf Speaker

10-in polymer-laminate woofer, 5-in polymer-laminate midrange, 1-in titanium-dome tweeter. Power handling 200 W; FR 40-23,000 Hz - 6 dB; sens 91 dB; imp 8 ohms. Black vinyl finish. 12½ x 26¼ x 12¼ in; 39 lb \$429

S-4 2-Way In-Wall Speaker

6½-in polymer-laminate woofer, 1-in pure-titanium dome tweeter. Includes mounting frame and hardware. Power handling 100 W; FR 125-22,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. 8¾ x 12 x 3½ in; 16 lb \$329/pr

S-4SPK2. As above, without mounting frame or hardware \$229/pr

LX500 3-Way Bookshelf Speaker

8-in polymer-laminate woofer, 5-in polymer-laminate midrange, 1-in titanium-dome tweeter. Power handling 150 W; FR 45-23,000 Hz - 6 dB; sens 90 dB; imp 8 ohms. Black vinyl finish. 10½ x 23½ x 12¾ in; 34 lb \$319

L1 2-Way Bookshelf Speaker

6½-in woofer, 1-in titanium-dome tweeter. Power handling 200 W; FR 47-27,000 Hz; sens 87 dB; imp 8 ohms. Black-ash veneer finish. 8½ x 15½ x 10 in; 16.5 lb \$300

LX440 2-Way Speaker

8-in polymer-laminate woofer, 1-in pure-titanium dome tweeter. Power handling 150 W max; sens 90 dB; imp 8 ohms. Black vinyl finish. 10½ x 21 x 12¾ in; 30 lb \$259

S-3 2-Way In-Wall Speaker

5¼-in polymer-laminate woofer, 1-in pure-titanium dome tweeter. Includes mounting frame and hardware. Power handling 100 W; FR 125-22,000 Hz; sens 86 dB SPL/W/m; imp 4 ohms. 7¼ x 10½ x 3½ in; 14 lb \$249/pr

S-3SPK2. As S-3, without mounting frame or hardware \$219/pr

LX300 2-Way Bookshelf Speaker

6½-in polymer-laminate woofer, 1-in titanium-dome tweeter. Power handling 125 W; FR 50-23,000 Hz - 6 dB; sens 90 dB; imp 8 ohms. Black vinyl finish. 9¼ x 16 x 9½ in; 18 lb \$198

SC305 2-Way Center-Channel Speaker

Two 5-in polymer-laminate woofers, ½-in titanium-dome tweeter. Features magnetic shielding. Power handling 100 W max; sens 87 dB; imp 8 ohms. Black vinyl finish. 6¾ x 20 x 7 in; 14 lb \$179

J2080 2-Way Bookshelf Speaker

8-in polymer-laminate woofer, ½-in titanium-dome tweeter. Power handling 125 W; FR 40-23,000 Hz - 6 dB; sens 89 dB; imp 8 ohms. Oak vinyl finish. 11 x 22½ x 10 in; 20 lb \$169

J2060 2-Way Bookshelf Speaker

6½-in polymer-laminate woofer, ½-in titanium-dome tweeter. Power handling 100 W; FR 45-23,000 Hz - 6 dB; sens 89 dB; imp 8 ohms. Oak vinyl finish. 9 x 17 x 8½ in; 12 lb \$129

J2050 2-Way Bookshelf Speaker

5¼-in polymer-laminate woofer, ½-in titanium-dome tweeter. Power handling 80 W; FR 70-23,000 Hz - 6 dB; sens 88 dB; imp 8 ohms. Oak vinyl finish. 8 x 12¼ x 6½ in; 8 lb \$99

J2045 2-Way Bookshelf Speaker

5¼-in polymer-laminate woofer, ½-in titanium-laminate dome tweeter. Power handling 80 W max; sens 87 dB; imp 8 ohms. Oak vinyl finish \$69

ProPerformer Series

The following feature magnetic shielding, are black, and include mounting brackets.

Pro III Plus Subwoofer/Satellite System

Subwoofer with 8-in dual-voice-coil polymer-laminate driver; 2 satellites, each with 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 \$659

Pro VIII 2-Way Bookshelf Speaker

6½-in polymer-laminate woofer, 1-in titanium-dome tweeter. Features die-cast polypropylene-foam enclosure. Power handling 150 W max; sens 90 dB; imp 6 ohms. 9½ x 15 x 9½ in \$429/pr

Pro III 2-Way Bookshelf Speaker

5-in polymer-laminate woofer, 1-in titanium-dome tweeter. Die-cast polypropylene-foam enclosure. Power handling 100 W; FR 65-27,000 Hz; sens 87 dB; imp 4 ohms. 6¼ x 9¼ x 5½ in \$299/pr

ProPerformer Satellite Speaker

4½-in treated-fiber full-range driver. Includes mounting hardware. Power handling 60 W; FR 100-18,000 Hz; sens 88 dB; imp 6 ohms. 6 x 6¼ x 5½ in; 4 lb \$199/pr

A/VP3 2-Way Center-Channel Speaker

5-in polymer-laminate woofer, 1-in titanium-dome tweeter. Features die-cast polypropylene-foam enclosure. Includes wall-mounting accessories. Power handling 100 W; FR 65-27,000 Hz; sens 87 dB; imp 4 ohms. 6¼ x 9¼ x 5½ in; 12.5 lb \$169

Prose Series

The following feature a tuned-port enclosure, a vapor-deposited titanium-dome tweeter, and a walnut vinyl finish.

P50 3-Way Speaker

8-in woofer, 5-in midrange, 1-in tweeter. Features separate internal chambers for woofer and midrange. Power handling 120 W; FR 42-20,000 Hz ± 6 dB; sens 91 dB; imp 6 ohms. 10½ x 37½ x 12¾ in; 36.3 lb \$450

P40 3-Way Bookshelf Speaker

10-in woofer, 5-in midrange, 1-in tweeter. Features separate internal chambers for woofer and midrange. Power handling 100 W; FR 47-20,000 Hz ± 6 dB; sens 89 dB; imp 8 ohms. 12¼ x 23½ x 12½ in; 26 lb \$325

P30 3-Way Bookshelf Speaker

8-in woofer, 5-in midrange, 1-in tweeter. Power handling 80 W; FR 50-20,000 Hz ± 6 dB; sens 89 dB; imp 8 ohms. 10¼ x 21¼ x 10½ in; 20 lb \$225

P20 2-Way Bookshelf Speaker

6½-in woofer, 1-in tweeter. Power handling 60 W; FR 55-20,000 Hz ± 6 dB; sens 88 dB; imp 6 ohms. 9¼ x 15 x 8½ in; 12.1 lb \$135

P10 2-Way Bookshelf Speaker

5¼-in woofer, ½-in tweeter. Power handling 50 W; FR 70-20,000 Hz ± 6 dB; sens 87 dB; imp 6 ohms. 7½ x 12¼ x 8¾ in; 8 lb \$99

JENSEN

Model 3152 3-Way Speaker

Bass-reflex design with 15-in woofer, 5-in cone midrange, and 3-in cone tweeter. Features ferrofluid cooling. Power handling 80 W cont avg; FR 33-21,000 Hz; sens 94 dB SPL/W/m; imp 8 ohms. Hickory finish. 18½ x 32 x 11½ in \$399/pr

Model 3080 3-Way Speaker

Bass-reflex design with two 8-in woofers and 3-in cone tweeter. Features ferrofluid cooling. Power handling 60 W cont avg; FR 43-21,000 Hz; sens 91 dB SPL/W/m; imp 6-8 ohms. Hickory or oak finish. 10½ x 38½ x 13 in \$349/pr

Model 3122 3-Way Speaker

Bass-reflex design with 12-in woofer, 5-in cone midrange, and 3-in cone tweeter. Features ferrofluid cooling. Power handling 60 W cont avg; FR 43-21,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Hickory or oak finish. 15½ x 29 x 9¾ in \$260/pr

Model 3103 3-Way Speaker

10-in woofer, 5-in cone midrange, 3-in ferrofluid-filled cone tweeter. Power handling 50 W cont avg; FR 48-21,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Hickory finish. 13 x 26 x 10½ in \$160/pr

JPS45 2-Way Powered Mini Speaker

3-in woofer and 2-in tweeter; 10 W x 1 cont avg amp. Designed for pocket stereo, computers, or multimedia. Features magnetic shielding. Power, volume, bass, and treble controls; LED display. Operates on 14 V DC power. Includes adaptor. Gray \$149/pr

JPS35. As above, 3½-in woofer, no tweeter. 5 W x 2 cont avg amp \$99/pr

Model 2652 2-Way Bookshelf Speaker

6½-in woofer, 3-in ferrofluid-filled cone tweeter. Power handling 50 W cont avg; FR 55-21,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Hickory or oak finish. 11 x 15 x 6 in \$129

Model 1525 2-Way Indoor/Outdoor Speaker

5¼-in polypropylene woofer, 2-in poly-cone tweeter. Features weather-resistant polystyrene enclosure. Mounting bracket optional. Power handling 30 W cont avg; FR 80-20,000 Hz ± 3 dB; sens 89 dB; imp 8 ohms. Black. 10½ x 6½ x 5½ in; 10 lb \$129/pr

CS Series

CS315 3-Way Speaker

Bass-reflex design with 15-in woofer, 5-in cone midrange, and 3-in cone tweeter. Features ferrofluid cooling. Power handling 80 W cont avg; FR 33-

Abbreviations used within
this buyers' guide are
explained on page 215.

S P E A K E R S

21,000 Hz; sens 94 dB SPL/W/m; imp 8 ohms. Oak finish. 17½ x 34 x 11¼ in; 35½ lb \$399/pr

CS308 2-Way Speaker

Bass-reflex design with two 8-in woofers and one 3-in cone tweeter. Features ferrofluid cooling. Power handling 60 W cont avg; FR 43-21,000 Hz; sens 91 dB SPL/W/m; imp 6-8 ohms. Oak finish \$349

CS312 3-Way Speaker

Bass-reflex design with 12-woofer, 5-in cone midrange, and 3-in tweeter. Features ferrofluid cooling. Power handling 60 W cont avg; FR 43-21,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Black-ash or oak finish. 14¼ x 31½ x 9¾ in; 28½ lb \$260/pr

CS310 3-Way Speaker

10-in woofer, 5-in cone midrange, and 3-in tweeter. Power handling 50 W cont avg; FR 48-21,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black-ash or oak finish. 12½ x 28 x 9½ in \$160/pr

CS265 2-Way Bookshelf Speaker

6½-in woofer, 3-in cone tweeter. Features ferrofluid cooling. Power handling 50 W cont avg; FR 55-21,000 Hz; sens 90 dB SPL/W/m; Black-ash or oak finish. 9 x 16½ x 6½ in \$129/pr

CS225 2-Way Center-Channel Speaker

Two 5-in woofers, 2-in cone tweeter. Features magnetic shielding. Power handling 50 W cont avg; FR 70-20,000 Hz ± 3 dB; sens 94 dB; imp 8 ohms. 17½ x 5¼ x 5½ in; 8 lb \$99

JOHN MAROVSKIS

Janis System 3a Powered Subwoofer

12-in slot-loaded driver; outboard 50-W amp. Level control; variable driver phase. Amp output 50 W cont avg with 0.05% THD; crossover point 100 Hz; FR 30-100 Hz ± 1 dB; sens 85 SPL/W/m; imp 8 ohms. Brazilian Monarch rosewood, Coca Bola, American walnut, or white-oak finish. Subwoofer: 18 x 18 x 18 in. Amp: 14 x 3½ x 9 in. 87 lb \$1,150

Janis W1 Subwoofer

15-in slot-loaded driver. Crossover point 100 Hz; FR 30-100 Hz ± 1 dB; sens 87 SPL/W/m; imp 8 ohms. Coca Bola or Brazilian Monarch rosewood finish. 18 x 22 x 22 in; 100 lb \$1,000
Above in black \$900
Oiled walnut or white-oak finish \$850

Janis W3 Subwoofer

12-in slot-loaded driver. Crossover point 100 Hz; FR 30-100 Hz ± 1 dB; sens 85 SPL/W/m; imp 8 ohms. Coca Bola or Brazilian rosewood finish. 18 x 18 x 18 in; 67 lb \$750
Above in black \$650
Oiled walnut or white-oak finish \$600

JOSEPH AUDIO

The following feature patented 100-dB/oct crossovers.

RM20 2-Way Speaker

8-in polypropylene woofer, 1-in aluminum-dome tweeter. Features cabinet angled for image improvement and resonance reduction; cast woofer basket; dynamic woofer damping; Cardas internal wiring. Gold-plated biwire/biamp binding posts. Power handling 200 W; crossover point 2,000 Hz; FR 38-20,000 Hz ± 2 dB; sens 89 dB; imp 8 ohms. Gloss black finish. 11 x 36 x 13 in; 53 lb \$1,995/pr
Oak finish \$2,095/pr

RM9 2-Way Bookshelf Speaker

8-in polypropylene woofer, 1-in aluminum-dome tweeter. Features internal cabinet bracing; Cardas internal wiring; cast woofer basket; dynamic woofer damping. Gold-plated binding posts. Power handling 180 W max; crossover point 2,000 Hz; FR 47-20,000 Hz ± 2 dB; sens 89 dB; imp 8 ohms. Light-, dark-, or black-oak finish. 10½ x 19 x 12 in \$1,199/pr

JPW

JPW Subwoofer/Satellite System

Subwoofer with two 8¾-in drivers; 2 satellites, each with 4-in woofer and ¾-in ferrofluid-damped dome tweeter. FR 30-150 Hz subwoofer, 90-20,000 Hz satellite \$595

AP3 2-Way Speaker

Infinite-baffle design with 8-in doped paper-cone woofer, ¾-in ferrofluid-cooled plastic soft-dome tweeter. Biwire/blamp terminals. Power handling 100 W cont; FR 5-20,000 Hz ± 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 ± 3 dB, sens 80 dB SPL/W/m. 10 x 17 x 10 in; 21 lb \$525/pr

P1. As AP2, no biwire terminals. Power handling 70 W cont; sens 90 dB SPL/W/m. 17 lb \$450/pr

Sonata Plus 2-Way Bookshelf Speaker

6½-in paper-cone woofer, 1-in ferrofluid-cooled aluminum-dome tweeter. Features PVC woofer surround. Biwire/blamp terminals. Power handling 70 W cont; FR 70-20,000 Hz ± 3 dB. Walnut-ash, black-ash, or blond finish. 9 x 13 x 8½ in; 11 lb \$395/pr

Sonata 2-Way Bookshelf Speaker

6½-in paper-cone woofer, ¾-in ferrofluid-cooled dome tweeter. Features PVC woofer surround. Power handling 70 W cont; FR 70-20,000 Hz ± 3 dB. Walnut, blond-ash, or black-ash finish. 9 x 13 x 8½ in; 10 lb \$335/pr

Minim 2-Way Bookshelf Speaker

5-in paper-cone woofer, ½-in ferrofluid-cooled dome tweeter. Features foam woofer surround. Biwire/blamp terminals. Power handling 70 W cont; FR 70-20,000 Hz ± 3 dB. Black vinyl finish \$250/pr

JRM

Reference 4-Way Powered Speaker System

Two subwoofers, each with 18-in driver; two satellites, each with four 8-in midbasses, horn midrange, and horn tweeter; two 750-W mono power amps; preamp; 6-band remote EQ; 4-way active crossover \$15,000

Monitor Powered Subwoofer/Satellite System

Subwoofer with 15-in polypropylene driver; 2 satellites, each with 8-in midbass, 3-in midrange, and horn tweeter; 7-way active crossover; seven 350-W (into 2 ohms) amps. Time-aligned drivers; protection circuitry; 7 level controls. FR 18-20,000 Hz \$5,500
Above with two subwoofers \$7,500

VLS Satellite Tower 3-Way Speaker

Sealed vertical-line-source design with four 8-in midbasses, 3 x 27-in diffraction-horn midrange, and 1½-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, three 12-in midbasses, midranges, and 2 tweeters \$3,700

S18B-5 Powered Subwoofer

Proprietary alignment with 18-in driver; 200-W amp. Features 2-way active crossover with bass/midbass EQ. Amp output 200 W x 1 cont avg; FR 20-200 Hz. 8-cubic-ft box \$2,500
S15A-5. As above, with 15-in driver. FR 20-250 Hz \$2,200

D15A-5 Powered Subwoofer

Proprietary alignment with two 15-in polypropylene drivers; 500-W amp. Features 2-way active crossover with bass/midbass EQ. Amp output 500 W x 1 cont avg; FR 19-300 Hz. 10-cubic-ft box \$2,200
D12A-5. As above, two 12-in drivers. FR 19-400 Hz. 6-cubic-ft box \$2,000

S18B Subwoofer

QB3 vented design with 18-in driver. Power handling 200 W; sens 95 SPL/W/m; imp 8 ohms. 8-cubic-ft box;

150 lb \$1,100

S15A. As S18B, 15-in driver. Power handling 200 W; FR 30-300 Hz ± 1.5 dB; sens 92 SPL/W/m. Optional finish. 6-cubic-ft box; 130 lb \$875

D12A Subwoofer

QB3 vented design with two 12-in drivers. FR 27-450 Hz ± 1.5 dB; sens 89 SPL/W/m; imp 2, 4, or 8 ohms. Optional finish. 9-cubic-ft box \$800

JS AUDIO

The following are available in a variety of finishes including oak, black-oak, and walnut.

DC1 4-Way Speaker

Vented design with two 10-in woofers, two 4-in cone midranges, and four 1-in dome tweeters. Crossover points 400, 4,000, and 10,000 Hz; FR 22-22,000 Hz ± 2 dB; sens 96 dB SPL/W/m; imp 8 ohms. 8 x 61 x 16 in; 100 lb \$5,400/pr

Model 612P 4-Way Speaker

Vented design with two 12-in woofers, two 5-in cone midranges, and four 1-in dome tweeters. Crossover points 600, 4,000, and 10,000 Hz; FR 24-22,000 Hz ± 3 dB; sens 99 dB SPL/W/m; imp 8 ohms. 16 x 74 x 12 in; 150 lb \$4,800/pr

Model 415 4-Way Speaker

Vented design with two 15-in woofers, 4-in cone midrange, and dome tweeter. Crossover points 300, 600, 4,000, 10,000, and 14,000 Hz; FR 24-22,000 Hz ± 3 dB; sens 96 dB SPL/W/m; imp 8 ohms. 19 x 48 x 12 in; 125 lb \$3,800

Model 415P 4-Way Speaker

Vented design with 15-in woofer, 5-in cone midrange, and three 1-in dome tweeters. Crossover points 600, 4,000, and 12,000 Hz; FR 22-24,000 Hz ± 3 dB; sens 99 dB SPL/W/m; imp 8 ohms. 19 x 36 x 12 in; 100 lb \$2,800/pr

Model 412P 4-Way Speaker

Vented design with 12-in woofer, 5-in cone midrange, and two 1-in dome tweeters. Crossover points 600, 4,000, and 10,000 Hz; FR 24-40,000 Hz ± 3 dB; sens 98 dB SPL/W/m; imp 8 ohms. 16 x 27 x 12 in; 75 lb \$2,000/pr

Model 310N 3-Way Speaker

Vented design with 10-in woofer, 4-in cone midrange, and 1-in dome tweeter. Crossover points 700 and 3,000 Hz; FR 32-22,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. 14 x 24 x 10 in \$1,500/pr

Model 310P 3-Way Speaker

Vented design with 10-in woofer, 5-in cone midrange, and 1-in dome tweeter. Crossover points 700 and 4,000 Hz; FR 28-22,000 Hz ± 3 dB; sens 95 dB SPL/W/m; imp 8 ohms \$1,500/pr

Model 38P 3-Way Speaker

Vented design with 8-in woofer, 3-in cone midrange, and 1-in dome tweeter. Crossover points 700 and 4,000 Hz; frequency response 32-22,000 Hz ± 3 dB; sensitivity 93 dB sound-pressure level/W/m; impedance 8 ohms. 12 x 19 x 10 in; 33 lb \$1,100/pr

Subwoofer

Vented design with 15-in driver. Crossover point 120 Hz; FR 20-120 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 18 x 18 x 19 in; 78 lb \$900

Model 26P 2-Way Bookshelf Speaker

Vented design with 6-in woofer and 1-in dome tweeter. Crossover point 2,500 Hz; FR 40-22,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 8 ohms. 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. Crossover point 2,500 Hz; FR 38-22,000 Hz ± 4 dB; sens 91 dB SPL/W/m; imp 8 ohms. 12 x 19 x 10 in; 25 lb \$600/pr

S P E A K E R S

Model 26J 2-Way Bookshelf Speaker

Acoustic-suspension design with 6-in woofer and 1-in dome tweeter. Crossover point 2,500 Hz; FR 46-21,000 Hz \pm 4 dB; sens 94 dB SPL/W/m; Imp 8 ohms. 8 x 12 x 8 in; 18 lb \$450/pr

JVC

SP-XS6BK Speaker

Acoustic-suspension column with 5-in full-range driver. Power handling 45 W; FR 50-12,000 Hz; sens 83 SPL/W/m; imp 8 ohms. 8 x 26 $\frac{1}{8}$ x 8 in \$180/pr

KAWASAKI

KS-301 2-Way Outdoor Speaker

Bass-reflex design with 5-in carbon-reinforced polypropylene-cone woofer and 2-in polyimide dome tweeter. Features aluminum voice coils. Power handling 260 W max; crossover point 6,000 Hz; FR 60-20,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; Imp 4 ohms. Black satin finish. 9 $\frac{1}{4}$ x 6 $\frac{1}{4}$ x 6 $\frac{1}{4}$ \$300/pr

KBA

XL-5 2-Way Powered Speaker

4 $\frac{1}{2}$ -in woofer, 2-in tweeter, 20-W amp. Amp output 10 W x 2 rms; FR 20-10,000 Hz \$160
Subwoofer with 6 $\frac{1}{2}$ -in driver for above. 12 x 18 x 9 $\frac{3}{4}$ in \$249
Subwoofer with 8-in driver for XL-5. 13 $\frac{1}{4}$ x 20 x 13 $\frac{1}{4}$ in \$289

KEF

Q90 3-Way Speaker

Reflex-loaded 8-in woofer, 8-in midrange, 1-in polymer-dome tweeter. Features 1 $\frac{1}{2}$ -in voice coil. Power handling 150 W; FR 40-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; 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, 1 $\frac{1}{2}$ -in polymer-dome tweeter, and 8-in passive radiator. Features 1 $\frac{1}{2}$ -in voice coil; ferrofluid cooling. Power handling 125 W; FR 57-20,000 Hz \pm 3 dB; sens 89 dB; imp 8 ohms \$799/pr

O60 2-Way Bookshelf Speaker

Reflex-loaded 8-in woofer, 1-in polymer-dome tweeter. Features 1 $\frac{1}{2}$ -in voice coil; ferrofluid cooling. Power handling 100 W; FR 60-20 Hz \pm 3 dB; sens 90 dB; imp 8 ohms \$599/pr

K160 2-Way Speaker

8-in woofer, 1-in dome tweeter, 8-in passive radiator. Features 1-in voice coil; ferrofluid cooling. Power handling 125 W; FR 48-20,000 Hz \pm 3 dB; sens 89 dB; imp 8 ohms. 10 $\frac{1}{4}$ x 28 $\frac{3}{8}$ x 9 $\frac{1}{4}$ in \$549/pr

K140 2-Way Bookshelf Speaker

8-in woofer, 1-in dome tweeter. Features 1-in voice coil; ferrofluid cooling. Power handling 100 W; FR 55-20,000 Hz \pm 3 dB; sens 89 dB; 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 Bookshelf Speaker

6 $\frac{1}{2}$ -in woofer, 1-in dome tweeter. Features 1-in voice coil; ferrofluid cooling. Power handling 80 W; FR 65-20,000 Hz \pm 3 dB; sens 87 dB; imp 8 ohms. 8 $\frac{1}{8}$ x 13 $\frac{1}{4}$ x 9 $\frac{1}{8}$ in; 9 lb \$200/pr

Reference Series

Model 107/2 3-Way Speaker

Coupled-cavity design with two 10-in woofers rear-loaded in sealed enclosure feeding common ported enclosure; separate pivoting assembly with 5-in polypropylene-cone midrange and 1-in aluminum-dome tweeter. Features woofers joined by force-canceling rod to reduce vibrations; conjugate load-matching network. Biwire/biamp terminals. Includes Kube 107/2 active 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 $\frac{1}{2}$ in; 99 lb \$5,900/pr

Model 105/3 4-Way Speaker

Two 8-in woofers in coupled-cavity enclosure with 6 $\frac{1}{2}$ -in port, two 6 $\frac{1}{2}$ -in midbasses, 6 $\frac{1}{2}$ -in midrange with $\frac{3}{4}$ -in soft-dome tweeter in its center. Features woofers joined by force-canceling rod to reduce vibrations; conjugate load-matching network. Biwire/biamp terminals. Power handling 300 W cont avg; 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

Two 6 $\frac{1}{2}$ -in woofers in coupled-cavity enclosure; 1-in neodymium-dome tweeter in center of midrange. Features magnetic shielding; conjugate load-matching network. Biwire/biamp terminals. Power handling 200 W max; FR 50-20,000 Hz \pm 2.5 dB; sens 91 dB SPL/W/m. Rosewood or black-ash veneer finish. 8 $\frac{1}{2}$ x 35 $\frac{1}{2}$ x 12 in; 40 lb \$1,800/pr

Model 102 2 3-Way Speaker

6 $\frac{1}{2}$ -in long-throw woofer in coupled-cavity enclosure; $\frac{3}{4}$ -in soft-dome tweeter in center of 6 $\frac{1}{2}$ -in polypropylene-cone midrange. Features conjugate load-matching network; magnetic shielding. Power handling 150 W cont avg; 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 101/3 2-Way Bookshelf Speaker

Sealed design with $\frac{3}{4}$ -in soft-dome tweeter in center of 6 $\frac{1}{2}$ -in polypropylene-cone woofer. Features magnetic shielding. Power handling 150 W cont avg; 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

Model 100 Center-Channel Speaker

Vented design with 1-in neodymium-dome tweeter in center of 6 $\frac{1}{2}$ -in polypropylene-cone woofer. Features magnetic shielding. Power handling 200 W cont avg; FR 70-20,000 Hz \pm 1 dB; sens 90 dB SPL/W/m; imp 6 ohms. Gray veneer finish \$500

Model 90 Center-Channel Speaker

Vented design with $\frac{3}{4}$ -in neodymium-dome tweeter in center of 6 $\frac{1}{2}$ -in polypropylene-cone woofer. Features magnetic shielding. Power handling 150 W cont avg; FR 80-20,000 Hz \pm 1 dB; sens 87 dB SPL/W/m; imp 6 ohms. Gray or white veneer \$380

Kube 200. Active EQ for Models 105/2, 102/2, and 101/3. User-adjustable low-frequency EQ below 160 Hz and high-frequency EQ above 1,000 Hz \$400

Kube 100. Active EQ for Models 101/3, 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. Features laminated high-density-particleboard enclosure. Power handling 180 W max; crossover points 2,000 and 5,000 Hz; FR 30-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. Simulated woodgrain finish. 17 $\frac{1}{8}$ x 30 x 12 $\frac{7}{8}$ in \$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 $\frac{7}{8}$ in; 29.8 lb \$300/pr
KS-H51. Bookshelf version of KS-H71. 14 $\frac{1}{4}$ x 26 $\frac{3}{4}$ x 12 $\frac{7}{8}$ in; 24.3 lb \$250/pr

AS-7 Powered Speaker

Full-range driver; 5 W x 2 cont avg amp. Portable design for use with pocket stereos. Features auto bass-boost circuitry; magnetic shielding. Two line-level inputs with source-selector switch; line-level subwoofer output. Volume control \$199/pr
AS-5. As above, 3 W x 2 cont avg amp \$149/pr

KS-H31 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in woofer and 2-in tweeter. Features laminated high-density-particleboard enclosure. Power handling 100 W max; crossover point 5,000 Hz; FR 50-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 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. Features laminated high-density-particleboard enclosure; magnetic shielding. Power handling 80 W max; FR 70-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black simulated-woodgrain finish. 17 $\frac{3}{8}$ x 4 $\frac{3}{8}$ x 12 $\frac{1}{8}$ in; 11.2 lb \$150

LSK-06X Surround Speaker

Acoustic-suspension design with 4-in full-range driver. Designed for rear channel in home theater system. Features laminated high-density-particleboard pentagonal cabinet with 90° angle for corner mounting. Includes wall-mounting brackets. Power handling 40 W max; FR 80-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Simulated-woodgrain finish. 7 $\frac{3}{4}$ x 10 $\frac{7}{8}$ x 5 $\frac{3}{4}$ in; 3.5 lb \$99/pr
LSK-02X. 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

KINERGETICS

SW-800 Subwoofer System

2 towers, each with live 10-in drivers. Includes outboard electronic crossover/driver controller with infinite settings \$3,995

SW-100 Powered Subwoofer System

2 towers, each with two 10-in drivers; 150-W/ch amplifier with crossover/driver controller. Variable low-pass slope \$1,885

SW-150V THX Subwoofer

15-in downward-firing driver; 150-W amp with crossover/driver controller. THX certified \$1,595

SW-120V Powered Subwoofer

12-in downward-firing driver; 125-W amplifier with crossover/driver controller \$1,295

SW-102V. As above, 10-in driver; 100-W amp \$995

KINETIC AUDIO

Nouveau Series

The following feature rounded sides, liquid tweeter cooling/damping, cross-vented magnet structures, a linear phase driver arrangement in mirror-image pairs, front-panel fuse protection, level controls, an oak- or walnut-veneer cabinet, and a 3-yr limited warranty.

Nonparall 6-Way Speaker

12-in mineral-filled polymer-cone woofer, 6 $\frac{1}{2}$ -in mineral-filled polymer-cone midbass, 2-in dome midrange, 1 $\frac{1}{2}$ -in dome tweeter, 1-in supertweeter. Gold-plated 5-way biwire/biamp blinding posts. Includes stands, pointed stems, and casters. Power handling 200 W max; selectable crossover points 60, 90, 180, 500, 750, 4,000, 5,000, 7,000, and 9,000 Hz; FR 12-22,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; imp 6 ohms. 14 $\frac{1}{2}$ x 60 x 22 in; 265 lb \$10,000/pr

Ethereal 4-Way Speaker

12-in mineral-filled polymer-cone woofer, 6 $\frac{1}{2}$ -in mineral-filled polymer-cone midbass, 2-in dome midrange, 1-in dome tweeter. Gold-plated 5-way triamp/biamp blinding posts. Includes stands, pointed stems, and casters. Power handling 200 W max; selectable crossover points 90, 180, 500, 750, 7,000, and 9,000 Hz; FR 15-22,000 Hz \pm 2 dB; imp 6 ohms. 14 $\frac{1}{2}$ x 54 x 20 in; 185 lb \$7,000/pr

Refined Plus 4-Way Speaker

12-in mineral-filled polymer-cone woofer, 6 $\frac{1}{2}$ -in mineral-filled polymer-cone midrange, 2-in midtweeter, 1-in dome tweeter. Gold-plated 5-way triamp/biamp blinding posts. Includes stands, pointed stems, and casters. Power handling 200 W max; selectable crossover points 90, 180, 750, 1,000, 7,000, and 9,000 Hz; FR 18-22,000 Hz \pm 2 dB; imp 8 ohms. 14 $\frac{1}{2}$ 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, 1-in titanium-dome tweeter. Gold-plated 5-way triamp/biamp binding posts. Power handling 200 W max; selectable crossover points 750, 1,000, 7,000, and 9,000 Hz; FR 18-22,000 Hz \pm 2 dB; sens 92 dB SPL/W/m; imp 8 ohms. 14 1/2 x 40 x 14 1/2 in; 95 lb \$3,000/pr

Stat 2-Way Speaker

Vented design with 8-in mineral-filled polymer-cone woofer and 1 1/8-in dome tweeter. Gold-plated 5-way biwire/biamp binding posts. Power handling 100 W max; selectable crossover points 1,800 and 2,800 Hz; FR 38-22,000 Hz \pm 2 dB; sens 93 dB SPL/W/m; imp 8 ohms. 10 x 26 x 10 in; 45 lb \$2,000/pr

Standard Series

The following feature a linear-phase driver arrangement in mirror-image pairs, rubber woofer surrounds, an oak- or walnut-veneer cabinet, and a 2-yr limited warranty.

Titan/Trapezium 6-Way Speaker

Vented design with two 12-in mineral-filled polymer-cone woofers, one 6 1/2-in mineral-filled polymer-cone midbass, one 2-in dome midrange, one 1 1/8-in dome tweeter, and one 3/4-in dome supertweeter. Features cross-vented magnet structures. Gold-plated 5-way biwire/biamp binding posts. Power handling 200 W max; crossover points 60, 90, 500, 3,000, and 7,000 Hz; FR 12-22,000 Hz \pm 2 dB; sens 91 dB SPL/W/m; imp 6 ohms. 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, 6 1/2-in mineral-filled polymer-cone midrange, 2-in dome midtweeter, 1 1/8-in dome tweeter, and 3/4-in dome supertweeter. Features liquid tweeter cooling/damping. Biamp/biwire terminals. Level controls. Power handling 200 W max; crossover points 90, 750, 3,500, and 9,000 Hz; FR 12-22,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; imp 6 ohms. 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, 6 1/2-in mineral-filled polymer-cone midrange, 2-in dome tweeter, and 1 1/8-in synthetic-dome tweeter. Features liquid tweeter cooling/damping. Biwire/biamp terminals. Level controls. Power handling 200 W max; crossover points 180, 750, and 7,000 Hz; FR 16-22,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; imp 6 ohms. 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, 6 1/2-in mineral-filled polymer-cone midrange, 1 1/2-in dome tweeter, and 3/4-in dome supertweeter. Features liquid tweeter cooling/damping. Biamp/biwire terminals. Level controls. Power handling 200 W max; crossover points 180, 2,000, and 9,000 Hz; FR 18-22,000 Hz \pm 2 dB; sens 91 dB SPL/W/m; imp 8 ohms. 16 x 40 x 14 1/2 in \$3,500/pr

Identity (Impulse) 3-Way Speaker

Vented design with 12-in mineral-filled polymer-cone woofer, 6 1/2-in mineral-filled polymer-cone midrange, and 1 1/8-in dome tweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures. Biamp/biwire terminals. Level controls. Power handling 200 W max; crossover points 180 and 2,000 Hz; FR 18-22,000 Hz \pm 2.5 dB; sens 91 dB SPL/W/m; imp 8 ohms. 14 1/2 x 26 x 14 1/2 in \$2,000/pr

Stat Miniature Monitor 2-Way Bookshelf Speaker

Vented design with 6 1/2-in mineral-filled polymer-cone woofer and 1 1/8-in dome tweeter. Features liquid tweeter cooling/damping; cross-vented magnet structures. Biamp/biwire terminals. Level control. Power handling 100 W max; crossover point 2,000 Hz; FR 38-22,000 Hz \pm 2.5 dB; sens 90 dB SPL/W/m; imp 6 ohms. 9 x 15 x 9 in \$1,500/pr

Consumer Series

The following are available with rounded or square sides and veneered panels.

Trapezoid Subwoofer

12-in mineral-filled polypropylene driver. Features dual voice coils; 180-Hz passive crossover with woofer-bypass terminals. Gold-plated 5-way biwire/biamp binding posts. Power handling 350 W max; FR 16-2,000 Hz \pm 2 dB; sens 92 dB SPL/W/m; imp 2, 4, or 8 ohms. Walnut- or oak-veneer enclosure with black grille. 16 x 40 x 14 in; 110 lb \$1,500/pr
Utility finish without grille \$900/pr

Stat Subwoofer

Ported design with 12-in mineral-filled dual-voice-coil polypropylene driver. Features 180-Hz crossover with woofer-bypass terminals. Gold-plated 5-way biwire/biamp binding posts. Power handling 350 W max; FR 18-2,000 Hz \pm 3 dB; sens 93 dB SPL/W/m; imp 2, 4, or 8 ohms. Walnut- or oak-veneer enclosure with black grille. 14 1/2 x 26 x 14 in; 85 lb \$900/pr
Utility finish without grille \$700/pr

Pristine 2-Way Bookshelf Speaker

Vented design with 8-in woofer and 1-in dome tweeter. Features rubber woofer surround; tweeter cooling and damping; replaceable voice-coil dome diaphragm; flush driver mounting. Power handling 100 W max; crossover point 2,500 Hz; FR 38-20,000 Hz \pm 2.5 dB; sens 92 dB SPL/W/m; imp 6 ohms. Oak-veneer finish. 10 x 16 x 8 in; 38 lb \$499/pr

Micro-Stat 2-Way Bookshelf Speaker

Adjustable or closed vent design with 6 1/2-in mineral-filled polymer woofer. Designed for home theater or subwoofer/satellite systems. Features rubber woofer surround; flush driver mounting. Power handling 80 W max; crossover point 2,500 Hz; FR 48-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 6 ohms. Oak veneer finish. 8 x 12 x 7 in; 25 lb \$499/pr

Architectural In-Wall Speakers

Rex 3-Way In-Wall Speaker

12-in mineral-filled polymer-cone woofer, 2-in midrange, 1 1/8-in dome tweeter. Features magnetic-liquid tweeter cooling/damping; cross-vented magnet structures; linear-phase driver arrangement in mirror-image pairs. Biwire/biamp terminals. Level controls. Power handling 200 W max; crossover points 750 and 7,000 Hz; FR 18-22,000 Hz \pm 2.5 dB; sens 91 dB SPL/W/m; imp 8 ohms. 13 x 24 x 7 in \$900/pr

Stat In-Wall Subwoofer

12-in mineral-filled dual-voice-coil polymer-cone driver. Features 180-Hz passive crossovers with bypass terminals. Power handling 150 W max; FR 20-20,000 Hz \pm 2.5 dB; sens 91 dB SPL/W/m; imp 2, 4, or 8 ohms. Several colors available. 15 lb \$500/pr

Stat 2-Way In-Wall Speaker

8-in mineral-filled polymer-cone woofer, 1-in dome tweeter. 6 1/2-in driver version available via special order. Features magnetic-liquid cooling/damping; 30-oz magnet replaceable voice-coil dome diaphragm; film capacitors; air-core coils; nonresonant 1-in-thick baffle/panel. Level control. Power handling 100 W max; crossover point 2,000 Hz; FR 36-20,000 Hz \pm 2.5 dB; sens 90 dB; imp 8 ohms. Several colors available. 9 x 14 x 3 1/2 in; 14 lb \$499/pr

KLH

The following feature a 5-yr limited warranty.

Caibre 3 Subwoofer/Satellite System

Subwoofer with two 6 1/2-in polymer drivers; 2 satellites, each with 4 1/2-in polypropylene-cone midrange and 1-in ferrofluid-cooled dome tweeter. Power handling 200 W; FR 45-20,000 Hz \pm 3 dB; imp 6 ohms. Black vinyl subwoofer; black-oak vinyl satellite. Subwoofer: 8 1/8 x 14 1/4 x 9 1/2 in. Satellites: 5 3/4 x 9 x 5 1/2 in \$399

CS-2503 Subwoofer/Satellite System

Subwoofer with two 5 1/4-in drivers; two satellites, each with two 4 1/2-in midranges and one 3/4-in polydome tweeter. Crossover points 200 and 4,000 Hz;

FR 50-20,000 Hz \pm 3 dB; sens 86 dB SPL/W/m; imp 6 ohms. Black Nextel finish. Subwoofer: 12 x 17 x 8 in. Satellites: 5 x 5 x 8 1/2 in \$200

Model 610 2-Way Outdoor Speaker

4-in polypropylene/rubber woofer, 1-in soft-dome tweeter. Features metal weather-resistant cabinet. Power handling 60 W; crossover point 2,800 Hz; FR 80-20,000 Hz; sens 85 dB SPL/W/m; imp 6 ohms. 4 3/4 x 7 x 4 3/4 in \$149/pr

Model 403 3-Way Outdoor Speaker

4-in polypropylene woofer, 2-in cone midrange, 3/4-in dome tweeter. Features cast-polystyrene weather-resistant enclosure. Power handling 40 W; crossover points 3,000 and 7,000 Hz; FR 90-20,000 Hz; sens 85 dB SPL/W/m; imp 6 ohms. 4 3/4 x 7 3/8 x 4 3/8 in \$49/pr

Premier Series

The following are available in oak or black vinyl finish.

Model 82T 3-Way Speaker

Tuned-port design with two 6 1/2-in polypropylene woofers, 3-in dome midrange, and 1-in dome tweeter. Features outboard equalizer with near-wall/far-wall switch for different room placements; tape loop switch; 20-oz barium-ferrite woofer magnet; die-cast aluminum baskets; Kapton voice-coil formers. Gold-plated binding posts. Power handling 250 W max; crossover points 200, 800, and 3,000 Hz; FR 20-35,000 Hz; sens 87 dB; imp 6 ohms. 9 x 38 x 11 1/4 in \$1,250

Model 62T. As above, 5 1/4-in cone midrange. No EQ \$449

Premier 81 2-Way Bookshelf Speaker

Tuned-port design with 8-in polymer-fiber cone woofer and 1-in ferrofluid-cooled polymer-dome tweeter. Features 1 1/2-in woofer voice coil; 9-element crossover. Gold-plated 5-way binding posts. Power handling 130 W; crossover point 1,300 Hz; FR 30-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. 10 3/8 x 16 1/2 x 11 1/4 in \$299/pr

Premier 61. As above, 6 1/2-in woofer. Crossover point 1,600 Hz; FR 40-20,000 Hz; sens 86 dB SPL/W/m; imp 6 ohms. 8 3/4 x 13 3/8 x 9 1/4 in \$249/pr

Performance Series

The following are available in oak or black vinyl finish.

SX-9 3-Way Speaker

Tuned-port design with 15-in polymer woofer, 5 1/4-in cone midrange, and 1-in ferrofluid-cooled tweeter. Features 50-oz barium-ferrite woofer magnet. Power handling 300 W max; crossover points 800 and 3,000 Hz; FR 25-20,000 Hz; sens 94 dB; imp 6 ohms. 18 x 33 x 11 in \$350

SX-7 2-Way Bookshelf Speaker

Tuned-port design with 8-in polymer woofer and 1-in ferrofluid-cooled dome tweeter. 20-oz barium-ferrite woofer magnet. Power handling 130 W max; crossover point 1,300 Hz; FR 35-20,000 Hz; sens 87 dB; imp 8 ohms. 11 1/4 x 16 1/2 x 10 3/8 in \$325/pr

SX-8 3-Way Speaker

Tuned-port design with 12-in polymer woofer, 5 1/4-in cone midrange, and 1-in dome tweeter. Features 30-oz barium-ferrite woofer magnet. Power handling 200 W max; crossover points 800 and 3,000 Hz; FR 29-20,000 Hz; sens 92 dB; imp 6 ohms. 16 x 30 x 11 in \$275

KLIPSCH

Klipschorn 3-Way Speaker

Horn-loaded design. Power handling 100 W; 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; FR 45-

S P E A K E R S

17,000 Hz \pm 5 dB; sens 104 dB SPL/W/m; Imp 8 ohms. 30 3/4 x 35 3/4 x 18 3/4 in. Price depends on finish, from \$3,000/pr

La Scala. As Belle Klipsch, 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. Features built-in riser base. Power handling 100 W; 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

SW-15 Powered Subwoofer

Vented design with 15-in driver and 15-in passive radiator; 200-W cont avg amp. Line-level input/output. 18 1/2 x 26 x 19 5/8 in; 82 lb \$1,499

Forté II 3-Way Speaker

Vented design with 12-in woofer, horn midrange, horn tweeter, and 12-in passive radiator. Features built-in riser base. Power handling 100 W; FR 32-20,000 \pm 3 dB; sens 99 dB SPL/W/m; Imp 8 ohms. 16 1/2 x 35 3/4 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. Features built-in riser base. Power handling 100 W; FR 38-20,000 \pm 3 dB; sens 97.5 dB SPL/W/m; Imp 8 ohms. 15 7/8 x 31 1/8 x 12 1/4 in; 52 lb. Price depends on finish, from \$1,050/pr

SW-12 Powered Subwoofer

Vented design with 12-in woofer and 12-in passive radiator; 150-W cont avg amp. Line-level input/output. 15 5/8 x 23 1/2 x 16 1/2 in; 60 lb \$999

Heresy II 3-Way Speaker

Sealed design with 12-in woofer, horn-loaded compression midrange, and tweeter. Power handling 100 W; 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; crossover point 1,600 Hz; FR 34-20,000 Hz \pm 3 dB; sens 96 dB SPL/W/m; Imp 8 ohms. 14 1/4 x 33 1/2 x 12 1/4 in; 54 lb \$850/pr

SW-10 Powered Subwoofer

Vented design with 10-in driver and 12-in passive radiator; 100-W cont avg amp. Features line-level input/output. 14 x 21 1/4 x 15 1/8 in; 43 lb \$749

KG-4.2 2-Way Speaker

Vented design with 10-in woofer, tweeter, 10-in passive radiator. Power handling 100 W; crossover point 1,600 Hz; FR 36-20,000 Hz \pm 3 dB; sens 95 dB SPL/W/m; Imp 8 ohms. 13 1/2 x 30 1/2 x 11 1/4 in. \$700/pr

KG-3.2 2-Way Speaker

Vented design with 8-in woofer, tweeter, 10-in passive radiator. Power handling 65 W; crossover point 1,800 Hz; FR 36-20,000 Hz \pm 3 dB; sens 94 dB SPL/W/m; Imp 8 ohms \$550/pr

SW-8 Powered Subwoofer

Vented design with 8-in driver and 10-in passive radiator; 65 W x 1 cont avg amp. Line-level input/output. 13 1/4 x 18 7/8 x 14 in; 36 lb \$549

KG-2.2 2-Way Speaker

Vented design with two 6 1/2-in woofers, horn tweeter. Magnetic shielding optional. Power handling 75 W; crossover point 2,200 Hz; FR 50-20,000 Hz \pm 3 dB; sens 93 dB SPL/W/m; Imp 8 ohms. 9 1/4 x 19 1/4 x 9 1/4 in; 19.5 lb \$450/pr

Academy 2-Way Speaker

Infinite-baffle design with two 8-in woofers and horn

tweeter. Features magnetic shielding. Power handling 100 W; crossover point 2,200 Hz; FR 65-20,000 Hz \pm 3 dB; sens 96 dB SPL/W/m; Imp 8 ohms. 11 x 23 1/4 x 12 1/4 in; 33 lb \$399

IW 200 2-Way In-Wall Speaker

6 1/2-in woofer, horn tweeter. Power handling 75 W; crossover point 2,200 Hz; FR 50-20,000 Hz \pm 3 dB; sens 93 dB SPL/W/m; Imp 8 ohms. 10 1/4 x 20 1/2 in \$540/pr

IW 100. As above, power handling 50 W, sens 90 dB SPL/W/m. 10 1/4 x 14 in \$360/pr

KG-1.2 2-Way Bookshelf Speaker

Vented design with 6 1/2-in woofer, horn tweeter. Magnetic shielding optional. Power handling 50 W; crossover point 2,200 Hz; FR 50-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; Imp 8 ohms. 9 1/4 x 13 x 9 1/4 in; 15 lb \$350/pr

KG-SW Subwoofer

Band-pass design with two 8-in drivers. Low- and high-level outputs. Power handling 100 W; crossover point 150 Hz; FR 38-150 Hz \pm 3 dB; sens 91 dB low output, 94 dB high output; Imp 8 ohms low output, 4 ohms high output. 24 1/4 x 12 1/4 x 15 7/8 in; 42 lb \$350

KNOLL

HTB-6 Home Theater System

Subwoofer with two 6 1/2-in carbon-infused polypropylene drivers; five 2-way satellites with 4-in woofers. Includes swivel-mount brackets. Power handling 120 W subwoofer, 60 W satellite; crossover point 120 Hz; sens 90 dB SPL/W/m; Imp 8 ohms. Subwoofer: 11 x 24 x 14 in. Satellites: 5 x 7 1/2 x 5 in \$500

CF65 Subwoofer

Band-pass design with two 6 1/2-in carbon-infused polypropylene drivers. Power handling 120 W cont avg; crossover point 120 Hz; sens 90 dB SPL/W/m; Imp 8 ohms. 11 x 24 x 14 in \$300

TC06 2-Way In-Wall Speaker

Minimum-reflectivity design with 6 1/2-in woofer and 1-in soft-dome tweeter. Features weather resistance. Power handling 80 W rms; FR 65-21,000 Hz; sens 91 dB SPL/W/m. 9 x 9 x 3 1/4 in \$229/pr

SP04 2-Way Outdoor Speaker

Vented design with 4-in woofer. Features weather resistance. Power handling 60 W cont avg; FR 100-21,000 Hz; sens 90 dB SPL/W/m; Imp 8 ohms. Black or white. 7 1/2 x 5 x 5 in; 3.3 lb \$129/pr

KORT

The following feature a custom finish.

Proxy 3 2-Way Speaker System

4-piece transmission-line design with two 12-in woofers and five 2-in cone tweeters. Power handling 750 W cont avg; crossover point 550 Hz; FR 17-22,000 Hz; sens 96 dB SPL/W/m; Imp 4 ohms \$4,500

CC-1E 2-Way Speaker

Transmission-line design with 10-in woofer and three 3-in cone tweeters. Power handling 200 W; crossover point 900 Hz; FR 30-20,000 Hz; sens 93 dB SPL/W/m; Imp 4 ohms. 12 x 44 x 31 in \$1,495/pr

CS-7 Home Theater System

2 subwoofers, three CC-B speakers, and 2 full-range surround speakers. Imp 8 ohms \$1,000

CC-2 2-Way Speaker

Transmission-line design with two 5-in woofers and 2 1/2-in cone tweeter. Power handling 100 W; crossover point 4,000 Hz; FR 55-20,000 Hz; sens 92 dB SPL/W/m; Imp 4 ohms. 6 x 44 x 20 in \$700/pr

CC-B Bookshelf Speaker

Transmission-line design with 4-in full-range 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 \$290/pr

Full-Range Surround Speaker

Bipolar design with 4-in driver. Power handling 30 W cont avg; crossover point 4,000 Hz; FR 200-20,000 Hz; sens 88 dB SPL/W/m; Imp 8 ohms. White primed finish. 2 x 7 x 5 in \$85

KOSS

M/85 2-Way Bookshelf Speaker

Two 4 1/2-in woofers, 1-in dome tweeter. Designed for home theater systems. FR 50-30,000 Hz; sens 86 dB/W/m; Imp 6 ohms. Black \$190/pr

M/65 2-Way Bookshelf Speaker

Two 4 1/2-in woofers, 1-in dome tweeter. Designed for home theater systems. FR 100-30,000 Hz; sens 84 dB; 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. Lifetime guarantee \$60/pr

KCS Series

The following feature a 2-way tuned-port design, a foam woofer suspension, a 1-in woofer voice coil, an aluminum tweeter voice coil, 4-ohm impedance, a black-ash vinyl finish, and a 5-yr warranty.

KCS/200 2-Way Speaker

8-in polypropylene woofer, 1-in ferrofluid-cooled polyimide-dome tweeter. Power handling 125 W max; FR 40-20,000 \pm 3 dB; sens 90 dB \$339

KCS/100 2-Way Bookshelf Speaker

6 1/2-in polypropylene woofer, 7/8-in ferrofluid-cooled polyimide-dome tweeter. Power handling 100 W max; FR 60-20,000 \pm 3 dB; sens 86 dB. 8 1/4 x 15 x 8 1/2 in \$279

KCS/50 2-Way Bookshelf Speaker

5-in polypropylene woofer, 7/8-in ferrofluid-cooled polyimide-dome tweeter. Power handling 75 W; FR 70-20,000 \pm 3 dB; sens 86 dB. 7 x 12 x 8 1/2 in \$239

Hard Driver Series

HD/1 Powered Mini Speaker System

Two speakers, each with 3-in driver. Designed for computers. Features magnetic shielding. Volume and bass-boost controls. Power handling 7.2 W max; FR 50-20,000 Hz. Beige. Lifetime guarantee \$40

HD/3. Above with HD/2 headphones \$60

HD/4 Powered Mini Speaker System

Two speakers, each with 3 1/2-in driver. Designed for computers. Features magnetic shielding. 3-band EQ; volume control. Operates on 4 C batteries or 6-V DC. Power handling 7.2 W max; FR 50-20,000 Hz; sens 105 dB SPL/W/m. Beige. Lifetime guarantee \$60

HD/6 Powered Mini Speaker System

Two speakers, each with 4-in driver. Designed for computers. Features magnetic shielding. Auto turn-on/off; dynamic bass boost and volume controls. Operates on 4 C batteries or 6-V DC. Power handling 5 W max; FR 50-20,000 Hz; sens 105 dB SPL/W/m. Off-white. Lifetime guarantee \$100

KUSTOM

KWS Subwoofer

12-in driver. Designed for corner placement. 2 1/2-in voice coil; 70-oz magnet. Imp 4/8 ohms. Matte-black laminate finish. 18 x 14 1/2 x 14 1/2 in \$500

KSW-12 Subwoofer

Vented design with 12-in driver. Designed to be mounted between joists under a floor. Features HVAC top vent; 80-oz driver magnet; 2 1/2-in driver voice coil. Power handling 400 W max; crossover point 150 Hz; FR 32-20,000 Hz; sens 95 dB SPL/W/m; Imp 4/8 ohms. 32 x 6 1/2 x 14 in \$470

KWS2 In-Wall Speaker

Includes mounting hardware \$250/pr

S P E A K E R S

KOS2 2-Way Speaker

Designed for outdoor use. Features ABS plastic shell; omnidirectional design. Includes mounting bracket. FR 90-18,000 Hz. 10-in height x 8-in diameter \$180/pr

KCS2 Ceiling Speaker

5-in driver. Features 1-in voice coil; 16-oz magnet. Includes mounting ring. FR 50-20,000 Hz; imp 8 ohms \$150/pr

LANCER

LE-150A 3-Way Speaker

Vented design with 10-in woofer, 4-in midrange, and 1-in dome tweeter. Crossover points 800 and 4,000 Hz; FR 28-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. 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. Crossover point 3,200 Hz; FR 42-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Oak-lacquer finish. 8 x 29 x 10 in; 30 lb \$500/pr

Video HTR 2-Way Surround Speaker

Sealed cabinet with two 4½-in woofers and two ¾-in dome tweeters in dipole configuration. 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 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 Bookshelf Speaker

Vented design with 6½-in woofer and ¾-in dome tweeter. Crossover point 3,000 Hz; FR 49-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Oak-lacquer finish. 9 x 14 x 8 in; 12 lb \$250/pr

LE-15W Subwoofer

Band-pass design with two 6½-in drivers. Crossover point 160 Hz; FR 38-160 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Black. 9 x 14 x 20 in; 35 lb \$250

LE-25 2-Way Bookshelf Speaker

Vented design with 4-in woofer and ¾-in dome tweeter. Crossover point 3,500 Hz; FR 55-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Oak-lacquer finish. 8 x 10 x 8 in; 7.5 lb \$220/pr

Video HTF 2-Way Satellite Speaker

Sealed cabinet 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

LINAEM

Model 9B Subwoofer/Satellite System

Two subwoofers, each with two compression-loaded 10-in cone drivers; 2 line-source panels, each with 9 TLS single-pole drivers; 8-in coupling driver. FR 80-16,000 Hz; sens 88 dB SPL/W/m. Piano gloss black finish. Subwoofer: 16 x 72 x 8 in. Satellites: 14 x 72 x 8 in \$15,850
Passive crossover in Corian chassis \$900

Model 3 3-Way Speaker

TLS-1.25 driver, two TLS-6 drivers in parallel, and 10-in cone driver. Features slot-loaded cabinet; 6-dB/oct crossover. Biwire/blamp terminals. Crossover points 600 and 15,000 Hz; frequency response 25-30,000 Hz; sensitivity 90 dB SPL/W/m; impedance 8 ohms. Piano gloss black finish. 5-yr warranty. Dimensions: 14 x 43 x 19 in; weight: 70 lb \$4,800/pr

LFX C 2-Way Bookshelf Speaker

Ported design with 5¼-in cone woofer and TLS-1.25 dipole driver. Features 6-dB/oct crossover. Biwire/blamp terminals. FR 60-30,000 Hz; sens 88 dB SPL/

W/m; imp 4 ohms. Solid black pearl Corian cabinet. 6½ x 10 x 7 in; 15 lb \$1,200/pr
LFX S. As LFX C, with black-ash woodgrain 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. FR 35-23,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Black-ash woodgrain finish. 11 x 43 x 9 in; 51 lb \$895/pr

Extreme 2-Way Bookshelf Speaker

6½-in woofer, TLS-2 driver. High- and low-pass crossovers. Sens 91 dB SPL/W/m; imp 8 ohms. Black-ash woodgrain finish. 8½ x 14 x 9½ in \$300/pr

LINN

Keltik Aktiv 3-Way Speaker

Isobarik design with two woofers, one carbon-loaded cone midrange, and one ceramic tweeter. FR 20-20,000 Hz ± 1 dB. 10 x 40 x 14½ in \$8,995/pr

Kaber 3-Way Speaker

Two 5-in woofers, ¾-in tweeter. Features woofers with different resonances and crossover points. Triwire/triamp terminals. Walnut or black-ash finish \$2,595/pr

Kelldh 2-Way Speaker

Two woofers, one ceramic tweeter. FR 50-20,000 Hz ± 2 dB. 8 x 33 x 10 in; 37 lb \$1,295/pr

Kan II 2-Way Bookshelf Speaker

Acoustic-suspension design with 5-in woofer, ¾-in dome tweeter. FR 70-20,000 Hz ± 3 dB; imp 8 ohms. 7½ x 12 x 6½ in \$995/pr

Index II 2-Way Bookshelf Speaker

Acoustic-suspension design with 6-in woofer and 1-in dome tweeter. Power handling 50 W; FR 60-20,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. Black woodgrain finish. 11 x 17 x 8 in; 17 lb \$595/pr

MAGNEPAN

The following are available in various finishes.

MG-20 3-Way Speaker

Diplanar woofer, quasi-ribbon midrange, ½ x 60-in ribbon tweeter. Biwire/blamp terminals. Crossover points 200 and 3,000 Hz; FR 20-40,000 Hz ± 3 dB; imp 4 ohms \$8,500/pr

MG 3.3/R 3-Way Speaker

628-square-in planar-magnetic woofer, 3 x 57-in planar-magnetic midrange, ½ x 60-in ribbon tweeter. Power handling 200 W cont avg; crossover points 250 and 1,000 Hz; FR 32-40,000 Hz ± 3 dB; sens 85 dB SPL/W/m; imp 4 ohms. 24 x 71 x 1¼ in; 130 lb \$3,000/pr

MG 2.6/R 2-Way Speaker

609-square-in planar-magnetic woofer, planar-magnetic midrange, ¼ x 40-in ribbon tweeter. Power handling 200 W cont avg; crossover point 1,000 Hz; FR 37-40,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 4 ohms. 22 x 71 x 1¼ in; 110 lb \$1,950/pr

MG 1.5/QR 2-Way Speaker

480-square-in planar-magnetic woofer, 1½ x 52-in quasi-ribbon tweeter. FR 40-22,000 Hz ± 3 dB; sens 85 dB SPL/W/m; imp 5 ohms \$1,350/pr

MG 10/QR 2-Way Speaker

340-square-in planar-magnetic woofer, 1½ x 55-in quasi-ribbon tweeter. Power handling 200 W; crossover point 1,100 Hz; FR 80-22,000 Hz ± 3 dB; sens 96 dB SPL/W/m; imp 4 ohms \$1,175

MG .5/QR 2-Way Speaker

370-square-in planar-magnetic woofer, 1½ x 40-in quasi-ribbon tweeter. Power handling 50 W cont avg; crossover point 900 Hz; FR 45-22,000 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 4 ohms \$975/pr

SMGB 2-Way Speaker

370-square-in planar-magnetic woofer, 1½ x 38-in quasi-ribbon tweeter. Power handling 200 W max; crossover point 900 Hz; FR 50-22,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 4 ohms \$690

M&K SOUND

MX-1000CC Subwoofer/Center-Channel System

2 powered 12-in woofers, two passive 5-in polypropylene midranges, three passive 1-in soft-dome tweeters. Designed for home theater systems. Features bass-level and upper roll-off frequency controls. 26 x 28 x 25 in; 134 lb \$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. FR 100-20,000 Hz ± 3 dB; imp 4 ohms. 16 x 7 x 7 in; 22 lb \$1,450/pr

S-100B Satellite Speaker

Two 5-in polypropylene midranges, three 1-in soft-dome tweeters. Features midrange and treble balance switches. Glass-bead black finish \$995/pr
Above with magnetic shielding. 12 x 10½ x 8½ in; 22 lb \$1,120/pr

Satellite 1C Satellite Speaker

Acoustic-suspension design with two 5-in polypropylene woofers and two 1-in soft-dome tweeters. Features selector for 36 tonal balances. Power handling 400 W; imp 4 ohms. Oak or black-oak finish. 7¾ x 21 x 10 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 6½-in polypropylene woofers and two 1-in open-back transmission-line dome tweeters. Features THX certification; tonal balance control. FR 80-20,000 Hz ± 2 dB; imp 4 ohms. 24 x 12 x 12 in; 55 lb \$950

S-90 2-Way Bookshelf Speaker

Trapezoidal sealed-box design with 6½-in polypropylene woofer and 1-in soft-dome tweeter. Features tonal-balance control. Oak or black finish. Power handling 200 W; FR 80-20,000 Hz ± 3 dB. 12 x 12 x 9¾ in; 18 lb \$795/pr

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. Power handling 200 W; FR 90-20,000 Hz ± 3 dB. 10½ x 8 x 6½ in; 10 lb \$550/pr

SX-7 2-Way Bookshelf Speaker

Acoustic-suspension design with 4-in paper-cone midrange and ¾-in soft-dome tweeter. Features cast-aluminum cabinet; circuit-breaker protection. Mounting brackets optional. Power handling 100 W; FR 100-20,000 Hz ± 3 dB; imp 4 ohms. Black or white. 4½ x 7¾ x 4½ in; 6 lb \$270/pr

Subwoofers

MX-5000 THX Powered Subwoofer

Sealed-box design with two 12-in shielded drivers; integral 400-W rms amp. Features THX certification; push-pull driver configuration. Line- and speaker-level inputs. Level control. Crossover point adjustable from 50-125 Hz; FR 18-125 Hz. Oak or black-oak finish. 23¼ x 15½ x 26 in; 115 lb \$2,195

MX-2000 Powered Subwoofer

Two 12-in drivers; 300-W amp. Features push-pull driver configuration; variable low-pass crossover. Line- and speaker-level inputs. FR 20-125 Hz ± 3 dB. Oak or black oak finish. 18¾ x 23 x 25½ in. \$1,795

MX-1000 Powered Subwoofer

Acoustic-suspension pedestal design with two 12-in drivers. Can double as TV stand. Features magnetic shielding. 26 x 28 x 24 in; 115 lb \$1,295

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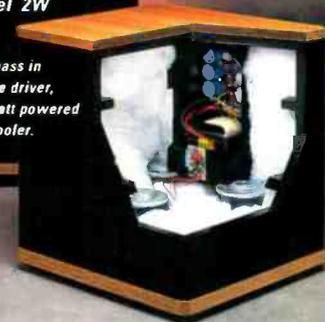
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S P E A K E R S

MX-100 Powered Subwoofer

Acoustic-suspension design with two 12-in drivers; 200-W amp. Features push-pull driver configuration. Level control. Crossover point selectable at 50 or 125 Hz; FR 20-125 Hz ± 3 dB. Walnut, oak, or black-oak finish. 15 $\frac{1}{4}$ x 23 $\frac{3}{4}$ x 20 in; 78 lb \$1,295

V-100 Powered Subwoofer

12-in dual-voice-coil driver; 200-W amp. Features adjustable crossover. FR 20-125 Hz. Walnut, oak, or black-oak finish. 18 x 18 $\frac{1}{4}$ x 15 $\frac{1}{4}$ in; 65 lb \$995

MX-90 Powered Subwoofer

Acoustic-suspension design with two 12-in drivers; 125-W amp. Features push-pull driver configuration. Level control. Crossover selectable at 50 or 125 Hz; FR 25-125 Hz ± 3 dB. Walnut, oak, or black-oak finish. 15 $\frac{1}{4}$ x 23 $\frac{3}{4}$ x 20 in; 70 lb \$995

MX-80 Powered Subwoofer

Acoustic-suspension design with two 12-in drivers; 75-W amp. Features push-pull driver configuration. Level control. Crossover selectable at 50 or 125 Hz; FR 25-125 Hz ± 3 dB. Walnut, oak, or black-oak finish. 15 $\frac{1}{4}$ x 23 $\frac{3}{4}$ x 18 in; 64 lb \$850

MX-70 Powered Subwoofer

Acoustic-suspension design two 8-in drivers; 125-W amp. Features push-pull driver configuration. Level control. Crossover selectable at 50 or 125 Hz; FR 25-125 Hz ± 3 dB. Glass-bead black finish. 10 x 18 x 13 $\frac{1}{2}$ in; 48 lb \$850

V-90 Powered Subwoofer

Sealed-box design with 12-in polypropylene driver; 90-W amp. Line- and speaker-level inputs. Level control. Crossover selectable at 50 or 125 Hz; FR 20-125 Hz ± 3 dB. Black. 18 x 15 $\frac{1}{4}$ x 16 $\frac{1}{4}$ in \$750

V-3B Powered Subwoofer

Acoustic-suspension design with 12-in polypropylene driver; integral power amp. Level control. Crossover selectable at 50 or 125 Hz; FR 25-125 Hz ± 3 dB. Black. 18 x 15 $\frac{1}{4}$ x 14 $\frac{1}{2}$ in; 38 lb \$650

VX-4 Subwoofer

12-in driver. Features adjustable low-pass filter. Power handling 50 W cont; FR 40-125 ± 3 dB. Black. 18 x 18 x 14 $\frac{3}{4}$ in; 33 lb \$495

VX-7 Powered Subwoofer

Acoustic-suspension design with 8-in driver; 50-W amp. FR 40-125 Hz ± 3 dB. Black \$425

MARTIN-LOGAN

The Statement Electrostatic Speaker System

2 woofer towers, each with four 12-in drivers mounted in individually sealed antiresonant chambers; 2 visually transparent curvilinear electrostatic panels. Features 4-chassis dual-mono active crossover with power supplies in 2 chassis and proprietary discrete Class A differential FET buffer topology in other 2. Power handling 250 W cont/module; FR 16-22,000 Hz ± 1.5 dB; sens 90 dB SPL/W/m; imp 6 ohms. Electrostatic panels: 39 $\frac{1}{2}$ 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 Electrostatic Speaker

Curvilinear 2 x 4-ft electrostatic panel mounted atop tuned subwoofer box with 12-in cone driver. Designed for wide dispersion without use of lenses. Features 2-in woofer voice coil; active crossover. Power handling 250 W cont; FR 28-24,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 6 ohms. 25 x 75 x 13 $\frac{1}{2}$ in; 165 lb \$9,500/pr
With passive crossover \$6,500/pr

The Quest Electrostatic Speaker

18 x 48-in curvilinear electrostatic panel mounted atop tuned subwoofer cabinet with 12-in driver. Power handling 200 W cont; crossover point 150 Hz; FR 28-24,000 Hz ± 2 dB; sens 90 dB; imp 6 ohms. Various finishes. 19 x 73 x 18 in. \$3,995/pr

The CLS II Electrostatic Speaker

Curved visually transparent 2 x 4-ft electrostatic cell. Features 30° horizontal dispersion; Inverted line-source format; arc-free diaphragm. Power handling 150 W cont; FR 40-22,000 Hz ± 2 dB; sens 85 dB SPL/W/m; imp 6 ohms \$3,500/pr

The Sequel II Electrostatic Speaker

10-in subwoofer in tuned chamber, visually transparent 1 x 4-ft electrostatic cell. Features 30° horizontal dispersion; inverted line-source format. Power handling 200 W cont; FR 30-24,000 Hz ± 2 dB; sens 89 dB SPL/W/m; imp 6 ohms \$2,995/pr

The Stylos Electrostatic Speaker

6 $\frac{1}{2}$ -in woofer, 9 $\frac{1}{2}$ x 40-in curvilinear electrostatic element. In/on-wall mounting optional. FR 50-20,000 Hz ± 3 dB; imp 4 ohms \$2,750/pr

The Aerius Electrostatic Speaker

8-in woofer, 9 $\frac{1}{2}$ x 40-in curvilinear electrostatic driver. Power handling 200 W cont; crossover point 500 Hz; FR 40-20,000 Hz ± 3 dB; sens 89 dB; imp 4 ohms \$1,995/pr

The Logos 3-Way Electrostatic Center-Channel Speaker

6 $\frac{1}{2}$ -in woofer, 2 curvilinear electrostatic midrange panels, 1-in tweeter. FR 50-20,000 Hz ± 3 dB; sens 90 dB; imp 4 ohms \$1,700

MASTON

The following are available in oak, walnut veneer, or lacquer finishes.

Limited Edition Reference System

Subwoofer with 12-in driver, full-range satellite. Features onboard passive crossover; Cardas wiring. Cardas rhodium-plated triwire/triamp connectors. Power handling 150 W cont; FR 32-20,000 Hz; sens 87 dB SPL/W/m \$6,975
Maston Deluxe Reference System. As above, thinner enclosure walls \$3,975

Maston 2-Way Speaker

7-in woofer, 1-in dome tweeter. Power handling 135 W rms; FR 37-20,000 Hz; sens 87 dB SPL/W/m. 14 x 21 x 14 in; 50 lb \$1,975

Maston 3-Way Speaker

12-in poly-cone woofer, 5-in midrange, 1-in tweeter. FR 37-20,000 Hz; sens 90 dB SPL/W/m. 14 $\frac{1}{2}$ x 37 x 11 in; 70 lb \$1,599

Maston 2-Way Bookshelf Speaker

Ported design with 7-in woofer and 1-in tweeter. Power handling 135 W; FR 50-20,000 Hz; sens 87 dB SPL/W/m. 10 x 14 x 11 $\frac{1}{2}$ in; 20 lb \$949

Maston 2-Way Bookshelf Speaker

Ported design with 6 $\frac{1}{2}$ -in woofer and 1-in aluminum-dome tweeter. Power handling 75 W; FR 70-20,000 Hz; sens 88 dB SPL/W/m. 9 x 13 x 7 in; 15 lb \$649

MB QUART

Quart 2000 3-Way Speaker

Bass-reflex design with two 8-in resin-coated fiber-cone woofers, two 5 $\frac{1}{2}$ -in midranges, and one 1-in titanium-dome tweeter. Features D'Appolito driver configuration. Power handling 200 W cont; FR 28-32,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. Black-ash, white-ash, hand-rubbed walnut veneer, hand-rubbed oak veneer, or raw-oak veneer finish; other finishes available. 10 $\frac{3}{4}$ x 48 x 13 $\frac{3}{4}$ in \$2,799/pr

Quart 1600 2-Way Speaker

Bass-reflex design with two 6 $\frac{1}{2}$ -in resin-coated fiber-cone woofers and 1-in titanium dome tweeter. Power handling 140 W cont; FR 35-32,000 Hz; sens 88 SPL/W/m; imp 4 ohms. Black-ash, white-ash, hand-rubbed beech veneer, or black beech standard finish; other finishes available. 12 $\frac{1}{4}$ x 42 $\frac{3}{4}$ x 14 $\frac{1}{4}$ in; 44 lb \$1,999/pr

Quart 1000 3-Way Speaker

Bass-reflex design with 8-in polypropylene woofer, 6 $\frac{1}{2}$ -in polypropylene midrange, and 1-in titanium-dome tweeter. Power handling 140 W cont; FR 31-32,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms. Black-ash, white-ash, hand-rubbed walnut veneer, hand-rubbed oak veneer, or raw-oak veneer finish; other finishes available. 10 $\frac{3}{4}$ x 39 $\frac{3}{4}$ x 11 $\frac{3}{4}$ in; 51.9 lb \$1,499/pr

Quart 600 2-Way Speaker

Bass-reflex design with 8-in polypropylene woofer and 1-in titanium-dome tweeter. Power handling 110 W cont; FR 35-32,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms. Black-ash, white-ash, hand-rubbed oak veneer, hand-rubbed oak veneer, or raw-oak veneer finish; other finishes available. 10 x 31 $\frac{1}{2}$ x 11 $\frac{1}{2}$ in; 35.3 lb \$999/pr

Quart 500 2-Way Bookshelf Speaker

Bass-reflex design with 8-in polypropylene woofer and 1-in titanium-dome tweeter. Power handling 110 W cont; FR 38-32,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms. Black-ash, white-ash, hand-rubbed oak veneer, hand-rubbed oak veneer, or raw-oak veneer finish; other finishes available. 10 $\frac{3}{4}$ x 17 $\frac{3}{4}$ x 11 $\frac{1}{4}$ in; 23.2 lb \$799/pr

Quart Three 2-Way Speaker

Acoustic-suspension design with two 6 $\frac{1}{2}$ -in woofers and 1-in titanium-dome tweeter. Features butyl-rubber woofer surrounds; 6-dB/oct crossover at 120 Hz; 18-dB/oct crossover at 2,900 Hz. Includes removable isolation spikes. Power handling 90 W cont avg; FR 33-32,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Black. 8 $\frac{1}{4}$ x 35 $\frac{3}{4}$ x 10 in; 32 lb \$799/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 $\frac{3}{4}$ x 13 x 3 $\frac{3}{4}$ in; 5.7 lb \$649/pr

Quart Two XL 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in woofer and 1-in titanium-dome tweeter. Features butyl-rubber woofer surround. 12- and 18-dB/oct crossover slopes. Includes removable isolation spikes. Power handling 80 W cont; crossover point 2,800 Hz; FR 42-32,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Black. 8 $\frac{3}{4}$ x 33 x 9 $\frac{1}{2}$ in; 24.2 lb \$549/pr

Quart One 2-Way Bookshelf Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in woofers and 1-in titanium-dome tweeter. Features butyl-rubber woofer surround; 12- and 18-dB/oct crossover slopes. Includes removable isolation spikes. Power handling 60 W cont; crossover point 2,800 Hz; FR 49-32,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Black. 8 $\frac{3}{4}$ x 13 $\frac{1}{2}$ x 9 $\frac{1}{2}$ in; 13.2 lb \$399/pr

Quart 250 2-Way Outdoor Speaker

5 $\frac{1}{2}$ -in aluminum-cone woofer, 1 $\frac{1}{2}$ -in polycarbonate-dome tweeter. Features injection-molded fiberglass-reinforced plastic-resin cabinet; butyl-rubber woofer surround; 12- and 18-dB/oct crossover slopes. Power handling 50 W continuous; crossover point 3,200 Hz; frequency response 78-22,000 Hz; sensitivity 88 dB sound-pressure level/watt/meter; impedance 4 ohms. Black or white. 7 $\frac{1}{4}$ x 9 $\frac{1}{2}$ x 3 $\frac{3}{4}$ in \$399/pr

MCINTOSH

XR-290 3-Way Speaker

Infinite-baffle parallel-column design with four 12-in woofers, twelve 5-in midranges, and twenty-four 1-in dome tweeters. Features overload protection. Gold-plated biamp/triamp terminals. Power handling 1,200 W max; crossover points 400 and 1,300 Hz; FR 16-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Oak, walnut, or black-ash finish. 29 x 83 x 13 in; 364 lb \$25,000/pr

XRT-26 3-Way Speaker

Infinite-baffle 2-piece design with two 12-in woofers and one 8-in midrange in one enclosure, twenty-

S P E A K E R S

three 1-in aluminum-dome tweeters in second enclosure. Power handling 1,000 W max; crossover points 100, 250 and 1,500 Hz; FR 28-20,000 Hz \pm 2 dB; sens 87 dB SPL/W/m; imp 4 ohms. Walnut or black ash finish. Bass cabinet: 15 x 44 x 20 in. Tweeter column: 17 x 86 x 15 in \$12,000/pr

XRT-22 3-Way Speaker

3-piece design with two 12-in woofers and 8-in midrange in one enclosure, twenty-three 1-in dome tweeters in each of 2 other enclosures. Power handling 600 W max; crossover points 100, 250, and 1,500 Hz; FR 20-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Oak or walnut finish. Bass cabinet: 25 $\frac{3}{4}$ x 40 $\frac{1}{2}$ x 12 $\frac{3}{4}$ in. Tweeter columns: 10 $\frac{1}{2}$ x 79 $\frac{1}{2}$ x 1 $\frac{1}{2}$ in. 156 lb \$4,550

LS-350 3-Way Speaker

Infinite-baffle design with two 10-in woofers, one 5-in midrange, and one 1-in aluminum-dome tweeter. Power handling 300 W max; crossover points 450 and 2,500 Hz; FR 45-22,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 4 ohms. Walnut or black-ash finish. 15 $\frac{1}{2}$ x 44 x 12 $\frac{3}{4}$ in, 88 lb \$3,000/pr

XRT-18 3-Way Speaker

2-piece design with 12-in woofer and 6-in midrange in one enclosure, sixteen 1-in dome tweeters in each of 2 other enclosures. Power handling 500 W max; crossover points 350 and 1,500 Hz; FR 20-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. Bass cabinet: 17 $\frac{1}{2}$ x 27 $\frac{1}{4}$ x 11 $\frac{3}{4}$ in. Tweeter column: 10 $\frac{1}{2}$ x 57 $\frac{1}{4}$ x 1 $\frac{1}{2}$ in. 108 lb \$2,699

LS-330 2-Way Speaker

Infinite-baffle design with two 8-in woofers and one 1-in aluminum-dome tweeter. Power handling 300 W max; crossover point 3,500 Hz; FR 55-22,000 Hz \pm 2 dB; sens 88 dB SPL/W/m; imp 4 ohms. Walnut or black-ash finish. 13 x 36 x 12 in; 61 lb \$2,000/pr

HT-3F 2-Way Surround Speaker

Infinite-baffle dipole design with two 5-in woofers and two 1-in aluminum-dome tweeters. Features THX certification; neodymium iron-boron magnets. Power handling 150 W max; crossover point 1,500 Hz; FR 85-12,000 Hz; imp 4 ohms. Textured black finish. 16 x 16 x 6 in; 20 lb \$2,000/pr

HT-3W. Wall-mount version of above \$2,000/pr

HT-2 Subwoofer

Vented design with two 12-in drivers. Features THX certification. Power handling 600 W max; crossover point 200 Hz; FR 42-200 Hz \pm 2 dB; sens 91 dB SPL/W/m; imp 4 ohms. Walnut or black-ash finish. 30 x 21 x 20 in; 90 lb \$1,500

XR-250 3-Way Speaker

Two 10-in woofers, 5-in midrange, and 1-in dome tweeter. Features solid-state current protection. Power handling 300 W max; crossover points 450 and 1,300 Hz; FR 20-20,000 Hz; sens 84 dB SPL/W/m; imp 8 ohms. Oak, walnut, or black-lacquer hardwood finish. 14 x 47 $\frac{1}{4}$ x 12 $\frac{3}{4}$ in; 79.5 lb \$1,499

XR-240 3-Way Speaker

12-in woofer, 6 $\frac{1}{2}$ -in midrange, 1-in dome tweeter. Features solid-state current protection. Power handling 300 W max; crossover points 375 and 1,200 Hz; FR 20-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. Oak, walnut, or black-lacquer hardwood finish. 15 x 43 $\frac{3}{4}$ x 13 $\frac{1}{4}$ in; 75 lb \$1,150

LS-310 2-Way Speaker

Infinite-baffle design with 8-in woofer and 1-in aluminum-dome tweeter. Power handling 200 W max; crossover point 2,500 Hz; FR 58-22,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms. Walnut or black-ash finish. 10 $\frac{1}{2}$ x 18 $\frac{1}{2}$ x 10 $\frac{1}{2}$ in; 29 lb \$1,000/pr

HT-1 2-Way Speaker

Infinite-baffle design with two 8-in woofers and three 1-in aluminum-dome tweeters. Features THX certification; neodymium iron-boron magnet. Power handling 300 W max; crossover point 1,400 Hz; FR 55-

22,000 Hz \pm 1.2 dB; sens 89 dB SPL/W/m; imp 4 ohms. Walnut or black-ash finish. 17 x 23 x 11 in; 43 lb \$1,000

XR 230 3-Way Speaker

10-in woofer, 5-in midrange, 1-in dome tweeter. Features solid-state current protection. Power handling 300 W max; crossover points 375 Hz and 1,200 Hz; FR 20-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. Oak, walnut, or black-lacquer hardwood finish. 13 x 40 $\frac{1}{4}$ x 11 $\frac{1}{4}$ in; 56.6 lb \$750

WS200 2-Way In-Wall Speaker

Infinite-baffle design with 6-in woofer and 1-in dome tweeter. Features solid-state current protection. Power handling 80 W max; crossover point 1,300 Hz; FR 60-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. 9 x 12 x 3 in; 7 lb \$600/pr

XL-1 2-Way Bookshelf Speaker

6-in woofer, 1-in dome tweeter. Power handling 150 W max; crossover point 1,000 Hz; FR 70-20,000 Hz; sens 85 dB SPL/W/m; imp 8 ohms. Walnut finish. 8 $\frac{1}{2}$ x 12 $\frac{3}{4}$ x 7 in; 15.5 lb \$599/pr

XL-1W. Subwoofer for above. Walnut finish \$549

MCNEILL

Big Bass Subwoofer

Acoustic-suspension design with 18-in dual-voice-coil driver. 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 two 8-in woofers and one 1-in tweeter. Power handling 150 W max; FR 28-22,000 Hz; sens 92 dB; imp 4 ohms. Black. 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. 10 x 20 x 13 in; 30 lb \$199

Baby 2-Way Bookshelf Speaker

Acoustic-suspension design with 4-in woofer and 1-in tweeter. Power handling 99 W max; FR 80-22,000 Hz; sens 92 dB; imp 8 ohms. Black. 5 x 11 x 6 in; 7 lb \$99

MEMOREX

WeatherMates

The following feature a weatherproof enclosure and are available in black or white.

WM-500 2-Way Outdoor Speaker

Acoustic-suspension design with 5 $\frac{1}{4}$ -in woofer and 1-in dome tweeter. Features aluminum cabinet. Crossover point 2,400 Hz; FR 49-20,000 Hz; imp 8 ohms. 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. Crossover point 2,600 Hz; FR 55-20,000 Hz; imp 8 ohms. 6 x 5 x 8 in; 5 lb \$129/pr

WM-100 2-Way Outdoor Speaker

Ported design with 4 $\frac{1}{2}$ -in woofer and 1 $\frac{1}{2}$ -in cone tweeter. FR 100-17,100 Hz; imp 4 ohms. 6 x 8 x 9 in; 4.3 lb \$99/pr

MERIDIAN

D6000 Digital Powered Speaker

Four 8-in drivers in one sealed enclosure; 6 $\frac{1}{2}$ -in midrange and 1-in aluminum-dome tweeter in second enclosure; four 75-W amps; digital signal processor. Features three 1-bit D/A converters; silver tweeter voice-coil wiring; proprietary PLL digital-input circuitry. 2 coaxial and 2 fiber-optic digital inputs.

Digital crossover, tone control, and time and frequency EQ functions; LED display for CD track/time, volume level, tuning/preset information from Meridian 204 tuner; remote control. FR 20-20,000 Hz. Black-lacquer finish \$15,000/pr

D5000 Digital Powered Speaker

Vented triamplified design with 6 $\frac{1}{2}$ -in woofer, 6 $\frac{1}{2}$ -in midbass, and 1-in metal-dome tweeter, three 65-W amps; preamp. 2 digital inputs. Display for source information when connected to 200 Series components; frequency shaping and tilt controls; remote control. FR 36-20,000 Hz; sens 110 dB. Rosewood finish. 8 $\frac{1}{4}$ x 35 $\frac{1}{2}$ x 11 $\frac{3}{8}$ in \$5,240/pr

Above with black-ash finish \$4,990/pr

M60 MkII. As above, without digital processor, preamp, or display. Rosewood finish \$3,245/pr

M60 MkII with black-ash finish \$2,995/pr

A3 3-Way Speaker

2 polypropylene woofers, polypropylene midrange, aluminum tweeter. Features MDF cabinet. Triwire/triamp terminals. Sens 90 dB SPL/W/m. Black-ash or rosewood finish. 8 $\frac{1}{2}$ x 41 x 12 in \$2,500/pr

A1 2-Way Bookshelf Speaker

Kevlar-cone woofer, aluminum-dome tweeter. Biwire/blamp terminals. Black glass piano lacquer finish. Sens 87 dB SPL/W/m. 11 x 13 x 11 in; 27.5 lb \$1,995/pr

M30 MkII 2-Way Powered Speaker

Vented biamplified design with 6 $\frac{1}{2}$ -in midbass driver, 1-in metal-dome tweeter; two 70-W internal amps. Features PVC surrounds. Balance and unbalanced inputs. Auto turn-on. FR 40-20,000 Hz; sens 106 dB SPL/W/m. Walnut or black-ash finish \$1,990/pr

A2 2-Way Speaker

Kevlar-cone woofer, aluminum-dome tweeter. Features MDF cabinet. Biwire/biamp terminals. Sens 88 dB SPL/W/m. Black-ash or rosewood finish. 8 $\frac{1}{2}$ x 20 x 12 in; 28.8 lb \$1,600/pr

P16S 2-Way In-Wall Speaker

8 $\frac{3}{8}$ -in woofer, $\frac{1}{2}$ -in tweeter. Power handling 70 W max; FR 6-17,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Available with square bezel. 8 x 8 x 3 $\frac{3}{8}$ in \$400/pr

P16R 2-Way In-Wall Speaker

8 $\frac{3}{8}$ -in woofer, $\frac{1}{2}$ -in tweeter. Power handling 70 W; FR 6-17,000 Hz; sens 88 dB; imp 4 ohms. Available with round bezel. 8 x 8 x 3 $\frac{3}{8}$ in \$400/pr

MERLIN

The following feature mechanical driver time alignment, Cardas wiring, Music Post connectors, and a 5-yr parts-and-labor warranty.

Excalibur II 3-Way Speaker

Vented design with two 8-in woofers, two 4 $\frac{1}{2}$ -in midranges, and 1-in tweeter. Features point-source configuration; mass loading; acoustic tie. Power handling 200 W; FR 30-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 6 ohms \$9,200/pr

Pendragon II 3-Way Speaker

Vented design with 8-in woofer, 4 $\frac{1}{2}$ -in midrange, and 1-in tweeter. Features quasi-point-source configuration; mass loading; acoustic tie. Power handling 150 W; FR 35-20,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 6 ohms. 14 x 48 x 17 in; 165 lb \$7,200/pr

EXL III 3-Way Speaker

Vented design with 8-in woofer, 4 $\frac{1}{2}$ -in midrange, and 1-in ferrofluid-cooled aluminum-dome tweeter. Features quasi-point-source configuration; 6-dB/oct crossovers; inductors wound with 16-gauge wire; sand-loading compartment. Copper 5-way biwire/blamp binding posts. Tweeter level control. Power handling 150 W; crossover points 500 and 3,000 Hz; FR 33-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 6 ohms. 12 x 45 $\frac{1}{4}$ x 15 in; 120 lb \$3,600

S P E A K E R S

EXL II 2-Way Speaker

Vented design with 8-in woofer and 1-in ferrofluid-cooled cloth-dome tweeter. Quasi-point-source configuration; 6-dB/oct crossover; inductors wound with 16-gauge wire; sand-loading compartment. Copper 5-way biwire/biamp binding posts. Tweeter level control. Power handling 120 W; crossover point 2,200 Hz; FR 38-25,000 Hz ± 3 dB; sens 91 dB SPL/W/m; imp 6 ohms. 11 1/2 x 43 1/2 x 1 1/2 in. \$2,200

EXL I 2-Way Speaker

Vented design with 6-in woofer and 1-in ferrofluid-cooled titanium-dome tweeter. Features quasi-point-source configuration; 6-dB/oct crossover; 16-gauge wire inductors; sand-loading compartment. Copper 5-way biwire/biamp binding posts. Tweeter-level control. Power handling 80 W; crossover point 2,700 Hz; FR 45-20,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 6 ohms. 10 x 38 x 10 in; 45 lb. \$1,700

MIRAGE

M-990 3-Way Speaker

Two 6 1/2-in polypropylene woofers, rear-radiating 5-in midrange, and 1-in titanium tweeter. Features rubber woofer surround; cloth tweeter suspension. Biwire/biamp terminals. Power handling 175 W cont; crossover points 500 and 2,000 Hz; FR 35-22,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 6 ohms. Gloss finish. 10 x 44 x 11 in; 70 lb. \$1,300/pr

M-790 3-Way Speaker

8-in polypropylene woofer, rear-radiating 5-in midrange, 1-in titanium tweeter. Features rubber woofer surround; cloth tweeter suspension. Biwire/biamp terminals. Power handling 150 W cont; crossover points 500 and 2,000 Hz; FR 38-22,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 6 ohms. Gloss finish. 10 x 39 x 11 in; 60 lb. \$1,100/pr

M-490 2-Way Speaker

Front-vented design with 8-in polypropylene woofer and 1-in pure-titanium tweeter. Features rubber woofer surround; cloth tweeter suspension. Power handling 150 W cont; crossover point 2,000 Hz; FR 40-22,000 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 4 ohms. Black-ash vinyl finish. 10 x 19 x 11 in; 28 lb. \$600/pr

M-290 2-Way Bookshelf Speaker

Front-vented design with 6 1/2-in polypropylene woofer and 1-in titanium tweeter. Features rubber woofer surround; cloth tweeter suspension. Power handling 100 W cont; FR 45-22,000 Hz; imp 6 ohms. Black-ash vinyl finish. 9 x 16 x 9 in; 17 lb. \$450/pr

M-190 2-Way Bookshelf Speaker

Rear-vented design with 5 1/4-in polypropylene woofer and 3/4-in titanium tweeter. Power handling 75 W cont; crossover point 2,200 Hz; FR 55-22,000 Hz ± 3 dB; sens 85 dB SPL/W/m; imp 6 ohms. Black-ash vinyl finish. 7 x 12 x 8 in; 12 lb. \$250/pr

M-190i 2-Way Bookshelf Speaker

Rear-vented design with 6 1/2-in injected-molded woofer and 1/2-in titanium-dome tweeter. Power handling 100 W; crossover point 2,300 Hz; FR 48-23,000 Hz ± 3 dB; sens 87.5 dB; imp 6 ohms. Black-ash or white finish. 8 x 14 x 9 in. \$250/pr

M-90i 2-Way Bookshelf Speaker

Rear-vented design with 5 1/2-in injected-molded woofer and 1/2-in titanium-dome tweeter. Power handling 80 W max; crossover point 3,500 Hz; frequency response 60-20,000 Hz ± 3 dB; sensitivity 86 decibels sound-pressure level/watt/meter; impedance 6 ohms. Black-ash or white finish. 7 x 12 x 8 in \$200/pr

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; crossover point 2,500 Hz; FR 60-22,000 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 8 ohms. Black-ash vinyl finish. 6 x 20 x 8 in; 15 lb. \$170

Mirage Msi Series

M1si 4-Way Speaker

Bipolar design with two 8-in carbon-filled polypropylene front and rear woofers, two 4 1/2-in carbon-filled polypropylene front and rear midranges, and two 3/4-in hyperbolic-dome front and rear tweeters. Features 1 1/2-in woofer voice coils. Biwire/biamp terminals. Power handling 400 W cont; crossover points 100, 300, and 2,300 Hz; FR 25-23,000 Hz ± 2 dB; sens 83 dB SPL/W/m; imp 6 ohms. 20 x 50 x 10 in; 185 lb. \$5,500/pr

M3si 3-Way Speaker

Bipolar design with carbon-filled polypropylene woofer, two 4 1/2-in carbon-filled polypropylene front and rear midranges, and two 3/4-in cloth-dome front and rear tweeters. Features 1 1/2-in woofer voice coils. Biwire/biamp terminals. Power handling 250 W cont; crossover points 400 and 2,200 Hz; FR 25-23,000 Hz ± 2 dB; sens 85.5 dB SPL/W/m; imp 6 ohms. 19 x 53 x 9 in; 130 lb. \$3,000/pr

BPSS-210 Powered Subwoofer

Bipolar sealed design with two 10-in drivers on opposite sides; 250 W x 1 cont avg amp. Features LFX-3 outboard crossover with adjustable high- and low-pass filters; level controls. Black gloss cabinet. 18 x 24 x 17 in. \$2,000

M5si 2-Way Speaker

Bipolar design with two 6 1/2-in carbon-filled polypropylene front and rear woofers and 3/4-in cloth-dome front and rear tweeters. Features 1-in woofer voice coils. Biwire/biamp terminals. Power handling 175 W cont; crossover point 2,200 Hz; FR 35-20,000 Hz ± 2 dB; sens 85 dB SPL/W/m; imp 4 ohms. 16 x 44 x 8 in; 75 lb. \$1,800/pr

M7si 3-Way Speaker

Bipolar design with 8-in polypropylene woofer, 1 rear-radiating 5-in midrange, and one 1-in pure-titanium tweeter. Features rubber woofer surround; cloth tweeter suspension. Biwire/biamp terminals. Power handling 125 W cont; crossover points 500 and 2,000 Hz; FR 35-22,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 6 ohms. \$1,300/pr

PS-12-180 Powered Subwoofer

Vented dynamic design with 12-in forward-radiating woofer; 180 W x 1 cont avg amp. Features overload protection circuit; integrated Class A/B amplification; variable low-pass filter. FR 25-150 Hz ± 3 dB. Black-ash vinyl finish. 17 x 18 x 19 in. \$750
PS-12-90. As above, 90-W amp. FR 28-150 Hz ± 3 dB. 17 x 16 x 17 in. \$550

MC-si 2-Way Center-Channel Speaker

Bass-reflex design with two 5 1/4-in injection-molded woofers and one 1-in titanium-hybrid dome tweeter. Features magnetic shielding; rubber woofer surrounds. Power handling 150 W max; crossover point 2,000 Hz; FR 45-23,000 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 8 ohms. Black gloss top and bottom. 8 x 19 x 12 in. \$500

MISSION

Cyrus 753 3-Way Speaker

Two 5 1/4-in plastillexed paper woofers, two 5 1/4-in midbasses, and one 1-in ferrofluid-cooled dome tweeter. Features viscoelastically damped construction; hard-wired crossover; split crossover network. Gold-plated 5-way binding posts. Crossover points 200 Hz and 2,300 Hz; frequency response 70-20,000 ± 1.5 dB; sensitivity 90 decibels SPL/W/m; impedance 6 ohms. Black/white-lacquer or wood veneer finish. 8 1/4 x 34 1/2 x 12 3/8 in. \$1,499/pr

Mission 765i 2-Way Speaker

Bass-reflex design with two 8-in polypropylene woofers and one 1-in tweeter. Features viscoelastically damped cabinet. Gold-plated 5-way binding posts. Crossover point 2,300 Hz FR 70-20,000 ± 1.5 dB; sens 93 dB SPL/W/m. \$1,199/pr

Cyrus 752 2-Way Speaker

6 1/2-in woofer, 1-in ferrofluid-cooled polypropylene/aluminum-laminated dome tweeter. Features transverse-folded cabinet with viscoelastically damped walls; edge-wound Kapton woofer voice coil. Gold-plated 5-way binding posts. Crossover point 3,100 Hz; FR 70-20,000 Hz ± 1.25 dB; sens 91 dB SPL/W/m. Black-ash or rosewood-veneer finish. 8 x 33 x 10 in. \$999/pr

Mission 764i 2-Way Speaker

Bass-reflex design with 8-in polypropylene woofer and 1-in ferrofluid-cooled composite-dome tweeter. Features viscoelastically damped cabinet; high-density-particleboard enclosure. 5-way biamp/biwire binding posts. Crossover point 2,500 Hz; FR 70-20,000 Hz; sens 89 dB SPL/W/m. Black-ash finish. 10 x 34 1/4 x 13 3/8 in. \$989/pr

Mission 763i 2-Way Speaker

Bass-reflex design with 8 1/4-in polypropylene woofer and 3/4-in ferrofluid-cooled fabric-dome tweeter. Features 1 1/2-in woofer voice coil; polyurethane foam wadding; polyester fiber damping; high-density particleboard braced cabinet. 5-way biamp/biwire binding posts. Crossover point 2,800 Hz; FR 70-20,000 Hz ± 2 dB; sens 92 dB. Black-ash finish. 10 x 31 x 11 1/4 in. \$769

Cyrus 751 2-Way Bookshelf Speaker

Bass-reflex design with 5 1/4-in plastillexed paper woofer and 1-in ferrofluid-cooled dome tweeter. Features transverse-folded cabinet with viscoelastically damped walls; Inverted Drive geometry for optimum dispersion at crossover frequency. Gold-plated 5-way binding posts. Crossover point 3,200 Hz; FR 70-20,000 Hz ± 2 dB; sens 89 dB SPL/W/m. Wood-veneer finish. 7 3/8 x 12 3/8 x 10 3/8 in. \$699/pr

Cyrus 780 2-Way Bookshelf Speaker

5 1/4-in plastillex woofer, 3/4-in polymer-dome tweeter. Features mineral-loaded polypropylene baffle. Biwire/biamp terminals. Power handling 75 W cont avg; FR 65-20,000 Hz ± 3 dB; imp 8 ohms. Black-ash or rosewood veneer. 7 1/4 x 11 1/2 x 10 in. \$499/pr

Mission 762i 2-Way Speaker

Bass-reflex design with 8 1/4-in polypropylene woofer and 3/4-in ferrofluid-cooled fabric-dome tweeter. Features 1 1/2-in voice coil; polyurethane-foam damping; high-density-particleboard enclosure; Inverted Drive unit geometry for optimum dispersion at crossover frequency. 5-way binding posts. Crossover point 2,800 Hz; FR 70-20,000 Hz ± 2.5 dB; sens 92 dB. Black-ash finish. 10 x 19 x 11 1/4 in. \$499

Mission 761i 2-Way Bookshelf Speaker

Bass-reflex design with two 5 1/4-in plastillexed paper woofers and 3/4-in ferrofluid-cooled fabric-dome tweeter. Features mineral-loaded polypropylene baffle and cabinet. 5-way binding posts. Crossover point 2,800 Hz; FR 70-20,000 Hz ± 2.5 dB; sens 90 dB SPL/W/m. Black-ash finish. 7 1/2 x 15 x 9 1/2 in. \$389/pr

Mission 760i 2-Way Bookshelf Speaker

5 1/4-in plastillex woofer, 3/4-in polymer-dome tweeter. Mineral-loaded polypropylene baffle. Power handling 75 W cont avg; crossover point 3,500 Hz; FR 80-20,000 Hz ± 3 dB; imp 8 ohms. Black-ash or rosewood-veneer finish. 7 1/2 x 11 1/2 x 8 in. \$279/pr

Mission 76C 2-Way Center-Channel Speaker

Bass-reflex design with two 5 1/4-in plastillexed paper woofers and 3/4-in ferrofluid-cooled polyimide-dome tweeter. Features magnetic shielding; high-density-particleboard enclosure; polyester-fiber damping; long-throw voice coil. 5-way binding posts. Crossover point 2,900 Hz; FR 70-20,000 Hz ± 2.5 dB; sens 89 dB. Black-ash finish. 17 x 6 1/2 x 10 3/8 in. \$249

MITSUBISHI

M-S8040 Powered Subwoofer

Ported design with 12-in polymer-laminate driver; 100 W x 1 rms amp. Input level control. Crossover

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point variable from 63-120 Hz; FR 20-120 Hz \pm 1 dB; sens 91 dB SPL/W/m; imp 8 ohms. 25 x 23 $\frac{1}{8}$ x 16 $\frac{3}{4}$ in; 72 lb \$799

HTS-SUB Subwoofer

8-in polypropylene driver. Features magnetic shielding. Power handling 100 W rms; crossover point 150 Hz; FR 38-200 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 17 $\frac{1}{2}$ x 14 x 10 in \$250

HTS-SAT 2-Way Satellite Speaker

5 $\frac{1}{4}$ -in polypropylene woofer, dome tweeter. Features magnetic shielding. Power handling 60 W rms; crossover point 3,800 Hz; FR 70-22,500 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 7 x 10 x 6 $\frac{3}{4}$ in \$100

MONITOR AUDIO

Subwoofer 200

Polypropylene driver. Designed for use with MA100 and Monitor 1. Features MDF cabinet. Power handling 100 W; imp 8 ohms. Black-ash or rosewood finish. 19 x 9 $\frac{7}{8}$ x 14 $\frac{1}{4}$ in \$699

Center Channel 200

Two 4 $\frac{1}{2}$ -in doped woofers, $\frac{3}{4}$ -in aluminum/magnesium anodized-gold dome tweeter. Features magnetic shielding. 5-way binding posts. Power handling 100 W; FR 50-24,000 Hz; sens 91 dB; imp 8 ohms. Hand-rubbed black-lacquer or rosewood finish. 17 x 6 x 6 $\frac{1}{2}$ in \$399

Studio Series

The following are available in rosewood, black-ash, piano-rosewood, or piano-black finish.

Studio 50 3-Way Speaker

Acoustic-suspension design with two 6-in anodized aluminum/magnesium ceramic woofers, one 6-in anodized aluminum/magnesium ceramic midrange, and one 1-in aluminum/magnesium anodized-gold dome tweeter. Features 6-dB/oct crossover. Gold-plated 5-way biwire/biamp binding posts. Power handling 300 W; FR 25-30,000 Hz \pm 3 dB; sens 89 dB; imp 8 ohms. 8 x 41 x 12 in \$7,999/pr

Studio 20SE 2-Way Speaker

6-in anodized aluminum/magnesium ceramic woofer, 1-in aluminum/magnesium anodized-gold dome tweeter. Features mass loading compartment. Power handling 220 W; FR 30-30,000 Hz \pm 3 dB; sens 88.5 dB; imp 8 ohms. 8 x 36 x 10 in \$4,499/pr

Studio 6 2-Way Bookshelf Speaker

Bass-reflex design with 6-in anodized aluminum/magnesium ceramic woofer and 1-in aluminum/magnesium anodized-gold dome tweeter. Features dual front-firing tuned ports. Power handling 200 W; FR 40-30,000 Hz \pm 3 dB; sens 88.5 dB; imp 8 ohms. 8 $\frac{1}{2}$ x 13 $\frac{7}{8}$ x 10 in \$2,499/pr

Gold Series

MA1200 Gold MkII 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in polypropylene woofer and 1-in aluminum/magnesium anodized-gold dome tweeter. 6-dB/oct crossover, damped cabinet. Biwire/biamp terminals. Power handling 200 W; FR 35-30,000 Hz \pm 3 dB; sens 89 dB; imp 8 ohms. Black-ash or rosewood finish. 8 x 36 x 10 in \$1,999/pr

MA800 Gold 2-Way Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in polypropylene woofer and 1-in aluminum/magnesium anodized-gold dome tweeter. Features 6-dB/oct crossover; front-firing port, damped cabinet. Biwire/biamp terminals. Power handling 150 W; FR 40-30,000 Hz \pm 3 dB; sens 89 dB; imp 8 ohms. 9 x 20 x 10 $\frac{1}{4}$ in \$1,499/pr

MA700 Gold MkII 2-Way Bookshelf Speaker

Bass-reflex design with 6 $\frac{1}{2}$ -in polypropylene woofer and 1-in aluminum/magnesium anodized-gold dome tweeter. Features damped cabinet. 5-way biwire/biamp binding posts. Power handling 150 W; FR 45-30,000 Hz \pm 3 dB; sens 89 dB; imp 8 ohms. Black-ash, rosewood, or walnut finish \$999/pr

MA100 Gold 2-Way Bookshelf Speaker

Bass-reflex design with impregnated woofer and $\frac{3}{4}$ -in aluminum/magnesium anodized-gold dome tweeter. Features magnetic shielding, MDF cabinet. Power handling 70 W; FR 60-20,000 Hz \pm 3 dB; sens 88.5 dB SPL/W/m. imp 8 ohms. Black-ash or rosewood finish. 10 x 18 x 11 in \$599/pr

Monitor Series

The following feature a hand-rubbed black-lacquer finish.

Monitor 9 Gold 2-Way Bookshelf Speaker

6 $\frac{1}{2}$ -in impregnated woofer, 1-in ferrofluid-cooled aluminum/magnesium anodized-gold dome tweeter. 5-way binding posts. Power handling 100 W; FR 55-26,000 Hz \pm 3 dB; sens 89 dB; imp 8 ohms. 8 x 14 $\frac{1}{2}$ x 8 $\frac{1}{4}$ in \$600/pr

Monitor 7 Gold 2-Way Bookshelf Speaker

4 $\frac{1}{2}$ -in impregnated woofer, $\frac{3}{4}$ -in ferrofluid-cooled aluminum/magnesium anodized-gold dome tweeter. 5-way binding posts. Power handling 80 W; FR 60-26,000 Hz \pm 3 dB; sens 89 dB; imp 8 ohms. 6 $\frac{1}{2}$ x 13 $\frac{1}{2}$ x 7 in \$429/pr

Monitor 1 Gold 2-Way Bookshelf Speaker

4 $\frac{1}{2}$ -in doped woofer, $\frac{3}{4}$ -in ferrofluid-cooled aluminum/magnesium anodized-gold dome tweeter. 5-way binding posts. Power handling 80 W; FR 60-24,000 Hz \pm 3 dB; sens 89 dB; imp 8 ohms. 6 x 9 $\frac{1}{2}$ x 6 $\frac{3}{8}$ in \$349/pr

MONRIO

Monrio-Starter 2-Way Bookshelf Speaker

Sealed-box design with 6 $\frac{7}{8}$ -in woofer and 1-in dome tweeter. 5-way binding posts. Power handling 70 watts; crossover points 65 and 20,000 Hz; sensitivity 83 dB sound-pressure level-watt meter; impedance 8 ohms. 7 $\frac{7}{8}$ x 9 $\frac{1}{2}$ x 9 $\frac{1}{2}$ in; 16.5 lb \$995

MOREL

Prelude 2-Way Speaker

Transmission-line design with 6-in woofer and 1 $\frac{1}{8}$ -in dome tweeter. Power handling 180 W cont avg; crossover point 3,800 Hz; FR 34-25,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 8 ohms. Oak- or black-veneer finish \$1,395/pr

Encore Subwoofer/Satellite System

Subwoofer with two 9-in drivers; two satellites, each with 6-in woofer and 1 $\frac{1}{8}$ -in dome tweeter. Features push-pull subwoofer-driver configuration. Power handling 150 W cont avg subwoofer, 120 W cont avg satellite; crossover point 90 Hz subwoofer; FR 30-22,000 Hz; sens 91 dB SPL/W/m subwoofer; imp 4 ohms. Subwoofer: 12 x 20 x 14 in; 32 lb. Satellites: 7 x 11 x 9 in; 8 lb. Black-lacquer or matte-black finish \$999
Satellites \$499/pr
Subwoofer \$499/pr

MPL-501 3-Way Speaker

Ported design with 8 $\frac{1}{2}$ -in free-edge paper woofer, 3-in dome midrange, and 1 $\frac{1}{8}$ -in dome tweeter. Power handling 180 W cont avg; FR 34-25,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Walnut or black-veneer finish. 10 $\frac{1}{4}$ x 33 x 12 in; 42 lb \$999/pr

Duet 2-Way Bookshelf Speaker

6-in double-magnet woofer, 1 $\frac{1}{8}$ -in soft-dome tweeter. Features ferrofluid cooling. Power handling 150 W cont avg; FR 40-22,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 8 ohms. Black-lacquer finish. 8 x 15 x 12 in; 26 lb \$995/pr
Blond-oak veneer \$945/pr

MPL-403.3 3-Way Bookshelf Speaker

9-in woofer, 3-in soft-dome midrange, 1 $\frac{1}{8}$ -in soft-dome tweeter. Features ferrofluid cooling; 3-in voice coil. Power handling 150 W cont avg; FR 38-25,000 Hz \pm 3 dB; sens 90 SPL/W/m. Walnut, teak, or black finish. 5-yr warranty. 12 x 21 $\frac{1}{4}$ x 10 $\frac{1}{4}$ in \$845

MPL-203 2-Way Bookshelf Speaker

Sealed linear-phase design with 6-in double-magnet woofer and 1 $\frac{1}{8}$ -in soft-dome tweeter. Features ferrofluid cooling; 3-in voice coil. Power handling 150 W; FR 45-28,000 Hz \pm 3 dB. Walnut, red walnut, teak, or black finish. 8 x 16 x 9 $\frac{1}{2}$ in; 18 lb \$640/pr

MPL-202 II 2-Way Bookshelf Speaker

Acoustic-suspension design with 6-in woofer and 1 $\frac{1}{8}$ -in soft-dome tweeter. Features ferrofluid cooling; 3-in voice coil. Power handling 150 W cont avg; FR 58-28,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 4 ohms. Walnut, teak, or black finish. 8 x 13 x 10 in; 17 lb \$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. Power handling 200 W cont avg; FR 70-25,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 4-8 ohms. Black. 4 $\frac{3}{4}$ x 11 x 7 $\frac{1}{2}$ in; 10 lb \$498/pr

MPL-201.3 2-Way Bookshelf Speaker

Acoustic-suspension design with 9-in treated-paper woofer and 1 $\frac{1}{8}$ -in soft-dome tweeter. Features ferrofluid cooling; 3-in voice coil. Power handling 100 W cont avg; FR 48-25,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. Black. 5-yr warranty. 10 x 16 x 10 in; 19 lb \$349/pr

MTX

D Series

The following feature a 10-yr warranty.

D9550E 5-Way Speaker

12-in polymer woofer, two 5-in sealed-back midranges, 3-in cone tweeter, and 1-in soft-dome tweeter. Features ferrofluid cooling. 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 $\frac{7}{8}$ x 14 $\frac{1}{2}$ in \$880/pr

D5550E 4-Way Speaker

Vented design with 15-in polymer-coated woofer, 5-in sealed-back midrange, 3-in dome tweeter, and 1-in soft-dome tweeter. Ferrofluid cooling. Power handling 120 W cont avg; crossover points 1,700, and 6,000 Hz; FR 43-22,000 Hz; sens 96.5 dB; imp 4/8 ohms. 15 $\frac{1}{2}$ x 27 x 10 $\frac{1}{4}$ in \$520/pr

D4550E 3-Way Speaker

Vented design with 10-in polymer woofer, 5-in sealed-back midrange, and 1-in soft-dome tweeter. Features ferrofluid cooling. 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 soft-dome tweeter. Ferrofluid cooling. Power handling 45 W cont avg; FR 60-22,000 Hz; sens 94.5 dB; imp 4/8 ohms. 11 $\frac{1}{4}$ x 18 $\frac{1}{2}$ x 8 in \$280/pr

D2550E 2-Way Bookshelf Speaker

Vented design with 6 $\frac{1}{2}$ -in polymer woofer and 1-in soft-dome tweeter. Features ferrofluid cooling. Power handling 40 W cont avg; FR 65-22,000 Hz; sens 91.5 dB SPL/W/m; imp 4/8 ohms. 9 $\frac{3}{8}$ x 12 $\frac{3}{4}$ x 7 in \$230/pr

AAL Series

The following feature a 10-yr warranty.

AAL 223 4-Way Speaker

Vented design with two 12-in fiber-cone woofers, 5-in midrange, and horn-loaded quartz tweeter. Features ferrofluid cooling. Power handling 300 W cont avg; FR 38-22,000 Hz; sens 93 dB SPL/W/m; imp 4 ohms. 16 x 39 $\frac{3}{8}$ x 15 in \$600/pr

AAL 154 4-Way Speaker

Vented design with 15-in fiber-cone woofer, 4- and 3-in midranges, and 3 $\frac{1}{4}$ -in round horn-loaded quartz tweeter. Features ferrofluid cooling. Power handling

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125 W cont avg; FR 40-20,000 Hz; sens 92 dB SPL/W/m; imp 4 ohms. 18½ x 29 x 15 in. \$500/pr

AAL 124 4-Way Speaker

Vented design with 12-in fiber-cone woofer, 4- and 3-in midranges, and 3¼-in horn-loaded quartz tweeter. Features ferrofluid cooling. Power handling 100 W cont avg; FR 50-20,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. 15½ x 27 x 10¾ in. \$400/pr

AAL 103 3-Way Speaker

Vented design with 10-in fiber-cone woofer, 4-in cone midrange, and 3¼-in horn-loaded quartz tweeter. Features ferrofluid cooling. 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 10½ in. \$360/pr

AAL 83 3-Way Bookshelf Speaker

Vented design with 8-in fiber-cone woofer, 3-in cone midrange, and 3¼-in horn-loaded tweeter. Features ferrofluid cooling. Power handling 50 W cont avg; FR 75-20,000 Hz; sens 92 dB SPL/W/m; imp 4 ohms. 11¼ x 18½ x 8½ in. \$230/pr

AAL 62 2-Way Bookshelf Speaker

Vented design with 6½-in fiber-cone woofer and 3¼-in horn-loaded tweeter. Power handling 38 W cont avg; FR 90-20,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. 9½ x 12¾ x 7½ in. \$200/pr

MUSE

The following subwoofers accept user-installable \$30 "personality cards" said to optimize the subwoofer's sound when used with specific main/satellite speakers of other manufacturers. Call Muse for details.

Model Eighteen Balanced Powered Subwoofer

Two 10-in drivers in slot-loaded 6th-order enclosure; 225-W amp. Features discrete high-pass active filters; unity gain buffer. Balanced inputs. Level, damping, and delay controls. Cherry walnut finish. 25 x 25 x 25 in; 155 lb. \$3,500
Oak finish. \$3,250

Model Eighteen Unbalanced. As above, unbalanced inputs. Cherry walnut finish. \$3,000
Oak finish. \$2,750

MUSEATEX

The following feature a 5-yr warranty.

Mellor WAL-1 In-Wall Speaker

Dipole planar design. Features 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

Mellor Three Bookshelf Speaker

Dipole planar design. Features 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 3-Way Speaker

Decoupled box design with 15-in woofer, 5-in infinite-baffle midrange, and ¾-in soft-dome tweeter. Features computer-calculated damping systems. Power handling 200 W; FR 17-20,000 Hz ± 3 dB; sens 92 dB SPL/W/m; imp 4 ohms. Black-ash or walnut finish. 16 x 47 x 26 in; 200 lb. \$14,995/pr

NA SBL 2-Way Speaker

8-in woofer, ¾-in dome tweeter. Features external detachable crossover; decoupled tweeter. Includes 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. 10¾ x 34½ x 10½ in. \$3,495/pr

NA IBL 2-Way Speaker

5-in woofer, ¾-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. 9¾ x 31¼ x 10¾ in. \$1,695/pr

NA PXO. Passive crossover for NA IBL. \$260

NEAR

CS-410M 3-Way Speaker

4 woofers, 2 midranges, and 8 tweeters. Power handling 350 W max; imp 8 ohms. Moorish styling. 36 x 52 x 19 in. \$7,600/pr

CS-4000M 3-Way Speaker

Infinite-baffle design with 2 woofers, 6½-in midrange, and eight 2-in tweeters. Power handling 250 W max; crossover points 400 and 2,500 Hz; imp 8 ohms. Moorish styling. 26¼ x 44½ x 15¾ in. \$4,400/pr

CS-302M 3-Way Speaker

Infinite-baffle design with 12-in woofer, 6-in midrange, and two 2-in tweeters. Power handling 150 W max; crossover points 400 and 2,500 Hz; imp 8 ohms. Walnut finish. 26 x 28 x 15 in. \$2,200/pr

CS-300M. 2-way version of above. \$1,500/pr

NEAR Sound-Mast 2-Way Speaker

Two 5¼-in metal-alloy woofers, 1-in inverted metal-dome tweeter. Features ferrofluid cooling. Power handling 150 W max; crossover point 300 Hz; FR 37-26,000 Hz; sens 88 dB SPL/W/m; imp 6 ohms. High-gloss black or Dupont Corian finish. 6¾ x 49 x 8 in; 46 lb. \$495

Near M-Series

The following feature a 10-yr warranty.

NEAR-50ME 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; crossover points 290 and 4,000 Hz; FR 30-23,000 Hz ± 1.5 dB; sens 91 dB SPL/W/m; imp 8 ohms. 8-layer black-gloss finish. 10½ x 48 x 12 in; 55 lb. \$2,990/pr
Walnut finish. \$1,900/pr
Black-oak finish. \$1,600/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; crossover point 1,800 Hz; FR 32-23,000 Hz ± 2 dB; sens 88 dB SPL/W/m; imp 8 ohms. Walnut finish. 10½ x 35 x 10¾ in; 40 lb. \$1,250/pr
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. Gold-plated binding posts. Power handling 150 W max; crossover points 1,800 Hz; FR 42-23,000 Hz ± 2 dB; sens 88 dB SPL/W/m. Walnut finish. \$849/pr
Textured lacquer finish. \$749

NEAR-10M 2-Way Bookshelf Speaker

Ported design with 5¼-in metal-cone woofer and 1-in metal-dome tweeter. Power handling 100 W max; crossover point 3,100 Hz; FR 48-20,000 Hz ± 2.5 dB; sens 88.5 dB SPL/W/m; imp 6 ohms. Black walnut finish. 5-yr warranty. 7½ x 11 x 9¾ in; 14 lb. \$549/pr
Black-oak finish. \$399/pr

AEL Series

The following are waterproof and have a 5-yr warranty.

AEL 2.0 2-Way Outdoor Speaker

8-in metal-alloy cone woofer, 2-in metal-cone tweeter. Liquid magnetic suspension. Power handling 200 W max; crossover point 2,500 Hz; FR 38-25,000 Hz; imp 6 ohms. 12 x 20 x 12 in. \$1,098/pr
Fiberglass-resin finish. \$899/pr

AEL 1.5 2-Way Outdoor Speaker

6-in metal-alloy cone woofer, 2-in metal-cone tweeter. Power handling 150 W max; FR 48-18,000 Hz;

sens 87 dB SPL/W/m; imp 6 ohms. 8 x 14 x 8 in; 15 lb. \$579/pr
AEL 1.6. As AEL 1.5, rectangular cabinets. \$579/pr

AEL 1.4 2-Way Outdoor Speaker

5½-in metal-alloy cone woofer, 1-in inverted metal-dome tweeter. Power handling 150 W max; FR 48-25,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. 14 x 8 x 5 in; 12 lb. \$399

AEL 1.2 Outdoor Speaker

Coaxial design with 5¼-in metal-alloy cone and dome tweeter. Power handling 75 W max; FR 65-14,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. Molded cabinet. 7¾ x 7¾ x 8 in; 6 lb. \$359/pr
AEL 1.1. As above, drivers not mounted coaxially. \$318/pr

NESTOROVIC LABS

System 16A MkIII Subwoofer/Satellite System

Two Type 8 MkIII subwoofers and four Type 4A MkIII satellites. 438 lb. \$13,400

System 12A MkIII Subwoofer/Satellite System

Two Type 8 MkIII subwoofers and two Type 4A MkIII satellites. 354 lb. \$9,200

Type 5AS MkIV 3-Way Speaker

10-in woofer, 8-in woofer, 4¾-in dome midrange, and 4¼-in planar tweeter. Midrange and tweeter level controls. Crossover points 1,000 and 7,000 Hz; FR 28-40,000 Hz +1, -3 dB; sens 91 dB SPL/W/m; imp 8 ohms. Wood finish optional. 15 x 36 x 15 in; 85 lb. \$4,500/pr

Type 4A MkIII 3-Way Speaker

8-in woofer, 4¾-in dome midrange, 4¼-in planar tweeter. Crossover points 200, 1,000, and 7,000 Hz; FR 60-40,000 Hz +1, -3 dB; sens 91 dB SPL/W/m; imp 8 ohms. Wood finish optional. 12 x 22 x 12 in; 42 lb. \$4,200/pr

Type 8 MkIII Subwoofer

Two 12-in drivers. Crossover point 200 Hz; FR 18-250 Hz +1, -3 dB; sens 91 dB SPL/W/m; imp 8 ohms. Wood finish optional. 22 x 26 x 26 in; 135 lb. \$2,500

NHT

Model 3.3 4-Way Speaker

Acoustic-suspension design with 12-in polymer woofer, 6½-in polymer midbass, 4½-in polymer midrange, and 1-in ferrofluid-cooled metal-dome tweeter. Focused image geometry. Power handling 400 W max; FR 24-24,500 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 10 ohms. Various finishes. 7 x 41 x 32 in; 123 lb. \$4,000/pr

Model 2.3 3-Way Speaker

Acoustic-suspension design with two 6½-in woofers, one 6½-in midrange, and one 1-in ferrofluid-cooled soft-dome tweeter. Features focused image geometry. Power handling 200 W max; FR 35-25,000 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 4 ohms. Gloss black laminate finish. 7 x 37 x 12 in; 46 lb. \$1,100/pr

Model 2.1 3-Way Speaker

Acoustic-suspension design with two 6½-in woofers, one 6½-in midrange, and one 1-in fluid-cooled soft-dome tweeter. Features focused image geometry. Power handling 200 W max; FR 40-25,000 Hz ± 3 dB; sens 86 dB; imp 8 ohms. Gloss black laminate finish. 7 x 34 x 12 in; 33 lb. \$830/pr

SW2P Powered Subwoofer

Vented design with 10-in driver; 80-W amp. Bypassable crossover. Line- and speaker-level inputs. Crossover point selectable at 50, 100, or 200 Hz; FR 21-200 Hz ± 3 dB. 19 x 16 x 16 in; 51 lb. \$650

Model 1.3A 2-Way Bookshelf Speaker

Acoustic-suspension design with 6½-in polymer woofer and 1-in ferrofluid-cooled soft-dome tweeter.



As virtually every speaker manufacturer rushes to deliver "home theater" speakers to the marketplace, M&K amasses nearly twenty years of experience in the field—dating back to Hollywood screening-room installations in the 1970s.

M&K engineers have spent well over a decade studying the varied aspects of surround



sound—including encoding and decoding; soundtrack recording; and the differences between reproducing sound in theaters and in homes.

M&K speakers excel in the reproduction of *all* source material. Accuracy, low coloration, pinpoint imaging, wide dynamic range, and deep-bass reproduction are all critical for music as well as film soundtracks. M&K Satellites and Subwoofers have been acclaimed for these attributes since the '70s.

And this is why M&K knows that any speaker that claims to be optimized for either music or film sound, one at the expense of the other, will never reproduce *either one* properly.

M&K Home Theater Systems

Conventional speakers make the music and effects on film soundtracks compressed and dull. But M&K's exciting dynamics and "quick" transients give you precise 3-D imaging and a lifelike presence.

M&K Satellites are *timbre-matched*, using virtually identical speaker drivers, crossovers, and frequency response, for a seamless 360° surround-sound performance. With an all-M&K home theater system, voices and effects do not change char-

acter when their sound moves from left to right or front to back in your room.

Even if you are just adding an M&K subwoofer, front/center, or surround



**M&K
COMPONENT
SPEAKERS
FOR THE
HOME
THEATER**

speaker to your present system, M&K's unique timbre controls allow you to "fine-tune" the sound of your new M&K speakers to achieve the closest possi-

ble timbre-match with your existing speakers—even if they are not M&Ks.

M&K Center Channel Speakers

Beware of inexpensive "center channel" speakers. In Pro-Logic, the center channel speaker is driven the hardest, and often reproduces as much sound as the left and right speakers combined.



Each one of M&K's six individually-available Satellites has exceptional dynamic range and high output to meet and exceed the tremendous demands of the center channel.

M&K Powered Subwoofers

Legendary for their massive output, exceptional detail, and articulation, M&K's thirteen internally-powered Subwoofers set the industry's standards for high-performance deep bass.

M&K's innovative Push-Pull Dual Driver subwoofers deliver a major improvement by virtually eliminating even-order harmonic distortion, and doubling efficiency (same as doubling amplifier power) with four times the output of single driver subwoofers.



Whether you choose our state-of-the-art Home THX® Audio speaker system, an add-on set of surround speakers, or anything in between, no other speakers will give you the exciting performance, sound quality, flexibility and compatibility of M&K's home theater component speakers.

 **MILLER & KREISEL
SOUND CORPORATION**

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S P E A K E R S

Power handling 150 W max; FR 53-25,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. 7 x 16 1/2 x 10 in; 15 lb. \$500/pr

SW2 Subwoofer

Vented design with 10-in driver. Features passive crossover with bypass. Power handling 200 W; FR 22-130 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Black, white, or oak finish. 16 x 16 x 16 in; 40 lb. \$350

Model 1.1 2-Way Bookshelf Speaker

Acoustic-suspension design with 6 1/2-in woofer and 1-in fluid-cooled dome tweeter. Features magnetic shielding. Power handling 150 W max; FR 63-25,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 8 ohms. Black, white, or oak finish. 7 x 12 x 10 1/2 in; 11 lb. \$380/pr

Model Super Zero 2-Way Bookshelf Speaker

Acoustic-suspension design with 4 1/2-in woofer and 1-in fluid-cooled soft-dome tweeter. Features magnetic shielding. Wall bracket optional. Power handling 100 W max; FR 85-25,000 Hz \pm 3 dB; sens 86 dB; imp 8 ohms. Black or white gloss finish. 6 x 9 1/2 x 5 1/2 in; 5 lb. \$115

Home Theater Series

VT-1 Home Theater System

SW2P powered subwoofer, two VT-1 speakers, VT-1C center-channel speaker, and two HDP-1 surround speakers. Gloss black or white laminate finish. \$2,000

VT-1 2-Way Speaker

Tuned column-loaded design with two 4 1/2-in woofers and one 1-in ferrofluid-cooled soft-dome tweeter. Features magnetic shielding. Includes base. Power handling 120 W max; FR 65-21,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Gloss black finish. 5 1/2 x 40 x 5 1/2 in; 24 lb. \$650/pr

VT-1C. As above, center-channel speaker. FR 95-21,000 Hz \pm 3 dB. Gloss black or white laminate finish. 5 1/2 x 22 x 9 in; 16 lb. \$320

HDP-1 2-Way Surround Speaker

Sealed hybrid dipolar design with 4 1/2-in woofer and two 3-in tweeters. Power handling 100 W max; FR 105-10,000 Hz \pm 3 dB; sens 86 dB SPL/W/m; imp 8 ohms. Gloss black or white finish. 5 3/4 x 9 1/4 x 5 3/4 in; 7 lb. \$380/pr

Model 1.1C 2-Way Center-Channel Speaker

Sealed design with 6 1/2-in woofer and 1-in ferrofluid-cooled soft-dome tweeter. Features magnetic shielding. FR 63-25,000 Hz \pm 3 dB; sens 88 dB; imp 8 ohms. Gloss black or white laminate finish. 7 1/2 x 12 x 8 1/2 in; 11 lb. \$185

NIKKO

NS-60S Speaker

4-in driver. Features magnetic shielding. Power handling 50 W max; imp 8 ohms. \$26

NILES

NSW-100 Powered In-Wall Subwoofer System

8-in driver; outboard 100-W amp. Line- and speaker-level inputs. Auto on/off via music sensing; level control; bypass and phase-reversal switches. Crossover point 100 Hz; FR 38-100 Hz \pm 2 dB. Amp: 17 x 3 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, 1-in soft-dome tweeter. Features butyl woofer surround; treated-fabric woofer dust cap. 2-position tweeter-level control. Power handling 105 W max; crossover point 2,500 Hz; FR 40-20,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 8 ohms. Pearl-white finish. \$650/pr

Model 200 2-Way In-Wall Speaker

6 1/2-in polypropylene woofer, 1-in soft-dome tweeter. Features butyl woofer surround; treated-fabric woofer

dust cap. 2-position tweeter-level control. Power handling 80 W max; crossover point 2,800 Hz; FR 55-20,000 Hz \pm 2 dB; sens 88 dB SPL/W/m; imp 8 ohms. Pearl-white finish. 9 x 12 x 3 in; 5 lb. \$500/pr

Model 100 2-Way In-Wall Speaker

6 1/2-in polypropylene woofer, 1-in dome tweeter. Features foam woofer surround; treated-fabric woofer dust cap. 2-position tweeter-level control. Power handling 55 W max; crossover point 4,000 Hz; FR 55-20,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. Pearl-white finish. 9 x 12 x 3 in; 3 lb. \$360/pr

Model 75 2-Way In-Ceiling Speaker

5 1/4-in polypropylene woofer, 3/4-in polycarbonate dome tweeter. Treated-urethane woofer surround. Square, round, or recessed lighting-type bezel and grille. Power handling 45 W max; crossover point 4,000 Hz; FR 63-20,000 Hz \pm 4 dB; sens 86 dB SPL/W/m; imp 8 ohms. Pearl-white finish. Square: 6 3/8 x 6 3/8 x 2 1/2 in. Round: 7 3/8 x 3 1/2 in. \$250/pr

NORMAN LABORATORIES

The following feature 3/4-in thick internally braced wood cabinets.

Model 93 3-Way Speaker

12-in poly woofer, 5 1/4-in poly midrange, 1-in dome tweeter. Power handling 350 W max; FR 35-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 14 1/2 x 26 x 9 7/8 in; 84 lb. \$600/pr

Model 83 3-Way Speaker

10-in poly woofer, 5 1/4-in poly midrange, 1-in dome tweeter. Power handling 250 W max; FR 38-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 11 7/8 x 23 x 9 3/8 in; 62 lb. \$520/pr

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 7/8 x 23 x 9 3/8 in. \$400/pr

Model 50 2-Way Speaker

6 1/2-in poly woofer, 3/8-in dome tweeter. Power handling 100 W max; FR 50-20,000 Hz; sens 90 dB SPL/W/m. 8 5/8 x 13 3/8 x 7 1/2 in; 25 lb. \$240/pr

Classic Series

The following feature gold-plated 5-way binding posts and a built-in pedestal.

Model 635 3-Way Speaker

Three 10-in poly woofers, 5 1/4-in poly midrange, 1-in dome tweeter. Power handling 600 W max; FR 25-20,000 Hz; sens 95 dB SPL/W/m; imp 8 ohms. 16 3/4 x 49 x 11 in; 155 lb. \$1,800/pr

Model 435 3-Way Speaker

Two 10-in poly woofers, 5 1/4-in poly midrange, 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 3/8 in; 112 lb. \$1,100/pr

Model 335 3-Way Speaker

10-in poly woofer, 5 1/4-in poly midrange, 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 1/2 x 9 3/8 in; 80 lb. \$800/pr

Model 235 3-Way Speaker

10-in poly woofer, 5 1/4-in poly midrange, 1-in dome tweeter. Power handling 250 W max; FR 38-20,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. \$600/pr

NSM LOUDSPEAKERS

The following feature a 5-yr warranty.

Model 100 Speaker System

Acoustic-suspension subwoofer with 12-in long-throw dual-voice-coil paper driver; 2 towers, each with two 6 1/2-in polycone midbasses, two 4 1/2-in polycone midranges, and 1 liquid-cooled soft-dome

tweeter. Features D'Appolito midrange and tweeter configuration; minimum-phase crossover; foam subwoofer-driver surround; open-cell foam, dacron, and sand damping. Power handling 400 W; FR 20-22,000 Hz \pm 3 dB; sens 86 dB SPL/W/m; imp 16 ohms. Black-ash veneer finish. Subwoofer: 25 x 18 x 20 in. Towers: 9 x 47 x 10 in. \$3,795

Model 75 3-Way Speaker

Two 6 1/2-in die-cast polycone woofers, two 4 1/2-in die-cast polycone midranges, one 1-in soft-dome tweeter. Features D'Appolito midrange and tweeter configuration; ferrofluid cooling; 6- and 12-dB/oct crossovers; foam surround; open-cell foam, dacron, and sand damping. Biwire/biamp terminals. Power handling 250 W max; FR 30-20,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 6 ohms. Natural-oak or black-ash veneer. 9 x 47 x 10 in; 70 lb. \$2,795/pr

Model 15 System-2. Two Model 15-EXP subwoofers and two Model 10 speakers. \$2,185

Model 15 System-1. As above, single subwoofer. \$1,390

Model 50 3-Way Speaker

6 1/2-in die-cast polycone woofer, 6 1/2-in die-cast polycone midrange, 1-in soft-dome tweeter. Features ferrofluid cooling. Biwire/biamp terminals. Power handling 200 W max; FR 35-20,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 8 ohms. Natural-oak or black-ash veneer. 9 x 36 x 10 in; 45 lb. \$1,395/pr

Model 25 2-Way Speaker

6 1/2-in die-cast polycone woofer, 1-in soft-dome tweeter. Features ferrofluid cooling; dacron foam surround. Biwire/biamp terminals. Stand optional. Power handling 150 W max; FR 35-20,000 Hz \pm 3 dB; sens 84 dB SPL/W/m; imp 8 ohms. Natural-oak or black-ash veneer finish. 9 x 22 x 10 in; 60 lb. \$895/pr

Model 15 EXP Subwoofer

13-in cotton-fiber driver. Features 56-oz magnet; aluminum frame; rubber surround; 12-dB/oct crossover. Power handling 200 W max; FR 25-25,000 Hz \pm 2.5 dB; sens 90 dB SPL/W/m; imp 8 ohms. Black-ash veneer finish. 25 x 18 x 20 in; 105 lb. \$795

Model 10S 2-Way Bookshelf Speaker

4 1/2-in woofer, 1-in soft-dome tweeter. Features 6-dB/oct crossover. Biwire/biamp terminals. Stand optional. Power handling 200 W max; FR 55-20,000 Hz; sens 84 dB SPL/W/m; imp 8 ohms. Matte-black finish. 5 1/2 x 6 x 10 in; 16 lb. \$695

Model 10. As above, without biwire/biamp terminals. \$595

OHM ACOUSTICS

Walsh-5 2-Way Speaker

Coherent-line-source design with inverted-cone driver and supertweeter. Features protection circuitry; gold internal connectors; Monster Cable internal wiring; casters/spikes. Gold-plated 5-way binding posts. 3-position controls for lows, perspective, and highs. Power handling 650 W max; FR 25-25,000 Hz \pm 3 dB; sens 88 dB; imp 4 ohms. Walnut, oak-wood, or black-lacquer finish. 17 1/2 x 17 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 design with inverted-cone driver and supertweeter. Protection circuitry; casters/spikes. Gold-plated 5-way binding posts. Walnut, oak-wood, or black-lacquer finish. Power handling 300 W; FR 25-25,000 Hz \pm 3 dB; sens 88 dB; imp 8 ohms. 13 3/4 x 48 1/4 x 17 3/4 in. \$1,995/pr

Walsh-200. As above, power handling 200 W max, FR 32-20,000 Hz \pm 3 dB, sens 90 dB. 11 3/4 x 15 3/4 x 42 1/4 in. \$1,395/pr

Walsh-100. As Walsh-300, power handling 100 W max, FR 40-20,000 Hz \pm 3 dB, sens 90 dB. 9 3/4 x 13 3/4 x 42 1/4 in. \$995/pr

CAM-16 2-Way Bookshelf Speaker

Vented design with 6 1/2-in woofer and rotatable 3/4-in

S P E A K E R S

polycarbonate-dome tweeter. Features protection circuitry; patented sub-bass activator. Power handling 85 W max; FR 46-20,000 Hz \pm 3 dB; sens 89 dB; imp 8 ohms. Black-oak vinyl finish. 9 x 21 x 11 in. \$400/pr

Sat-2 2-Way Satellite Speaker

5 1/4-in woofer, phase-aligned 3/4-in tweeter. Features die-cast aluminum enclosure. Gold-plated 5-way binding posts. Power handling 150 W max; FR 100-20,000 Hz \pm 3 dB; sens 90 dB; imp 6 ohms. Black. 5 3/4 x 7 x 6 in. \$400/pr

SB-1 Subwoofer

10-in dual-voice-coil driver. Designed for use with Sat-2 and Sat-1 speakers. Gold-plated 5-way binding posts. Power handling 150 W max; FR 42-100 Hz \pm 3 dB; sens 90 dB; imp 6 ohms. Black matte finish. 9 x 23 1/4 x 13 in. \$250

Sat-1 Satellite Speaker

5 1/4-in full-range driver. Power handling 60 W max; FR 100-12,000 Hz \pm 3 dB; sens 90 dB; imp 6 ohms. Black vinyl finish. 6 3/4 x 8 x 7 in. \$200/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 \pm 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 \pm 3 dB. 11 x 20 x 11 in; 38 lb. \$595/pr

TCM 1. As TCM 2, 6 1/2-in woofer. FR 62-22,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 4 ohms. 8 x 13 x 9 in; 22 lb. \$495/pr

OPTIMUS BY RADIO SHACK

PRO 4000 3-Way Speaker

Bass-reflex design with 15-in woofer, 5-in midrange, and horn tweeter. Power handling 160 W; FR 50-20,000 Hz. Oiled walnut wood finish. 17 3/8 x 31 1/2 x 11 3/4 in. \$300

PRO SWS-500 Subwoofer/Satellite System

Subwoofer with 10-in dual-voice-coil driver; 2 satellites, each with 3 1/4-in woofer, 1/2-in polyimide-dome tweeter, and 4-in passive radiator. Features magnetic satellite shielding. Power handling 100 W; FR 60-18,000 Hz; imp 4 ohms. Subwoofer: 17 3/4 x 11 3/8 x 15 in. Satellites: 6 x 7 1/2 x 6 in. \$300

PRO SWS-501 Subwoofer/Satellite System

Bass-reflex subwoofer with 12-in dual-voice-coil driver; 2 acoustic-suspension satellites, each with 3 1/2-in midrange and 2 1/2-in liquid-cooled tweeter. FR 35-20,000 Hz; sens 80 dB SPL/W/m; imp 8 ohms. Subwoofer: 18 1/8 x 12 3/8 x 15 3/4 in. Satellites: 4 3/4 x 8 3/8 x 4 1/2 in. \$250

PRO SW-12 Subwoofer

12-in long-throw dual-voice-coil driver. Features crossover. Power handling 100 watts; frequency response 35-200 Hz. Black vinyl finish. Dimensions: 12 3/8 x 18 1/8 x 15 3/4 in. \$150

XTS 9 2-Way Bookshelf Speaker

Bass-reflex design with 5 1/4-in poly woofer and 1 1/4-in dome tweeter. Includes wall/ceiling mounting bracket. Power handling 50 W; FR 110-20,000 Hz. 6 x 9 1/4 x 6 1/4 in. \$130/pr

STS 1000 3-Way Speaker

Bass-reflex design with 12-in long-throw woofer, 5-in midrange, 3/4-in dome tweeter. Power handling 100 W; FR 40-20,000 Hz. Black vinyl finish. 14 x 29 3/4 x 10 7/8 in. \$130

PRO 300 2-Way Speaker

Bass-reflex design with 10-in woofer and 3-in tweeter. Power handling 100 W; FR 60-20,000 Hz. Oiled walnut finish. 12 1/4 x 22 3/8 x 8 1/8 in; 17.6 lb. \$100

PRO 140 2-Way Bookshelf Speaker

Acoustic-suspension design with 6 1/2-in woofer and 1-in tweeter. Power handling 50 W; FR 70-20,000 Hz. Walnut wood finish. 8 7/8 x 14 7/8 x 8 3/4 in. \$90

PRO CS-1 Center-Channel Speaker

Acoustic-suspension design with 4 1/2-in woofer and 1/2-in dome tweeter. Power handling 35 W rms; FR 80-20,000 Hz. \$80

XTS 8 2-Way Satellite Speaker

3 1/4-in woofer and 2 1/2-in tweeter in swiveling enclosure. Power handling 30 W; FR 220-20,000 Hz. 4 1/8 x 8 1/2 x 5 7/8 in. \$80/pr

PRO 200 2-Way Bookshelf Speaker

Bass-reflex design with 8-in long-throw woofer and 2 1/2-in tweeter. Power handling 60 W; FR 65-20,000 Hz. Walnut wood finish. 9 7/8 x 18 1/8 x 7 in. \$80

PRO 220 2-Way Bookshelf Speaker

Bass-reflex design with 8-in long-throw woofer and 2 1/2-in tweeter. Power handling 60 W; FR 65-20,000 Hz. Walnut wood finish. 10 1/4 x 18 1/2 x 7 1/2 in. \$80

PRO 77 2-Way Bookshelf Speaker

5-in woofer, 1-in tweeter. Features die-cast metal enclosure. Power handling 70 W; FR 90-20,000 Hz. Black or white. 6 x 9 1/4 x 4 3/8 in. \$80

STS 100 3-Way Bookshelf Speaker

8-in woofer, 4-in midrange, 3/4-in dome tweeter. Power handling 50 W; FR 75-20,000 Hz. Black vinyl finish. 12 1/4 x 16 3/4 x 10 5/8 in. \$80

PRO 127 2-Way Bookshelf Speaker

Sealed design with 5-in long-throw woofer and 1 1/4-in tweeter. Power handling 50 W; FR 85-20,000 Hz. Walnut wood finish. 8 1/2 x 11 3/8 x 6 1/4 in. \$70

PRO 7 2-Way Bookshelf Speaker

Ported design with 4-in woofer and 1-in soft-dome tweeter. Features die-cast metal enclosure. Power handling 50 W; FR 100-20,000 Hz. Black or white. 4 1/2 x 7 1/8 x 4 3/8 in. \$70

PRO 7AV 2-Way Bookshelf Speaker

4-in woofer, 1-in tweeter. Features die-cast enclosure; magnetic shielding. Power handling 40 W; FR 120-20,000 Hz. 6 x 9 1/4 x 4 3/8 in. \$70

STS 126 2-Way Bookshelf Speaker

Sealed design with 5-in long-throw woofer and 2 1/2-in tweeter. Power handling 40 W; FR 90-20,000 Hz. Walnut vinyl finish. 6 3/4 x 11 x 4 3/8 in. \$37

XTS 21. 4-in driver. Power handling 10 W. Walnut vinyl finish. 5 3/8 x 9 3/8 x 4 3/4 in. \$27

XTS 25. 4-in driver. Features magnetic shielding. Power handling 10 W. 4 7/8 x 6 5/8 x 4 3/8 in. \$20

XTS 31. 5-in driver. Power handling 7 W. 8 1/2 x 10 x 5 1/2 in. \$17

XTS 30. 3-in driver. Power handling 7 W. 4 x 4 x 3 3/8 in. \$17

ORACLE

Helicon 2-Way Speaker

Down-firing woofer, 44-in ribbon tweeter. Features isolated enclosure. Biwire/biamp terminals. FR 35-20,000 Hz \pm 2 dB. Bird's eye maple finish. 14 x 58 x 14 in; 132.5 lb. \$11,995
Piano-black finish. \$9,995

Minerva 2-Way Speaker

Rear-firing woofer, 44-in ribbon tweeter. Features isolated enclosure. Biwire/biamp terminals. FR 50-20,000 Hz \pm 2 dB. Piano black finish. 15 x 55 1/2 x 14 in; 114 lb. \$7,495
Gray. \$6,495

Mentor Studio 2-Way Speaker

Rear-firing 8 1/2-in woofer, tweeter. Features isolated enclosure. Biwire/biamp terminals. FR 50-20,000 Hz \pm 2 dB. Molded granite. Dimensions: 10 x 37 7/8 x 14

in; weight: 110 lb. \$4,995
Piano black finish. 64 lb. \$4,295
Gray. 64 lb. \$3,995

Thalia 2-Way Speaker

Rear-firing 8 1/2-in woofer, tweeter. Biwire biamp terminals. FR 50-20,000 Hz \pm 2 dB. Piano black finish. 10 x 35 1/2 x 14 in; 54 lb. \$3,995
Gray finish. \$3,195

Mentor Monitor 2-Way Speaker

8 1/2-in woofer. FR 55-20,000 Hz \pm 2 dB. Molded granite. 7 1/2 x 13 3/4 x 12 in; 65 lb. \$2,995
Piano black finish. 19 lb. \$2,295
Gray. 19 lb. \$1,895
Upgrade to Mentor Studio. \$2,095

ÖTVÖS INDUSTRIES

Mach 7 3-Way Speaker

15-in woofer, two 6 1/2-in midranges, 1-in titanium-dome tweeter, ribbon supertweeter. Features 3-mm layer of felt behind grille cloth; 12-element passive crossover; active crossover. Power handling 500 W; crossover points 150 and 2,300 Hz; FR 28-20,000 Hz \pm 1 dB; sens 89.8 dB; imp 8 ohms. Cultured latex and nitro cellulose finish; custom finish available. 20 x 30 x 48 in; 180 lb. \$7,500

OWI

LPV-53 3-Way Outdoor Speaker

Features appearance of a rock; ultraviolet-protected waterproof cabinet. Power handling 60 W cont avg; FR 60-22,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. 22 x 15 x 25 in; 70 lb. \$560
SPV-03. As above, power handling 50 W cont avg, FR 90-22,000 Hz, sens 92 dB SPL/W/m. 18 x 12 x 24 in; 50 lb. \$450

Model 3301 Wall/Ceiling Speaker

5 1/2-in honeycomb-ring woofer, coaxially mounted tweeter. Features 10-oz strontium magnet. FR 50-20,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. White. 10 x 1 1/4 in; 3 lb. \$450/pr

OWI-503 3-Way Outdoor Speaker

5 1/4-in woofer, 2- and 1-in tweeters. Features die-cast aluminum cabinet. Crossover points 6,000 and 9,000 Hz; frequency response 60-22,000 Hz; sensitivity 93 dB sound-pressure level/watt/meter; impedance 8 ohms. Black or cream. 6 3/4 x 10 x 6 in. \$350/pr

Thindy II 2301 Wall/Ceiling Speaker

5 1/2-in honeycomb-ring driver. Features 8 1/2-oz strontium magnet. FR 65-20,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms. Black or ivory finish. 9 x 9 x 1 3/4 in; 2 lb. \$350/pr

OWI-502 2-Way Outdoor Speaker

5 1/4-in woofer, 2-in tweeter. Features die-cast aluminum cabinet; 10-oz magnet. Power handling 60 W cont avg; crossover point 6,000 Hz; FR 60-19,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. Black, cream, or white. 6 3/4 x 10 x 6 in; 7 lb. \$320/pr

OWI-900 Outdoor Subwoofer

5 1/4-in driver. Features die-cast aluminum cabinet; 10-oz magnet. Crossover point 430 Hz; FR 40-450 Hz; sens 93 dB SPL/W/m; imp 8 ohms. Black. 6 3/4 x 10 x 6 in. \$225

Model 3302 Outdoor Wall/Ceiling Speaker

5 1/2-in honeycomb-ring driver. Features 10-oz strontium magnet. Sens 91 dB SPL/W/m; imp 4 ohms. White. \$200/pr

OWI-203 3-Way Outdoor Speaker

4-in polypropylene woofer, 2- and 1/2-in Mylar tweeters. Features die-cast aluminum cabinet; 10-oz strontium magnet. Power handling 100 watts maximum; crossover points 6,000 and 9,000 Hz; frequency response 90-22,000 Hz; sensitivity 92 dB sound-pressure level/watt/meter; impedance 8 ohm. Gray, black, or cream. 4 1/2 x 7 x 4 in; 5.5 lb. \$190/pr

S P E A K E R S

OWI-202 2-Way Outdoor Speaker

4-in polypropylene woofer, 2-in Mylar tweeter, 10-oz strontium magnet. Crossover point 6,000 Hz; FR 90-20,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. Black, cream, or white. 4½ x 7 x 4 in \$170/pr

M-5CX Outdoor Speaker

5¼-in polypropylene woofer, coaxially mounted ½-in tweeter. Features 7-oz magnet. Power handling 20 W min; FR 50-20,000 Hz; sens 94 dB SPL/W/m; imp 4 ohms. White \$89

M-4F Outdoor Speaker

4-in polypropylene driver. Features 4-oz magnet. FR 70-18,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. White \$65

OXFORD

KT-168 2-Way Speaker

Vented design with 4-in woofer, tweeter. Power handling 60 W; FR 100-21,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 11 x 24 x 14 in \$299

PACIFIC

HTB-6 Home Theater System

Subwoofer with two 6½-in carbon-infused polypropylene drivers; five 2-way satellites, each with 4-in woofer. Features 120-Hz subwoofer crossover. Swiveling satellite mounting brackets. Power handling 120 W subwoofer, 60 W satellite; sens 90 SPL/W/m; imp 8 ohms. Subwoofer: 11 x 24 x 14 in. Satellites: 5 x 7½ x 5 in \$500

PAC40 2-Way Outdoor Speaker

Vented design with 4-in woofer. Features weather and temperature resistance. Power handling 60 W; FR 100-21,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black. 7¾ x 5 x 5 in; 3.3 lb \$130

PARADIGM

SB-100 Subwoofer

Band-pass design with 10-in driver. Features 1½-in voice coil; Kapton former; 5.5-lb magnet; 24-dB/oct crossover. Power handling 200 W; crossover point 100 Hz; FR 36-100 Hz ± 2 dB; sens 94 dB SPL/W/m. 17 x 16¾ x 19 in; 42 lb \$239

CC-100 2-Way Center-Channel Speaker

Two 5½-in die-cast chassis polypropylene woofer, ¾-in ferrofluid-cooled tweeter. Features Kapton former; 12-dB/oct crossover. Power handling 120 W; frequency response 70-20,000 Hz ± 2 dB; sensitivity 92 dB sound-pressure level/watt/meter. Oak or black-ash finish. 19½ x 6½ x 7½ in; 18 lb \$189
CC-200. As above, FR 60-20,000 Hz ± 2 dB. 17½ x 6½ x 14½ in; 20 lb \$189

Monitor Series

The following feature ferrofluid tweeter cooling/damping, phase-corrected crossovers, Medite baffles, and Medite platform bracing. All are available in walnut, light-oak, dark-oak, or black-ash wood-veneer finish.

Studio Monitor 3-Way Speaker

Two 8-in die-cast mineral-filled polypropylene woofers, 5-in mineral-filled polypropylene midrange, 1-in aluminum-dome tweeter. Features 12- and 18-dB/oct crossovers; aluminum/Nomex woofer formers; Kapton midrange former. Triwire/triamp terminals. Power handling 300 W cont avg; FR 25-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m. 12¼ x 43½ x 16½ in; 93 lb \$1,899/pr

Eclipse Monitor 2-Way Speaker

Two 8-in mica-filled polypropylene woofers, 1-in aluminum-dome tweeter. Features 24-dB/oct crossover; Kapton woofer formers; Medite baffle and platform bracing. Biwire/biamp terminals. Power handling 250 W; FR 28-20,000 Hz ± 2 dB; sens 91 dB SPL/W/m. 11½ x 40 x 16½ in; 73 lb \$1,499/pr

Espirit Monitor 2-Way Speaker

Two 8-in mica-filled polypropylene woofers, 1-in aluminum-dome tweeter. Features die-cast woofer frames; 18-dB/oct crossover; Kapton woofer formers; Medite baffle and platform bracing. Biwire/biamp terminals. Power handling 250 W; FR 34-20,000 Hz ± 2 dB; sens 94 dB SPL/W/m. 10¾ x 37½ x 14¼ in; 62 lb \$1,199/pr

Export Monitor 2-Way Speaker

8-in mineral-filled polypropylene woofer, 1-in aluminum-dome tweeter. Features 24-dB/oct crossover; Kapton woofer former. Biwire/biamp terminals. Power handling 150 W; FR 28-20,000 Hz ± 2 dB; sens 89 dB SPL/W/m. 10¾ x 24 x 14 in; 35 lb \$849/pr

Compact Monitor 2-Way Bookshelf Speaker

6-in mineral-filled polypropylene woofer, 1-in aluminum-dome tweeter. Features 18-dB/oct crossover; Kapton woofer former; Medite baffle and platform bracing. Biwire/biamp terminals. Power handling 100 W; FR 40-20,000 Hz ± 2 dB; sens 88 dB SPL/W/m. Walnut, oak, or black-ash finish. 8½ x 15½ x 12 in; 22 lb \$599/pr

MkII Performance Series

The following feature ferrofluid tweeter cooling, Kapton woofer formers, phase-corrected crossovers, and radial/lateral bracing. All are available in oak or and black-ash finish.

Model 11se Mk3 3-Way Speaker

Two 8-in mineral-filled polypropylene woofers, 6-in die-cast chassis polypropylene midrange, 1-in treated-textile dome tweeter. Features 12- and 18-dB/oct crossovers. Biwire/biamp terminals. Power handling 250 W; FR 28-20,000 Hz ± 2 dB; sens 92 dB SPL/W/m. 11¼ x 43½ x 15½ in; 68 lb \$1,049/pr

Model 9se Mk3 2-Way Speaker

Two 8-in polypropylene woofers, 1-in treated-textile dome tweeter. Features 18-dB/oct crossover. Biwire/biamp terminals. Power handling 200 W; FR 32-20,000 Hz ± 2 dB; sens 93 dB SPL/W/m. 10½ x 37 x 14¾ in; 50 lb \$729/pr

Model 7se Mk3. As above, two 6-in woofers. 12-dB/oct crossover. Power handling 175 W; FR 34-20,000 Hz. 8¼ x 34½ x 14¾ in; 43 lb \$629/pr

Model 5se Mk3. As 9se Mk3, 12-dB/oct crossovers. Power handling 150 W; sens 90 dB SPL/W/m. 9½ x 33¼ x 11½ in; 35 lb \$529/pr

Model 3se Mk3. As 9se Mk3, 12-dB/oct crossovers. Power handling 150 W; FR 38-20,000 Hz ± 2 dB. 10 x 20½ x 11½ in; 24 lb \$399/pr

Mini-MkII 2-Way Bookshelf Speaker

6-in polypropylene woofer, 1-in treated-textile dome tweeter. Features 12-dB/oct crossover. Power handling 100 W; FR 48-20,000 Hz ± 2 dB; sens 89 dB SPL/W/m. 8¼ x 14¾ x 9½ in; 18 lb \$299/pr

Architectural Monitor Series

The following feature a one-piece main-housing/driver chassis made of die-cast aluminum, phase-corrected crossovers, mounting brackets for new-construction/retrofit installation, and a white-enamel finish.

AMS-300 2-Way In-Wall Speaker

8-in mineral-filled polypropylene woofer, 1-in ferrofluid-cooled aluminum-dome tweeter. Features Kapton woofer former; 18-dB/oct crossover. Power handling 150 W; FR 45-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m. 8¾ x 12¾ x 3¾ in; 14 lb \$469/pr

AMS-200 2-Way In-Wall Speaker

6-in mineral-filled polypropylene woofer, 1-in textile-dome tweeter. Features aluminum/Nomex former. Power handling 100 watts; frequency response 70-20,000 Hz ± 2.5 decibels; sensitivity 88 dB sound-pressure level/W/m. 8 x 12 x 3¾ in \$369/pr

Performance Series

The following feature phase-corrected crossovers. All are available in oak or black-ash finish.

Phantom 2-Way Bookshelf Speaker

8-in polypropylene woofer, ¾-in ferrofluid-cooled tweeter. Features Kapton former; die-cast woofer chassis; 12-dB/oct crossover. Power handling 150 W; FR 40-20,000 ± 2 dB; sens 90 dB SPL/W/m. 9¾ x 18¼ x 11½ in; 22 lb \$289/pr

Titan 2-Way Bookshelf Speaker

6-in polypropylene woofer, ¾-in ferrofluid-cooled tweeter. Features Kapton former; 12-dB/oct crossover. Power handling 100 W; FR 55-22,000 Hz ± 2 dB; sens 88 dB SPL/W/m. 7¾ x 12½ x 9½ in; 13 lb \$199/pr

Atom 2-Way Bookshelf Speaker

5½-In die-cast chassis polypropylene woofer, ¾-in ferrofluid-cooled tweeter. Features Kapton former; 12-dB/oct crossover. Power handling 80 W; FR 60-20,000 Hz ± 2 dB; sens 89 dB SPL/W/m. 6½ x 10 x 7½ in; 9 lb \$159/pr

PARAGON ACOUSTICS

Regent 2-Way Speaker

Vented design with two 7-in woofers and one 1-in fabric-dome tweeter in D'Appolito configuration. Features resin-cast 12-dB/oct crossover; onboard electronic filter for 6th-order design; damping via proprietary putty and ¼-in lead sheets; Cardas internal wiring. Power handling 200 W cont; FR 20-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 4 ohms. Walnut, oak, or black finish. 5-yr warranty. 10 x 46¾ x 15 in; 150 lb \$2,800/pr

Jubilee 2-Way Bookshelf Speaker

Aperiodically damped design with 6½-in woofer, ¾-in fabric-dome tweeter. Features 1-in poly-laminate MDF cabinet; damping via proprietary putty and ¼-in lead sheets; separate isolated tweeter housing; phase-aligned design; 3-in woofer voice coil; 14-element resin-cast 12-dB/oct Linkwitz-Riley crossover; Cardas internal wiring. Stand with adjustable spikes optional. Power handling 200 W cont avg; FR 65-20,000 Hz ± 3 dB; sens 85 dB SPL/W/m; imp 8 ohms. Walnut, oak, or black finish. 5-yr warranty. 9 x 16 x 9½ in; 47 lb \$1,495/pr

PARAMOUNT PICTURES

MM-2.5 Powered Subwoofer/Satellite System

Band-pass subwoofer with 5¼-in driver; two 2-way satellites, each with 4½-in driver; integral 3-channel 54-W amp. Designed for multimedia systems. Features braced wood subwoofer enclosure. 2 line-level inputs. Balance, bass, and volume controls. Includes speaker and interconnect cable. Amp output 18 W x 3 rms \$450
MM-2. As above, gray \$350

LT-4e 2-Way Speaker

Two 5¼-in polypropylene woofers, two metal-dome tweeters. Features rubber woofer surrounds; hand-wired computer-grade crossover. Gold-plated 5-way binding posts. Includes stand. Cherry veneer finish \$400
LT-3e. As above, single tweeter \$300

H/T Series

The following combine an entertainment center with a home theater system.

H/T-2HG Home Theater System

Integral subwoofer with 12-in dual-voice-coil driver; integral 2-way center-channel speaker; two separate 3-way speakers, each with 10-in woofer; space for 27-in TV and 4 A/V components. Glass door; adjustable shelves. High-gloss laminate hand finish. \$900

H/T-3CH Home Theater System

Integral subwoofer with 12-in dual-voice-coil driver; integral 2-way center-channel speaker; two separate 2-way speakers, each with two 8-in woofers; space for 27-in TV and 4 A/V components. Glass door; adjustable shelves; tape drawer. Cherry veneer hand

finish \$800

H/T-1 Home Theater System

Integral subwoofer with 15-in dual-voice-coil driver; integral 2-way center-channel speaker; two separate 3-way speakers, each with 12-in woofer; space for 27-in TV and 4 A/V components. Glass door; adjustable shelves. Black woodgrain veneer hand finish \$750

H/T-20K Home Theater System

Integral subwoofer with 12-in dual-voice-coil driver; integral 2-way center-channel speaker; two separate 3-way speakers, each with 10-in woofer; space for 27-in TV and 4 A/V components. Glass door; adjustable shelves. Chatsworth oak veneer hand finish \$750

H/T-6 Home Theater System

Integral subwoofer with 12-in dual-voice-coil driver; two separate 2-way speakers, each with 6½-in woofer; space for 27-in TV and 4 A/V components. Features radiused edges. Adjustable shelves. Black-woodgrain or Chatsworth-oak veneer hand finish \$600

H/T-5. As above, beveled edges \$500

H/T-4 Home Theater System

Integral subwoofer with 10-in dual-voice-coil driver; two separate 2-way speakers, each with 5¼-in woofer; space for 32-in TV and 3 A/V components. Adjustable shelves. Charcoal-gray hand finish \$450

Theater Reference Series

The following feature a hand-wired crossover and a black-woodgrain or Chatsworth-oak vinyl hand finish.

SS-48 Subwoofer/Satellite System

Bandpass subwoofer with 8-in dual-voice-coil driver; two 2-way dual-enclosure satellites, each with 4-in woofers, tweeter. Features subwoofer cabinet bracing. Push-type connectors \$450

SW-15 Subwoofer

Down-firing dual-voice-coil 15-in driver. Features braced end-table-style enclosure. Push-type connectors \$280

MS-280 2-Way Speaker

Two 8-in woofers, dome tweeter. Braced enclosure. 47½-in height \$270

Model 310. As above, 40-in height \$220

SW-12 Subwoofer

Slide-firing dual-voice-coil 12-in driver. Features braced slim-line enclosure. Push-type connectors \$210

SW-88. Subwoofer with dual-voice-coil 8-in driver in band-pass enclosure \$190

CC-3. Center-channel speaker with two 4½-in woofers, dome tweeter \$100

Model 65. Bookshelf speaker with 6½-in woofer, dome tweeter \$90

RC-5. Bookshelf speaker with 5¼-in woofer, dome tweeter \$85/pr

RC-4. Bookshelf speaker with 4½-in woofer, dome tweeter \$75/pr

Model 62. Surround speaker with 6½-in woofer, dome tweeter \$70

CC-2. Center-channel speaker with two 4½-in drivers \$65

Premier Series

The following feature a hand-wired computer-grade passive crossover and are available in black-woodgrain or Chatsworth-oak vinyl finish.

PW-15 Subwoofer

Down-firing dual-voice-coil 15-in driver. Features braced end-table-style enclosure. Push-type connectors \$350

PW-12 Subwoofer

Slide-firing dual-voice-coil 12-in driver. Features braced slim-line enclosure. Push-type connectors \$280

P-8. Tower speaker with 8-in woofer, dome midrange, dome tweeter \$280

PW-8. Subwoofer with dual-voice-coil 8-in driver in band-pass enclosure. Push-type connectors \$230

P-6. Bookshelf speaker with 6½-in woofer, dome tweeter \$160

P-5. Bookshelf speaker with 5¼-in woofer, dome tweeter \$125

PC-3. Center-channel speaker with two 4½-in woofers, dome tweeter \$120

PEGASUS AUDIO

RockMaster 3 2-Way Speaker

Vented design with 15-in woofer and 4 x 11-in horn tweeter. Crossover point 3,500 Hz; FR 46-20,000 Hz; sens 97 dB SPL/W/m; imp 6 ohms. Black. 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. Crossover point 3,500 Hz; FR 36-20,000 Hz; sens 94 dB SPL/W/m; imp 8 ohms. Black. 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. Crossover point 3,500 Hz; FR 58-20,000 Hz; sens 97 dB SPL/W/m; imp 8 ohms. Black. 32 x 20 x 13 in; 67 lb \$1,600/pr

Kit form of above \$800/pr

Gemini 2-Way Speaker

Compound vented design with two 6½-in woofers and one 1-in honeycomb tweeter. Crossover point 5,500 Hz; FR 40-20,000 Hz ± 3 dB; sens 87.2 dB SPL/W/m; imp 4 ohms. Laminated cherry finish. 9½ x 39 x 9½ in; 43 lb \$1,500/pr

Kit form of above \$1,050/pr

Stereo Subwoofer

Vented design with four 8-in composite drivers. 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 Subwoofer/Satellite System

2 vented subwoofers with 6½-in drivers, 2 satellites, each with 4½-in midrange and ¾-in dome tweeter. Crossover points 150 and 5,000 Hz; FR 46-24,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. Walnut or black-lacquer finish. 70 lb \$1,299

Kit form of above \$899

Trío. As above, one subwoofer. FR 50-24,000 Hz. 67 lb \$1,099

Kit form of above \$770

Delta II 2-Way Speaker

Vented design with 6½-in woofer and 1-in dome tweeter. Crossover point 3,000 Hz; FR 44-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Laminated English-oak finish. 9 x 20 x 13 in; 28 lb \$1,100/pr

Kit form of above \$770/pr

Lambda 2-Way Bookshelf Speaker

Vented design with 6½-in woofer and ¾-in dome tweeter. Crossover point 4,000 Hz; frequency response 44-20,000 Hz ± 3 dB; sens 88 dB sound-pressure level/W/m; imp 6 ohms. Laminated English-oak finish. 9 x 17 x 11 in; 20 lb \$850/pr

Kit form of above \$595/pr

Apollo Subwoofer

Vented design with 12-in driver. Frequency response 35-200 Hz ± 3 dB; sens 90 dB SPL/W/m; Impedance 8 ohms. Laminated black-matte finish. Dimensions: 35½ x 14½ x 14½ in; 60 lb \$675

Kit form of above \$400

Alpha III 2-Way Bookshelf Speaker

Vented design with 5¼-in woofer and ¾-in dome tweeter. Crossover point 4,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Laminated English-oak finish. 7 x 17 x 11 in; 20 lb \$600/pr

Kit form of above \$420/pr

Athena Subwoofer

Vented design with 8-in driver. FR 35-200 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. Laminated black-matte finish. 39 x 9½ x 9½ in; 43 lb \$500

Kit form of above \$300

PHASE TECHNOLOGY

PC-60/50 MkII Subwoofer/Satellite System

PC50 subwoofer, two PC60 satellites. Power handling 150 W; crossover points 90 and 1,200 Hz; sens 89 dB; imp 8 ohms \$830

PC-40/50 MkII Subwoofer/Satellite System

PC50 subwoofer, two PC40 satellites. Power handling 100 W rms; crossover points 90 and 1,500 Hz; FR 30-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 8 ohms \$730

PC Series

PC-10.5 3-Way Speaker

10-in solid-piston woofer, Kevlar-laminated 5¼-in solid-piston midrange, 1-in soft-dome tweeter. Power handling 150 W; FR 25-20,000 Hz + 2 dB; sens 89 dB; imp 6 ohms. Piano-black finish. 13 x 44 x 13½ in; 110 lb \$2,400/pr

PC-8.5 3-Way Speaker

10-in solid-piston woofer, 5¼-in solid-piston midrange, 1-in soft-dome tweeter. Power handling 120 W; FR 35-20,000 Hz ± 2 dB; sens 89 dB; imp 4 ohms. Dark oak, walnut, or black finish. 13 x 39½ x 11¼ in; 90 lb \$1,200/pr

PC-6.5. As above, 8-in woofer. Power handling 100 W; FR 42-20,000 Hz ± 2 dB. 11 x 36¾ x 9 in; 58 lb \$900/pr

PC-80 2-Way Bookshelf Speaker

6½-in solid-piston woofer, 1-in soft-dome tweeter. Power handling 100 watts; frequency response 50-20,000 Hz ± 3 decibels; sensitivity 88 dB; impedance 6 ohms. Dark-oak, light-oak, walnut, or black finish. 9½ x 15½ x 11¼ in; 32 lb \$650/pr

PC-80 AV. As above, magnetically shielded. Black \$700/pr

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 watts; frequency response 55-20,000 Hz ± 3 decibels; sensitivity 88 dB; impedance 4 ohms. Walnut, dark-oak, light-oak, or black finish. 8 x 13½ x 8 in; 15 lb \$480/pr

PC-60 II AV. As above, magnetically shielded. Black \$550/pr

PC-40 MkII 2-Way Bookshelf Speaker

Acoustic-suspension phase-coherent design with 5¼-in solid-piston woofer and 1-in soft-dome tweeter. Power handling 80 watts; frequency response 70-20,000 Hz ± 3 decibels; sensitivity 88 dB; impedance 6 ohms. Walnut, dark-oak, light-oak, or black finish. 6½ x 9¾ x 5¼ in; 10 lb \$380/pr

PC-50 MkII Subwoofer

Acoustic-suspension design with 10-in downward-firing solid-piston driver. Features polypropylene capacitors; passive crossover. Power handling 150 W; FR 30-90 Hz ± 3 dB; sens 88 dB; imp 8 ohms. Walnut, light-oak, dark-oak, or black finish. 13 x 14 x 15 in; 33 lb \$350

PC 2-Way Center-Channel Speaker

Two 5½-in woofers, one 1-in ferrofluid-cooled soft-dome tweeter. Features magnetic shielding. Power handling 100 W; FR 75-20,000 Hz ± 2 dB; sens 90 dB; imp 8 ohms. Black laminate finish. 20 x 6¼ x 10½ in; 26 lb \$300

Theater Series**Model 9T 3-Way Speaker**

Low-diffraction design with 8-in polypropylene woofer, 1½-in rear-firing soft-dome midrange, and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 125 W; frequency response 40-20,000 Hz \pm 3 dB; sensitivity 91 dB; impedance 8 ohms. Black cloth covering with black laminate top and base. Dimensions: 10 x 38½ x 14½ in; 68 lb \$750/pr
Oak finish \$795/pr

Model 7T 2-Way Speaker

Low-diffraction design with 8-in polypropylene woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 100 W; FR 40-20,000 Hz \pm 3 dB; sens 90 dB; imp 8 ohms. Black cloth covering with black laminate top and base \$550/pr
Oak finish \$590/pr

Model 5T 2-Way Speaker

Low-diffraction design with 6½-in polypropylene woofer and 1-in ferrofluid-cooled soft-dome tweeter. Power handling 75 W; FR 45-20,000 Hz \pm 3 dB; sens 90 dB; imp 8 ohms. Black laminate finish. 8 x 33 x 10¾ in; 45 lb \$430/pr

Model 2T/T-Sub Subwoofer/Satellite System

One T-Sub subwoofer, two Model 2T satellites. Power handling 75 W/ch; sens 89 dB; imp 8 ohms. Black laminate finish \$400

Model 2T 2-Way Bookshelf Speaker

5¼-in polypropylene woofer, ¾-in ferrofluid-cooled dome tweeter. Power handling 50 watts; frequency response 90-20,000 Hz \pm 3 decibels; sensitivity 90 decibels; impedance 8 ohms. Black laminate finish. 9¾ x 6½ x 5½ in; 17 lb \$200/pr

T-Sub Subwoofer

Bandpass enclosure with two 6½-in drivers. Power handling 75 W; FR 45-150 Hz \pm 3 dB; sens 89 dB; imp 8 ohms. Black laminate finish. 18 x 15 x 8 in; 28 lb \$200

Model 1C 2-Way Speaker

Two 5½-in polypropylene woofers, one ¾-in ferrofluid-cooled dome tweeter. Features magnetic shielding. Power handling 75 W; FR 40-20,000 Hz \pm 3 dB; sens 90 dB; imp 8 ohms. Black laminate finish. 6¼ x 20 x 7½ in; 23 lb \$170

CI Series**CI-60 IV 2-Way In-Wall Speaker**

6½-in solid-piston woofer, 1-in soft-dome tweeter. Features auto-resetting thermal circuit breakers; screened woofer baskets. 5-way binding posts. Power handling 80 W; FR 40-20,000 Hz; imp 8 ohms. 5-yr warranty \$500/pr

CI-40 IV 2-Way In-Wall Speaker

6½-in polypropylene woofer, ¾-in soft-dome tweeter. Features auto-resetting thermal circuit breakers; screened woofer basket. 5-way binding posts. Power handling 80 W; FR 45-20,000 Hz; imp 8 ohms. 5-yr warranty \$400/pr

CI-20 IV 2-Way In-Wall Speaker

6½-in polypropylene woofer, ¾-in dome tweeter. Features auto-resetting thermal circuit breakers; screened woofer basket. 5-way binding posts. Power handling 60 W; FR 50-20,000 Hz; imp 8 ohms. 5-yr warranty \$300/pr

CI-SUB II In-Wall Subwoofer

6 x 9-in damped felt-cone dual-voice-coil driver. Features rubber surround. Power handling 100 W; FR 28-90 Hz; imp 8 ohms \$250

CI-10 IV 2-Way In-Wall Speaker

5-in polypropylene woofer, ¾-in dome tweeter. Features automatically resetting thermal circuit breakers; screened woofer basket. 5-way binding posts. Power handling 50 watts; frequency response 55-20,000 Hz; impedance 8 ohms \$215/pr

PHILIPS**DSS-930 Digital Powered Speaker System**

Acoustic-suspension design with two 5¼-in woofers, rectangular polyimide-membrane tweeter, integral digital signal processor/crossover, 80-W woofer amp, and 20-W tweeter amp. Features digital signal processing with four 1-bit D/A converters to compensate for FR, phase, and crossover errors; soft-clipping tweeter-protection circuitry; 36-dB/oct crossover. Digital input. Crossover point 4,000 Hz; FR 40-20,000 Hz \pm 3 dB; SN 100 dB. 8¾ x 23 x 13 in; 35 lb \$1,200

DSC-950. Digital preamp 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, and aluminum-dome tweeter. Features tweeter chamber; 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-in height x 14-in diameter; 46 lb \$2,000/pr

Illusion M. As above, two 4-in polypropylene mid-basses. Includes stand. 38-in height x 7-in diameter on stand. 32 lb \$1,100/pr

Illusion WM. As Illusion M, without stand. Designed for wall mounting. 22 x 8-in width. 20 lb \$1,100/pr

PINNACLE**Arctic Series**

The following feature a 4th-order vented diaduct-port design, hand-made cabinets, and 6 coats of paint. Color choices include white, black, and red.

Arctic 2 2-Way Bookshelf Speaker

Two 5½-in polypropylene woofers, 1-in ferrofluid-cooled dome tweeter. Features rubber woofer surrounds. Power handling 100 W rms; crossover point 3,000 Hz; FR 38-22,000 Hz; sens 90 dB SPL/W/m; imp 4 ohms. 9½ x 14½ x 8½ in \$460/pr

Arctic 1 2-Way Bookshelf Speaker

5½-in polypropylene woofer, 1-in ferrofluid-cooled dome tweeter. Features rubber woofer surround. Power handling 75 W rms; crossover point 2,500 Hz; FR 45-22,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. 7½ x 11¼ x 6½ in \$360/pr

Audio Cinema Series

The following feature a vented 4th-order diaduct-port design, a continuous-bevel cabinet, and a 7-yr warranty.

AC-850 2-Way Speaker

8-in fiber-cone woofer, 1-in oil-cooled tweeter. Features rubber woofer surround; magnetic shielding. Power handling 125 W rms; crossover point 2,200 Hz; FR 30-21,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. 10¾ x 25½ x 9½ in \$429/pr

AC-800 2-Way Bookshelf Speaker

8-in fiber-cone woofer, 1-in oil-cooled soft-dome tweeter. Features rubber woofer surround. Power handling 100 W rms; crossover point 2,200 Hz; FR 35-21,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. 11 x 18¾ x 10½ in \$369/pr

AC-650 2-Way Bookshelf Speaker

6½-in fiber-cone woofer, ¾-in oil-cooled soft-dome tweeter. Features rubber woofer surround; magnetic shielding. Power handling 85 W rms; crossover point 2,500 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 9½ x 16½ x 8¾ in \$269/pr

AC SUB Subwoofer

Two 6½-in drivers. Designed to be used with AC-400 speakers. Satellite volume switch and crossover.

Power handling 100 W rms; crossover point 120 Hz; FR 36-150 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 21 x 12 x 10¾ in \$249

AC-600 2-Way Bookshelf Speaker

6½-in fiber-cone woofer, ¾-in liquid-cooled dome tweeter. Features rubber woofer surround; magnetic shielding. Power handling 75 W rms; crossover point 4,000 Hz; FR 40-21,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. 8½ x 14¾ x 8½ in \$229/pr

AC-500 2-Way Bookshelf Speaker

5¼-in fiber-cone woofer, ¾-in liquid-cooled dome tweeter. Features rubber woofer surround; magnetic shielding. Power handling 70 W rms; crossover point 5,000 Hz; FR 50-21,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. 8¾ x 11¾ x 6¾ in \$199/pr

AC-400 2-Way Bookshelf Speaker

4-in cone woofer, ¾-in liquid-cooled dome tweeter. Power handling 50 W rms; crossover point 5,500 Hz; FR 60-21,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. 6¾ x 9¼ x 6 in \$169/pr

AC-550 2-Way Bookshelf Speaker

5¼-in fiber-cone woofer, ¾-in oil-cool soft-dome tweeter. Features rubber woofer surround; magnetic shielding. Power handling 75 W rms; crossover point 2,500 Hz; FR 45-21,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. 8¾ x 13 x 7½ in \$129

PIONEER**S-W1000 Powered Subwoofer**

12-in driver; subwoofer/center-channel amp switchable for 70 W x 1 (subwoofer only) or 30 x 1 (subwoofer) + 25 x 1 (center channel). Features magnetic shielding; bridged BTL amp design. Center-channel speaker-level outputs. Subwoofer and center-channel level controls. Crossover point selectable at 60, 80, or 140 Hz. 19¾ x 21 x 17¼ in \$550

S-F100 2-Way In-Wall Speaker

6½-in woofer, 1-in titanium-spattered soft-dome tweeter. Power handling 60 W max; FR 200-20,000 Hz; sens 87 dB; imp 6.5 ohms. 8½ x 15¾ x 3¾ in \$350/pr

CS-G403 3-Way Bookshelf Speaker

Bass-reflex design with 16-in woofer, 4¾-in mid-range, and 2½-in tweeter. Power handling 150 W max; crossover points 2,500 and 7,000 Hz; FR 30-20,000 Hz; sens 92 dB SPL/W/m; imp 6 ohms. Oak-grain vinyl finish. 17¾ x 29½ x 12¾ in \$190

CS-G303. As above, 12-in woofer and 2½-in tweeter. Power handling 120 W max; crossover points 3,500 and 7,000 Hz; FR 35-20,000 Hz; sens 91 dB SPL/W/m. 15 x 26½ x 13 in \$300/pr

CS-G203. As CS-G303, 10-in woofer and 3-in mid-range. Power handling 100 W max; crossover points 3,000 and 6,000 Hz; FR 40-20,000 Hz; sens 90 dB. 13¾ x 24 x 11¾ in; 21 lb \$220/pr

CS-G103 2-Way Bookshelf Speaker

Acoustic-suspension design with 10-in woofer and 2½-in tweeter. Power handling 50 W max; crossover point 5,000 Hz; FR 55-20,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms. Oak-grain vinyl finish. 13 x 22½ x 7½ in; 14 lb \$160/pr

SC-R400 Center/Surround-Speaker System

Shielded center-channel speaker with two 4-in drivers; 2 surround speakers, each with one 4-in driver. Power handling 70 W center, 40 W surround \$150

CS-G53 2-Way Bookshelf Speaker

Bass-reflex design with 5½-in woofer and 2½-in tweeter. Features magnetic shielding. Power handling 70 W max. 8¾ x 14¾ x 7¾ in \$140/pr

S-X7 Surround Speaker

Bass-reflex design with 3½-in full-range cone driver. Power handling 30 W max; FR 100-20,000 Hz; sens 90 dB SPL/W/m; imp 16 ohms. Black vinyl finish. 5¾ x 7½ x 4½ in \$140/pr

S P E A K E R S

S-C55 2-Way Center-Channel Speaker

Bass-reflex design with 4-in woofer and 2½-in tweeter. Features magnetic shielding. Includes mounting brackets. Power handling 130 W; FR 150-20,000 Hz. Black or paintable white. 6¾ x 10¾ x 4¼ in. \$125

CS-C400 Center-Channel Speaker

Bass-reflex design with two 4-in full-range drivers. Features magnetic shielding. Power handling 70 W. Black. 12¾ x 5½ x 10¼ in. \$90

CS-C300 2-Way Center-Channel Speaker

Bass-reflex design with 7-in cone woofer and 2½-in cone tweeter. Designed for home theater systems. Features magnetic shielding. Power handling 70 W max; FR 50-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Black. 8¾ x 13¾ x 7¾ in; 8 lb. \$70

CS-C250II 2-Way Center-Channel Speaker

Bass-reflex design with 5½-in woofer and 2½-in tweeter. Features magnetic shielding. Power handling 70 W max; FR 50-20,000 Hz; sens 88 dB SPL/W/m. 6¾ x 11¾ x 6¾ in; 5 lb. \$65

CS-X500 Surround Speaker

Infinite-baffle design with 4-in full-range cone driver. Power handling 30 W max; FR 100-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Oak or black finish. 5½ x 7½ x 5 in; 3 lb. \$65/pr

Subwoofer/Satellite Systems

Each satellite is magnetically shielded, features a bass-reflex design with a 4-in midrange and a 2½-in tweeter, and measures 6¾ x 10¾ x 4¼ in. Each surround speaker features a bass-reflex design with a 4-in midrange and a 2-in tweeter and measures 6¾ x 10¾ x 4¼ in. Each subwoofer is black, features two 5-in drivers, and measures 7½ x 21¾ x 16¾ in. Satellites and surround speakers are available in black or paintable white. Common specs for all systems, except S-SR55, include power handling 130 W max, crossover points 150 and 1,300 Hz, FR 40-20,000 Hz, sens 87 dB SPL/W/m, and imp 8 ohms.

S-V401. 3 satellites, 2 surround speakers, and 1 subwoofer. Power handling 130 W max. \$880

S-V301. 2 satellites, 2 surround speakers, and 1 subwoofer. \$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; crossover point 3,000 Hz; FR 150-20,000 Hz; sens 87 dB SPL/W/m. \$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, one 2½-in dome midrange, and one 1-in dome tweeter. Features ceramic-graphite tweeter and midrange diaphragms; midrange and tweeter mounted on separate boards; internally braced enclosure. Gold-plated biwire/biamp binding posts. Power handling 300 W max; crossover points 600 and 4,000 Hz; FR 20-40,000 Hz; sens 91 dB SPL/W/m; imp 4 ohms. 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, one 4-in cone midrange, and one 1-in dome tweeter. Features ceramic-carbon tweeter diaphragm; internally braced enclosure. Gold-plated biwire/biamp binding posts. Power handling 250 W max; crossover points 800 and 4,000 Hz; FR 20-40,000 Hz; sens 89 dB SPL/W/m; imp 4 ohms. Piano black finish. \$700

POLK

LS90 2-Way Speaker

Ported design with four 6½-in woofers and one 1-in dome tweeter. Crossover point 2,500 Hz; FR 20-26,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Rose-

wood-laminate, black, or oak finish. 70 lb. \$1,699/pr
LS70. As above, two 7½-in midranges. FR 25-26,000 Hz. 59 lb. \$1,199/pr
LS50. As LS90, two 6½-in midranges. FR 30-26,000 Hz; sens 89 dB. 10¾ x 32½ x 11¾. \$799/pr

RM5000 Home Theater System

Subwoofer with two 6½-in drivers and 10-in passive radiator; two satellites, each with 3½-in driver and ¾-in dome tweeter, center-channel speaker with two 3½-in drivers and ¾-in dome tweeter. Power handling 125 W; imp 8 ohms. Black. \$1,049

RM3000 Subwoofer/Satellite System

Subwoofer with two 6½-in drivers and 10-in passive radiator; two satellites, each with 3½-in midrange and ¾-in dome tweeter. Power handling 125 W; FR 42-18,000 Hz ± 0, -3 dB; imp 8 ohms. Black-matrix, piano-black, or white finish. Subwoofer: 12½ x 20¼ x 13 in. Satellites: 7 x 4¾ x 5½ in. 46 lb. \$799

S10 2-Way Speaker

7½-in woofer, 1-in tweeter, 10-in passive radiator. FR 25-25,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Black or oak finish. 33 lb. \$599/pr
S8. As above, 7½-in woofer, 7½-in passive radiator. FR 28-25,000 Hz; sens 90 dB SPL/W/m. 12 x 25 x 9 in; 28 lb. \$499/pr
S6. As S10, 6½-in woofer, 6½-in passive radiator. FR 30-25,000 Hz; sens 91 dB SPL/W/m. 10 x 22 x 8 in; 17.5 lb. \$399/pr

CS350LS 2-Way Center-Channel Speaker

Four 4½-in woofers, 1-in trilaminar dome tweeter. FR 60-25,000 Hz; sens 89 dB; imp 8 ohms. Black. 26 x 6¼ x 11 in; 33 lb. \$450

RM2000 2-Way Bookshelf Speaker

3½-in woofer, ¾-in dome tweeter. FR 150-20,000 Hz; sens 88 dB SPL/W/m. 4¾ x 7 x 5½ in. \$429/pr

Monitor 6 Subwoofer/Satellite System

Subwoofer with two 6½-in trilaminar drivers; two 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; sens 89 dB SPL/W/m; imp 8 ohms. Black. Subwoofer: 7¼ x 13¼ x 10 in. Satellites: 5¼ x 8½ x 5¾ in. 35 lb. \$400

RM1000W Subwoofer

Two 6½-in woofers, 10-in passive radiator. FR 25-300 Hz; sens 88 dB SPL/W/m. Black. 12½ x 20¼ x 13 in; 38 lb. \$369

CS250S 2-Way Center-Channel Speaker

Two 4½-in woofers, 1-in dome tweeter. FR 80-25,000 Hz; sens 89 dB; imp 8 ohms. Black. 6¼ x 18 x 8½ in. \$300

S4 2-Way Bookshelf Speaker

6½-in woofer, 1-in dome tweeter. Crossover point 3,000 Hz; FR 32-25,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. Black or oak finish. 10 x 16 x 7 in; 13.5 lb. \$279/pr

AW-M³ 2-Way Outdoor Speaker

5¼-in woofer, ½-in dome tweeter. Power handling 100 W; FR 80-20,000 Hz; sens 89 dB; imp 8 ohms. 6½ x 11¼ x 8¼ in; 7 lb. \$279/pr

M³ 2-Way Bookshelf Speaker

5¼-in polymer-laminate woofer, ½-in polycarbonate tweeter. FR 67-20,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Black or white. 6½ x 11¼ x 8½ in; 14 lb. \$200/pr

CS150 2-Way Center-Channel Speaker

4½-in woofer, ½-in dome tweeter, 4½-in passive radiator. FR 100-20,000 Hz; sens 89 dB; imp 8 ohms. Black. 6 x 18 x 6 in; 11 lb. \$200

Monitor 2-Way Bookshelf Speaker

6½-in composite-polymer woofer, ½-in dome tweeter. Power handling 100 W; FR 35-25,000 Hz; sens 91 dB; imp 8 ohms. 8½ x 14 x 7¾ in; 12 lb. \$200/pr

Mini Monitor 2-Way Bookshelf Speaker

5¼-in woofer, ½-in dome tweeter. Power handling 100 W; FR 42-23,000 Hz; sens 90 dB; imp 8 ohms. 6½ x 10½ x 7 in; 7.5 lb. \$150/pr

Architectural Reference AB Series

AB-800 2-Way In-Wall Speaker

Two 6½-in trilaminar-polymer woofers, 1-in polymer-dome tweeter. Features silver tweeter coil. Power handling 150 W cont; FR 43-20,000 Hz ± 0, -3 dB; sens 91 dB; imp 6 ohms. Off white. 6¼ x 15½ x 3 in; 21 lb. \$550/pr

AB-820 In-Wall Subwoofer

Two 6½-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

6½-in trilaminar-polymer woofer, 1-in polymer-dome tweeter. Features silver tweeter coil. Power handling 125 W cont; FR 55-20,000 Hz ± 0, -3 dB; imp 6 ohms. 6¼ x 9¾ x 3 in; 13 lb. \$400/pr

AB-610 2-Way In-Wall Speaker

6½-in woofer, ¾-in dome tweeter. FR 45-20,000 Hz; sens 90 dB SPL/W/m. Paintable white finish. 7¼-in diameter. \$250/pr

AB-500 2-Way In-Wall Speaker

5¼-in trilaminar-polymer woofer, ¾-in polymer-dome tweeter. Power handling 100 W; FR 56-20,000 Hz; sens 89 dB SPL/W/m. Paintable white finish. 6½ x 9¾ x 3 in; 6 lb. \$250/pr

AB-410 In-Wall Speaker

5¼-in driver. FR 60-17,500 Hz; sens 97 dB SPL/W/m. 7¼-in diameter. \$150

POSH

Model 928cd 2-Way In-Ceiling Speaker

8-in mica-injected polypropylene woofer and 1¼-in soft-dome tweeter in acoustic chamber. Power handling 150 W cont avg; FR 35-22,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Round or square grille. 13½ x 7 x 18 in; 8 lb. \$850/pr

Model 528d 2-Way In-Ceiling Speaker

8-in felted-paper cone woofer and ¾-in horn-loaded tweeter in acoustic chamber. Features 1-in voice coil; ferrofluid cooling; injection-molded styrene cabinet. Power handling 50 W cont avg; crossover point 5,000 Hz; FR 47-22,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. 18 x 18 x 1¼ in. \$600/pr

Model 228i 2-Way In-Ceiling Speaker

8-in polypropylene cone woofer, ¾-in polymer-dome tweeter. 1-in voice coil; ferrofluid cooling. Power handling 10-100 W cont avg; crossover point 5,000 Hz; FR 60-18,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. 11-in grille. 18 x 10 x 1 in. \$499/pr

Subwoofers

The following feature an injection-molded fiberglass-reinforced enclosure, internal bracing, and a low/high-pass crossover.

Model 835-4SX Subwoofer

8-in dual-voice-coil driver. Power handling 150 W cont avg; FR 35-100 Hz ± 3 dB; sens 92 dB. \$550

Model 835-4S. As above, no crossover. \$400

Model 835-8MX Subwoofer

8-in driver. Power handling 150 W cont avg; FR 35-100 Hz ± 3 dB; sens 89 dB. 20 lb. \$450

Model 835-8M. As above, no crossover. \$399

PRELUDE

Reference Loudspeaker. \$12,800/pr

CPS Series

CPS-W2 Subwoofer

Two 8-in drivers. Designed for use with CPS1 or

S P E A K E R S

CPS2. Features biamp/biwire terminals. Power handling 200 W; sens 89 dB SPL/W/m; imp 8 ohms \$1,000/pr

CPS2 2-Way Speaker

Two 6-in woofers and 1-in linen-dome tweeter in coherent point-source array. Features ferrofluid cooling. Biwire/biamp terminals. Power handling 120 W; FR 45-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms \$900/pr

CPS-W200 Powered Subwoofer

12-in driver; 200 W x 1 cont avg amp. Features built-in crossover \$800

CPS-W100. As above, 100 W x 1 amp \$600

CPS-W1 Subwoofer

8-in driver. Designed for use with CPS1 or CPS2. Biwire/biamp terminals. Power handling 150 W; sens 89 dB SPL/W/m; imp 8 ohms \$600/pr

CPS1 2-Way Speaker

6-in woofer and 1-in linen-dome tweeter in coherent point-source array. Features ferrofluid cooling. Biwire/biamp terminals. Power handling 100 W; FR 45-20,000 Hz \pm 3 dB; sens 89 dB \$500/pr

CPS-SAT 2-Way Surround Speaker

5-in woofer, 1-in linen-dome tweeter. Features ferrofluid cooling. Power handling 70 W; FR 50-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms \$350/pr

CPS-CC 2-Way Center-Channel Speaker

4-in woofer, 1-in linen-dome tweeter in coherent point-source array. Features ferrofluid cooling. Power handling 150 W; FR 45-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms \$300

CPS-A100. 100-W amp module for CPS-W1 or CPS-W2. Features balanced and unbalanced line-level inputs \$800/pr

CPS-A75. 75-W amp module for CPS-W1 or CPS-W2. Speaker- and line-level inputs \$600/pr

Monitor Series

The following, except MSub10, feature a 4th-order alignment and ferrofluid tweeter cooling.

M4 2-Way Speaker

Vented design with two 8-in fiber-coated woofers, 1-in linen dome tweeter. Biwire/biamp terminals. Power handling 150 W; FR 30-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms \$900/pr

M3. As above, one woofer. Power handling 120 W; FR 35-20,000 Hz \pm 3 dB, sens 90 dB \$700/pr

M2. As M3, power handling 100 W, FR 40-20,000 Hz \pm 3 dB, sens 90 dB SPL/W/m \$500/pr

MSub10 Powered Subwoofer

10-in driver; 90 W x 1 cont avg amp. Features built-in crossover \$500

M1 2-Way Speaker

Vented design with 6-in fiber-coated woofer, 1-in linen dome tweeter. Biwire/biamp terminals. Power handling 100 W; FR 42-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms \$400/pr

M-SAT 2-Way Surround Speaker

Vented design with 4-in woofer, 1-in linen dome tweeter. Power handling 50 W; FR 55-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms \$300/pr

MCC 2-Way Center-Channel Speaker

Vented design with 4-in woofer, 1-in linen dome tweeter. Power handling 100 W; FR 55-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms \$250

PROAC

The following are available in teak, walnut, or black-ash finish.

Response Four 3-Way Speaker

Two 9-in coated woofers, two 3-in soft-dome mid-

ranges, and 1-in rear-firing ferrofluid-cooled soft-dome tweeter. 3-in ribbon-wound woofer and mid-range voice coils; fiberglass-base crossover; AC chokes; silvered capacitors; ceramic resistors. Power handling 500 W; FR 20-25,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. 14 x 63 x 17 in \$18,000/pr

Response Three 2-Way Speaker

Two 6 1/2-in polypropylene woofers, 1-in dome tweeter. Power handling 250 W max; FR 20-25,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. 11 x 47 x 12 in \$6,500/pr

Response Two. As above, 3/4-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 Response Three, 5-in carbon polypropylene woofer, 3/4-in dome tweeter. FR 45-30,000 Hz; sens 85 dB SPL/W/m. 7 x 12 x 9 1/4 in \$1,800/pr

Studio 200 2-Way Speaker

Two 7-in magnesium-frame woofers, 1-in dome tweeter. Power handling 250 W max; FR 30-22,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 8 x 42 x 10 in; 58 lb \$3,000/pr

Studio 100 2-Way Bookshelf Speaker

6 1/2-in woofer, 1-in dome tweeter. Power handling 150 W max; FR 40-30,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. 8 x 16 x 10 in; 25 lb \$1,500/pr

Tablette III 2-Way Bookshelf Speaker

4 1/2-in woofer, 3/4-in dome tweeter. Power handling 100 W max; FR 45-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. 6 x 10 1/2 x 9 1/4 in; 11 lb \$950/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 mid-range, and 1-in dome tweeter. Power handling 200 W; FR 37-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. 13 1/2 x 27 1/4 x 12 in \$899/pr

PT-821 2-Way Speaker

Ported design with 8-in cone woofer and 1 1/4-in dome tweeter. Power handling 500 W; FR 31-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. 10 1/2 x 35 3/8 x 13 1/4 in \$849/pr

PT-652D 2-Way Speaker

Ported design with two 6 1/2-in drivers and 1 1/4-in tweeter in D'Appolito configuration. Power handling 500 W; crossover point 2,500 Hz; FR 40-20,000 Hz; sens 93 dB SPL/W/m; imp 4 ohms. 9 x 24 x 13 1/2 in \$680/pr

PT-6521 2-Way Bookshelf Speaker

Ported design with 6 1/2-in cone woofer and 1-in dome tweeter. Power handling 120 W; FR 45-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. 13 1/2 x 17 1/4 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 \pm 1 dB; sens 88 dB; imp 4 ohms. Black high-gloss finish \$2,350/pr

Black, light, or dark oak finish \$2,100/pr

Stratus Silver 2-Way Speaker

Two 6 1/2-in polymer woofers, 1-in aluminum-dome tweeter. Power handling 200 W max; crossover points 500 and 2,100 Hz; FR 40-20,000 Hz \pm 1.5 dB; sens 91 dB; imp 4 ohms. Black high-gloss finish. 13 1/2 x 38 3/4 x 9 1/2 in; 60 lb \$1,650/pr

Black, light, or dark oak finish \$1,500/pr

Stratus Mini 2-Way Speaker

6 1/2-in woofer, 3/4-in aluminum-alloy dome tweeter.

Definitive Technology[®] Authorized Dealers

- AK-** Holt's Fairbanks; Pyramid Anchorage.
AL- In Concert; Huntsville; Likis Audio; Birmingham.
AR- Leisure Electronics; Little Rock.
AZ- Jerry's Audio Video; Phoenix; Tucson.
CA- Audio Concepts; Long Beach; San Gabriel; Coast Satellite TV; Atascadero; Creative Stereo; Sta. Barbara; Ventura; David Rutledge Audio; Palm Springs; Henry Radio; Los Angeles; Pacific Coast A/V; Corona del Mar; Paradyme; Sacramento; Performance Audio; San Francisco; Sound Co.; Escondido, San Diego; Sound Goods; Campbell, Mtn. View Systems Design; Redondo Beach; Wilson A/V; Woodland Hills.
CO- Listen Up; Denver; Boulder, Colorado Springs.
CT- Al Franklin's; Hartford; Carston's A/V; Danbury; Robert's Music; New London; Sound Playground; Newington, Orange, Norwich.
DC- Suburbs Audio Associates.
DE- Sound Studio; Dover, Newark, Wilmington.
FL- Absolute Sound; Winter Park; Audio Ctr.; Ft. Lauderdale; Audio Video; Tallahassee; Audio Video Interiors; Melbourne; Invisible Audio; Pensacola; Hoyt Stereo; Jacksonville; Sound Ideas; Gainesville; Sound Insight; Ft. Pierce; Stereotypes; Daytona; Stereo World; Ft. Myers; Naples; Stuart A/V; Stuart.
GA- Stereo Shop; Martinez; Stereo Video Systems; Marietta.
HI- Maui Audio Center; Kahului.
IA- Audio Logic; Des Moines; Camera Corner; Davenport; Custom A/V; Cedar Rapids; Hawkeye; Iowa City; Cedar Falls.
ID- Good Ear; Boise.
IL- United Audio Centers; Chicago & Suburbs; Cars & Stereo; Roddord; Jon's Home Center; Quincy; Stereo Studio; Palatine; Select Sound; Naperville; Sterling Elect.; Sterling.
IN- Ovation Audio; Clarksville; Indianapolis.
KS- Accent Sound; Overland Park; Advance Audio; Wichita; Audio Junction; Junction City.
KY- Ovation Audio; Lexington, Louisville.
LA- Alterman Audio; New Orleans; Metairie.
MA- Goodwins Audio; Boston; Shrewsbury; Nantucket Sound; Hyannis; O'Colina; Worcester.
MD- Audio Assoc.; Annapolis; Laurel, Rockville; Cumberland Elec.; Cumberland; Gramophone; Balt., Ellicott City; Soundscape; Balt.; Sound Studio; Salisbury.
ME- Cookin'; Portland.
MI- Pecar's; Detroit; Troy; Classical Jazz; Holland; Front Row A/V; First Future Sound; Ypsilanti; Listening Room; Midland, Saginaw.
MN- Audio Perfection; Minneapolis.
MO- Independence Audio Video; Independence; Sound Central; St. Louis.
NC- Audio Video Systems; Charlotte; Stereo Sound; Durham, Greensboro, Raleigh, Winston Salem; Tri City Elect.; Conover.
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, Santa Fe.
NV- Upper Ear; Las Vegas.
NY- Audio Breakthroughs; Manhasset; Audio Den; Lake Grove; Audio Expressions; Newburgh; Chemung Elect.; Corning; Elmira; Clark Music; Albany, Syracuse; Stereo Exchange; Manhattan; Hart Elect.; Vestal; Innovative Audio; Brooklyn; Listening Room; Scarsdale; Rowe Camera; Rochester; Sound Mill; Mt. Kisco, Yorktown Hts.; Speaker Shop; Amherst, Buffalo.
OK- K Labs Premium Audio; Tulsa.
OH- Audio Craft; Akron, Cleveland, Findlay, Mayfield Hts., Westlake, Toledo; Audio Etc.; Dayton; Speaker Shop; N. Lima, OH; Bradford's HiFi; Eugene; Chelsea Audio Video; Portland, Beaverton; Kelly's Home Ctr.; Salem.
PA- GNT Stereo; Lancaster; Hart Electronics; Blakely, Kingston; Listening Post; Pittsburgh & suburbs; Sassafras; Bryn Mawr, Montgomeryville, Whitehall; Stereoland; Natrona Heights; Studio One; Erie.
RJ- Eastern Audio; North Providence.
SC- Dashboard; Charleston; Stereo Video; Greenville; Upstairs Audio; Columbia.
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TX- Audio Tech; Temple, Waco; Audio Video; College Station; Brock A/V; Beaumont; Bunkley's; Sd. Systems; Abilene; Bjorn's; San Antonio; Don's Hi Fi; Amarillo; High Fidelity; Lubbock; Home Entertainment; Dallas, Houston; Marvin Electronics; Ft. Worth; Sound Town; Texarkana.
UT- AudioWorks; Salt Lake City; Stokes Bros.; Logan.
VA- Audio Associates; Arlington, Fairfax; Audiotronics; Roanoke; Digital Sound; Virginia Beach; Ear Food; Winchester; Stereotypes; Charlottesville.
WA- Audio Waves; Everett; DESCO Electronics; Olympia; Evergreen Audio; Silverdale; Pacific Sight & Sound; Wenatchee; Sound Mart; Spokane; Tin Ear; Kennewick.
W.VA- Sound Post; Princeton.
WI- Absolute Sound & Vision; Sheboygan; Audio Emporium; Milwaukee.
Puerto Rico- Precision Audio; Rio Piedras.
Canada- Advance Electronics; Winnipeg; Audio Ark; Edmonton; Audio Ctr.; Montreal, Ottawa, Quebec City; Bay Bloor; Toronto; CORA; Quebec City; Great West Audio; London; Kelly's; Vamon B.C.; Peak Audio; Halifax; Sight & Sound; Prince Georges; B.C.; Smith's TV; Lethbridge; Ab.; Sound Advice; Calgary; Sound Hounds; Victoria; B.C.; Sound Room; Vancouver; Sound Station; Courtenay; B.C.; West End Elect.; St. Johns N.F.
Mexico- Contact Grupo Volumen; Mexico City.

Definitive Technology[®]

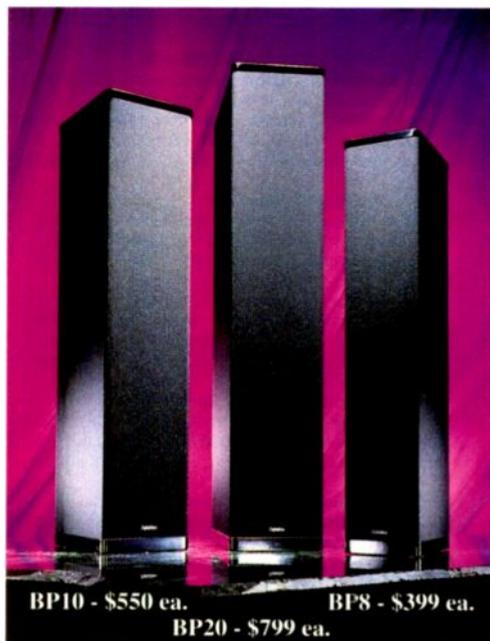
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S P E A K E R S

Includes stand. Power handling 125 W max; crossover point 2,200 Hz; FR 55-20,000 Hz \pm 1.5 dB; sens 86 dB; imp 4 ohms. Gloss black finish \$1,050/pr
Light- or dark-oak finish \$950/pr

PSB-800 2-Way Speaker

Two 8-in carbon-filled polypropylene woofers, 1-in ferrofluid-cooled cloth-dome tweeter. Features cabinet bracing; PVC nitrile woofer surround, bipolar capacitors. Includes steel floor spikes. Power handling 200 W; crossover point 2,000 Hz; FR 48-20,000 Hz \pm 1.5 dB; sens 92 dB; imp 8 ohms. Black or medium oak finish. 10 x 35 $\frac{1}{4}$ x 13 $\frac{1}{2}$ in; 45 lb \$799/pr

Subsonic II Powered Subwoofer

Vented design with 12-in poly-coated compressed-felt cone driver. Features butyl rubber driver surround. Adjustable level and roll-off controls; phase switch. FR 27-150 Hz; sens 106 dB SPL/W/m. Black oak finish. 16 x 16 x 16 in \$799

PSB-500 2-Way Speaker

8-in carbon-filled polypropylene woofer, $\frac{3}{4}$ -in ferrofluid-cooled cloth-dome tweeter. Features PVC nitrile woofer surround; bipolar capacitors. Power handling 150 W; crossover point 2,200 Hz; FR 50-20,000 Hz \pm 1.5 dB; sens 92 dB; imp 6 ohms. Black or medium oak finish. 10 x 23 x 12 in; 29 lb \$499/pr

PSB-400 2-Way Bookshelf Speaker

6 $\frac{1}{2}$ -in carbon-filled polypropylene woofer, $\frac{3}{4}$ -in ferrofluid-cooled cloth-dome tweeter. Features cabinet bracing; rubber PVC woofer surround; bipolar capacitors. Power handling 125 W; crossover point 2,500 Hz; FR 60-20,000 Hz \pm 1.5 dB; sens 89 dB; imp 6 ohms. Black or medium oak finish \$399/pr

PSB-300 2-Way Bookshelf Speaker

6-in polypropylene woofer, $\frac{3}{4}$ -in ferrofluid-cooled polyimide-dome tweeter. Features treated-foam woofer surround; bipolar capacitors. Power handling 80 W; crossover point 3,000 Hz; FR 75-20,000 Hz \pm 2 dB; sens 91 dB; imp 6 ohms. Black or medium oak finish. 8 $\frac{1}{2}$ x 14 $\frac{1}{4}$ x 9 $\frac{1}{2}$ in; 13 lb \$299/pr

Alpha 2-Way Bookshelf Speaker

6 $\frac{1}{2}$ -in woofer, $\frac{1}{2}$ -in ferrofluid-cooled poly-dome tweeter. Stand optional. Power handling 80 W; crossover point 3,000 Hz; FR 90-20,000 Hz \pm 2 dB; sens 90 dB; imp 6 ohms. Simulated black oak finish. 8 $\frac{3}{4}$ x 12 $\frac{3}{8}$ x 9 $\frac{1}{2}$ in; 9.5 lb \$199/pr

Model 100C 2-Way Center-Channel Speaker

Two 4-in woofers, $\frac{1}{2}$ -in poly-flare dome tweeter. Features foam woofer surround. Power handling 100 W max; crossover point 3,000 Hz; FR 95-21,000 Hz \pm 2 dB; sens 93 dB; imp 6 ohms. Black oak finish. 7 $\frac{1}{2}$ x 17 x 6 in; 13 lb \$179

PTS

The following feature magnetic shielding and a 5-yr warranty.

BT-20 Subwoofer/Satellite System

Two subwoofers, each with 10-in driver; 2 bipolar satellites, each with four 5 $\frac{1}{4}$ -in woofers, and two $\frac{3}{4}$ -in tweeters. Power handling 150 W; FR 27-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m \$1,649/pr

BT-10 Subwoofer/Satellite System

Two subwoofers, each with 10-in driver; 2 satellites, each with two 5 $\frac{1}{4}$ -in woofers and one $\frac{3}{4}$ -in dome tweeter in D'Appollo configuration. Power handling 150 W; FR 27-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m \$1,349/pr

BT-5 Subwoofer/Satellite System

Two subwoofers, each with 10-in driver; 2 bipolar satellites, each with two 5 $\frac{1}{4}$ -in woofers and two $\frac{3}{4}$ -in dome tweeters. Power handling 150 W; FR 27-20,000 Hz \pm 3 dB; sens 90 dB \$1,349/pr

DR-10 2-Way Bookshelf Speaker

Bipolar design with two 5 $\frac{1}{4}$ -in woofers and one

tweeter on front and back. Power handling 130 W; FR 100-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m. 6 $\frac{1}{2}$ x 15 $\frac{1}{2}$ x 15 $\frac{1}{2}$ in \$799/pr

AS-10 Powered Subwoofer/Satellite System

Ported subwoofer with 10-in driver; two AS-5 satellites; 65 W x 1 (subwoofer) + 40 x 2 (satellites) amp. Subwoofer doubles as TV stand with VCR shelf. Features 24-dB/oct Linkwitz/Riley crossover. Top plate for 35-in or larger TVs optional \$699

DR-5 Satellite Speaker

Sealed design with two 5 $\frac{1}{4}$ -in woofers and one $\frac{3}{4}$ -in dome tweeter in D'Appollo configuration. Power handling 65 W; FR 100-20,000 Hz \$499/pr

SC-5 2-Way Surround Speaker

Bipolar sealed design with 5-in woofer and $\frac{3}{4}$ -in dome tweeter on front and back. Power handling 75 W; FR 100-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m. 6 $\frac{1}{2}$ x 15 $\frac{1}{2}$ x 9 $\frac{1}{2}$ in \$499/pr

AS-5 2-Way Satellite Speaker

Sealed design with 5 $\frac{1}{4}$ -in woofer, $\frac{3}{4}$ -in dome tweeter. Features rubber woofer surround. Power handling 50 W; FR 100-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m. 6 $\frac{1}{2}$ x 9 $\frac{1}{2}$ x 8 $\frac{1}{2}$ in \$349/pr

QUAD

ESL-63 US Monitor Electrostatic Speaker

Full-range dipole design. Features 2 protection circuits. Power handling 150 W; FR 32-22,000 Hz \pm 4 dB; sens 86 dB SPL/W/m; imp 8 ohms. 19 x 28 x 11 in; 43 lb \$4,795/pr

Gradient SW-63 Subwoofer

Dipole design with four 12-in drivers. Designed to match ESL-63 US Monitor. Features electronic crossover with level control and mono/stereo switch. Balanced version optional. 19 x 28 x 11 in; 41 lb \$2,995/pr

SW-57 Subwoofer

Dipole design with four 8-in drivers. Designed to match original ESL. Features electronic crossover with level control and mono/stereo switch. Balanced version optional. 10 x 21 x 6 in; 20 lb \$1,995/pr

QUANTA TECHNOLOGY

Great Pyramid Subwoofer/Satellite System

Two subwoofers, each with 12-in driver; 2 satellites, each with 6 $\frac{1}{2}$ -in cone midrange and 1 $\frac{1}{8}$ -in dome tweeter. Crossover points 75 and 2,000 Hz; FR 25-20,000 Hz \pm 3 dB; sens 92 dB SPL/W/m; imp 8 ohms. Optional wood finish. 500 lb \$78,000

Full Pyramid 3-Way Speaker System

Two subwoofers, each with one 10-in driver; 2 satellites, each with 5 $\frac{1}{4}$ -in cone midrange and 1 $\frac{1}{8}$ -in dome tweeter. Crossover points 75 and 2,000 Hz; FR 27-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. Matte-black finish. 400 lb \$38,000

The Pyramid 2-Way Speaker

Vented design with 8-in woofer and 1 $\frac{1}{8}$ -in dome tweeter. Crossover point 2,000 Hz; sens 93 dB SPL/W/m; 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; imp 8 ohms. Matte-black finish \$6,500

Baby Pyramid MkIII 2-Way Speaker

Vented design with 5 $\frac{1}{4}$ -in woofer and 1 $\frac{1}{8}$ -in dome tweeter. Crossover point 2,000 Hz; FR 50-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m \$5,500/pr

Baby Pyramid MkII 2-Way Speaker

Vented design with 5 $\frac{1}{4}$ -in woofer and 1 $\frac{1}{8}$ -in dome tweeter. Crossover point 2,000 Hz; FR 54-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. Matte-black finish \$3,990/pr

B-Subwoofer

10-in driver. FR 25-200 Hz; \pm 3 dB; sens 92 dB SPL/W/m; imp 8 ohms. Matte-black finish. 34 x 14 x 24 in; 78 lb \$3,250
Kit form \$2,450

VII MkII 2-Way Speaker

8-in woofer, 1 $\frac{1}{8}$ -in dome tweeter. Crossover point 2,000 Hz; FR 29-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. Matte-black finish \$2,990/pr
Kit form \$2,350/pr

III MkII 2-Way Speaker

8 $\frac{1}{2}$ -in woofer, 1-in dome tweeter. Crossover point 2,000 Hz; FR 47-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. Matte-black finish \$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; imp 8 ohms \$1,290
Kit form \$899

The Amazing Mini-Monitor

Vented design with 5 $\frac{1}{4}$ -in woofer and 1-in dome tweeter. Crossover point 2,500 Hz; FR 54-22,000 Hz \pm 3 dB; sens 88 dB SPL/W/m; imp 8 ohms. 17 x 7 x 11 in; 20 lb \$997/pr
Kit form \$688/pr

RADIO SHACK

AMX 15 Powered Mini Speaker

4-in driver; 5-W amp. Volume and balance controls. FR 20-20,000 Hz. 5 $\frac{1}{8}$ x 4 $\frac{7}{8}$ x 5 $\frac{3}{4}$ in \$120/pr

AMX 11 Powered Mini Speaker

3-in driver; 8-W amp. Includes AC power supply. FR 40-15,000 Hz \$70/pr

AMX 8 Powered Mini Speaker

Two 4-in drivers; 3-W amp. Bass boost and volume controls. Operates on 8 C batteries. 2 $\frac{7}{8}$ x 6 $\frac{3}{4}$ x 5 $\frac{1}{8}$ in \$50/pr

AMX 9 Powered Mini Speaker

2 $\frac{1}{2}$ -in driver, 2-W amp. Operates on 8 C batteries. 3 $\frac{1}{4}$ x 5 $\frac{5}{8}$ x 3 $\frac{1}{4}$ in \$40/pr

AMX 4 Powered Mini Speaker

4-in driver; 1.5-W amp. Bass and treble controls. Operates on 4 C batteries or AC/DC adaptor \$30/pr

RCA

SP5100T 3-Way Speaker

Tuned-port design with side-firing 8-in woofer, 5-in midrange, and 2 $\frac{1}{2}$ -in tweeter. Features magnetic shielding. Power handling 200 W max; FR 50-18,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Charcoal gray. 6 $\frac{1}{2}$ x 38 x 10 $\frac{3}{4}$ in; 60 lb \$599/pr

SP2700T 3-Way Speaker

Features magnetic shielding. Power handling 250 W max; FR 40-18,000 Hz. Oak finish \$599/pr

SP5050C Center-Channel Speaker

Tuned-port design with four 2 $\frac{1}{2}$ -in full-range drivers. Features magnetic shielding. Power handling 120 W max; FR 100-17,000 Hz; sens 94 dB SPL/W/m; imp 8 ohms. 17 x 4 $\frac{1}{2}$ x 6 in; 10 lb \$199/pr

SP5060S2 Surround Speaker

Tuned-port design with 3 $\frac{1}{2}$ -in full-range driver. Features magnetic shielding; plastic cabinet. Includes wall mounting brackets. Power handling 70 W maximum; frequency response 100-10,000 Hz; sensitivity 90 dB sound-pressure level/W/m; impedance 8 ohms. Charcoal gray finish. 6 x 7 $\frac{1}{2}$ x 4 in; 8 lb \$149/pr
SP5065S2. As above, white \$149/pr

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RDL Home Theater System

Subwoofer with 8-in driver; five RDL AV-1 speakers. Power handling 150 W max; crossover points 150 and 2,000 Hz; FR 50-20,000 Hz; sens 87 dB; imp 8 ohms. Black lacquered wood finish. 5-yr warranty. Subwoofer: 12 x 12 x 12 in \$680

RDL FS-1 2-Way Speaker

Acoustic-suspension design with 8-in woofer, 1-in tweeter. Power handling 150 W max; crossover point 2,000 Hz; FR 40-20,000 Hz; sens 87 dB; imp 8 ohms. Lacquered cherry veneer finish \$549

RDL F-1 2-Way Speaker

Acoustic-suspension design with 8-in woofer and 1-in tweeter. Features top-panel woofer mounting. Power handling 150 W max; crossover point 2,000 Hz; FR 40-20,000 Hz; sens 87 dB; imp 8 ohms. Lacquered cherry veneer finish. 5-yr warranty. 11 x 25 x 11 in; 30 lb \$549

RDL B-1 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in woofer and 1-in tweeter. Power handling 150 W max; crossover point 2,000 Hz; FR 45-20,000 Hz; sens 87 dB; imp 8 ohms. 11 x 20 x 11 in; 27 lb \$449

RDL S-1 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in woofer and 1-in tweeter. Features top-panel woofer mounting. Power handling 150 W max; crossover point 2,000 Hz; FR 50-20,000 Hz; sens 87 dB; imp 8 ohms. Lacquered cherry veneer finish \$449

Three Piece Subwoofer/Satellite System

Subwoofer with 8-in driver; two RDL AV-1 speakers. Power handling 150 W max; crossover points 150 and 2,000 Hz; FR 50-20,000 Hz; sens 87 dB; imp 8 ohms. Black lacquered wood finish. 5-yr warranty. Subwoofer: 12 x 12 x 12 in \$385

RDL AV-1 2-Way Speaker

Acoustic-suspension design with 4-in woofer and 1-in tweeter. Features magnetic shielding. Power handling 150 W max; crossover point 2,000 Hz; FR 90-20,000 Hz; sens 87 dB; imp 8 ohms. Lacquered cherry veneer finish. 5-yr warranty \$198

RECOTON

W-440 2-Way Powered Wireless Speaker System

Two bass-reflex speakers, each with 4-in woofer, 2-in tweeter, and 20-W rms amp. Features 150-ft range; ABS enclosures. Bass boost; L/R mono/stereo switches; volume and power switches for each speaker. Includes transmitter, 3 AC adaptors, and phone-to-mini-plug adaptor. Mounting brackets optional. FR 50-15,000 Hz \$300

W-441. Add-on speaker for above. Includes 2 AC adaptors \$240/pr

W-400 Powered Wireless Speaker System

2 bass-reflex speakers, each with 4-in woofer and 2-in tweeter; 10-W rms amp for one speaker, 2nd speaker passive. Features 150-ft range; ABS enclosures. Bass boost; L/R mono/stereo switches. Includes transmitter, 2 AC adaptors, and phone-to-mini-plug adaptor. Mounting brackets optional. FR 50-15,000 Hz \$250

W-401. Add-on speaker for above. Includes AC adaptor \$190/pr

SPX-110 2-Way Powered Bookshelf Speaker

Two 4-in woofers, two 2-in tweeters; 10-W amp. FR 50-15,000 Hz \$130

SPX-100. As above, no amp \$100

HG 555 Powered Mini Speaker

Two 2 1/4-in drivers, two 1 1/4-in drivers; 5-W amp. Mini-plug input. 3-band EQ. Operates on 4 C batteries. FR 50-15,000 Hz; imp 8 ohms \$40

HG 800 Powered Mini Speaker

Two 2 1/2-in-square flat speaker elements with built-in amp \$40

HG 545 Powered Mini Speaker

Two 2-in drivers; 3-W amp. Operates on 4 AA batteries. FR 100-12,000 Hz; imp 8 ohms \$30

HG 530 Powered Mini Speaker

1 W x 2 amp. Mini-plug input. Power-on switch with LED indicator. Operates on 4 AA batteries. DC adaptor optional \$22

HG 535 Powered Mini Speaker

Two 2 1/4-in drivers; 4-W amp. Mini-plug input. Operates on 4 AA batteries. FR 50-15,000 Hz; imp 4-8 ohms \$20

HG 550 Powered Mini Speaker

2 drivers. Power-on switch for LED indicator. Operates on 4 C batteries. DC adaptor optional \$20

HG 525 Mini Speaker

Two 3-in drivers. Mini-plug input. FR 100-12,000 Hz; imp 4-8 ohms \$13.99

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 and feature a 10-yr warranty.

Focus 4-Way Speaker

Three 12-in carbon-poly woofers, two 7-in Kevlar midranges, one 1 1/4-in metalized dome tweeter, and one samarium-cobalt ribbon supertweeter. Features internal bracing; Cardas internal wiring; rolled-tambour front corners. Biwire/biamp terminals. Power handling 1,000 W max; crossover points 180, 2,800, and 12,000 Hz; FR 16-30,000 Hz; sens 98 dB. 16 x 55 x 14 in; 175 lb \$4,850/pr

Convergence 3-Way Speaker

Two 12-in carbon-poly woofers, two 6 1/2-in polyglass midranges, and one 1-in aluminum-dome tweeter. Features dispersion lens; rolled-tambour front corners. Biwire/biamp terminals. Power handling 500 W max; crossover points 180 and 3,900 Hz; FR 20-25,000 Hz; sens 98 dB; imp 4 ohms. 16 x 50 x 14 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, one 1 1/4-in dome tweeter, and one ribbon supertweeter. Features bipolar response above 5,000 Hz; slot-loaded subwoofer. Biwire/biamp terminals. Power handling 400 W max; crossover points 80, 2,800, and 8,000 Hz; frequency response 20-30,000 Hz; sensitivity 93.5 dB; impedance 4 ohms. Dimensions: 12 x 48 x 12 in; 130 lb \$2,996/pr

Protege 2-Way Bookshelf Speaker

Two 6 1/2-in polyglass woofers, 1-in aluminum-dome tweeter, and rear-firing aluminum-dome tweeter. Features phase plugs; dispersion lens. Biwire/biamp terminals. EQ control. Stand optional. Power handling 300 W cont avg; crossover point 3,500 Hz; FR 36-25,000 Hz; sens 96 dB; imp 4 ohms. 12 x 21 x 12 in; 60 lb \$2,296/pr

Legacy-1 4-Way Speaker

Two 10-in polypropylene woofers, 6 1/2-in curvilinear poly midrange, 1 1/4-in metalized-dome tweeter, ribbon supertweeter, and rear-firing tweeter. Biwire/biamp terminals. Power handling 300 W cont avg; crossover points 120, 2,800, and 8,000 Hz; FR 22-30,000 Hz; sens 92 dB; imp 4 ohms. 12 x 44 x 12 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 aluminum-dome tweeter, and rear-firing tweeter. Features ferrofluid cooling. Gold-plated Tiffany binding posts. Power handling 200 W cont avg; crossover points 180 and 2,800 Hz; FR 28-22,000 Hz; sens 90.5 dB; imp 6 ohms \$1,448/pr

Legacy Powered Subwoofer

Three 12-in carbon-poly drivers; 200-W amp. Adjustable crossover point; level control. FR 16-100 Hz; sens 98 dB. 16 x 16 x 28 in; 130 lb \$1,296

Super Satellite 2-Way Bookshelf Speaker

Two 6 1/2-in polypropylene woofers, 1-in aluminum-dome tweeter. Ferrofluid cooling. Gold-plated Tiffany binding posts. Power handling 200 W cont avg; crossover point 2,800 Hz; FR 38-22,000 Hz; sens 94.5 dB; imp 4 ohms. 11 x 19 x 10 in \$848/pr

SE Satellite 2-Way Bookshelf Speaker

7-in Kevlar cast-frame woofer, 1-in aluminum-dome tweeter. Features ferrofluid cooling; phase-compensated crossover. Gold-plated Tiffany binding posts. Power handling 200 W cont avg; crossover point 2,800 Hz; FR 40-22,000 Hz; sens 91.5 dB; imp 8 ohms. 11 x 13 x 10 in; 32 lb \$796/pr

Dual 12 Subwoofer

Two carbon-poly 12-in drivers. Features 6th-order Butterworth alignment. Mono/stereo operation; variable crossover frequency and slope. Power handling 500 W cont avg; FR 16-100 Hz; sens 91.5 dB; imp 8 ohms. 27 x 16 x 16 in; 100 lb \$796

Legacy Satellite 2-Way Bookshelf Speaker

6 1/2-in magnesium-frame polypropylene woofer, 1-in aluminum-dome tweeter. Features ferrofluid cooling. Gold-plated Tiffany binding posts. Power handling 150 W cont avg; crossover point 2,800 Hz; FR 42-22,000 Hz; sens 90 dB; imp 8 ohms. 11 x 13 x 10 in; 28 lb \$596/pr

Legacy Mini Monitor 2-Way Bookshelf Speaker

5 1/4-in cast-frame woofer, 1-in aluminum-dome tweeter. Features ferrofluid cooling. Gold-plated Tiffany binding posts. Power handling 125 W cont avg; crossover point 2,200 Hz; frequency response 59-22,000 Hz; sensitivity 90 dB; impedance 6 ohms. Dimensions: 7 x 9 x 7 in; 16 lb \$458/pr

ROCK SOLID SOUNDS

The following feature a 5-yr warranty.

TwIn Bass Powered Subwoofer

Dual-port design with two 6 1/4-in drivers; 40 W x 1 cont avg amp. Designed for use with Solid Monitor or Team. Power handling 150 W max; crossover point 120 Hz; FR 38-120 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 4 ohms. Black or white. 7 x 18 x 23 3/4 in; 22 lb \$350

Above with single port \$250

Solid Monitor 2-Way Bookshelf Speaker

Vented-bass enclosure with 5 1/4-in fiber-cone woofer and 1-in polycarbonate tweeter. Features 4th-order alignment; magnetic shielding; overload protection. Includes integral stand. Power handling 150 W max; FR 75-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m. Black, white, 2-tone gray, or black/purple finish. 6 1/2 x 9 3/4 x 6 in \$299/pr

Team 2-Way Bookshelf Speaker

Vented-bass enclosure with 4 1/2-in woofer and 1-in fluid-cooled tweeter. Features 4th-order alignment; magnetic shielding; overload protection; rubber woofer surround. Includes wall brackets. Power handling 75 W max; FR 80-20,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. Black or white. 5 1/2 x 8 x 5 1/4 in \$199/pr

ROCKUSTICS

The following look like rocks. All are weatherproof and available in custom colors.

Hillside 2-Way Speaker

Two 8-in polypropylene woofers, one 1-in ferrofluid-cooled soft-dome tweeter. Power handling 350 watts continuous; frequency response 41-19,000 Hz \pm 2 dB; sens 92 decibels sound-pressure level/W/m; imp 8 ohms. 26 x 18 x 26 in; 85 lb \$1,800/pr

S P E A K E R S

Sub Rock Subwoofer

15-in polypropylene driver. Power handling 150 W; FR 37-125 Hz ± 3 dB; imp 8 ohms. 33 x 12 x 37 in; 250 lb \$1,200

Rocky Jr. 2-Way Speaker

6½-in polypropylene woofer, 1-in ferrofluid-cooled soft-dome tweeter. Power handling 100 W cont; FR 69-19,000 Hz ± 2 dB; sens 89 dB SPL/W/m; imp 8 ohms. 20 x 16 x 10½ in; 39 lb \$940/pr

Octorock 2-Way Speaker

8-in polypropylene cone woofer and 1-in ferrofluid-cooled tweeter mounted coaxially. Power handling 100 W; FR 55-20,000 Hz ± 4 dB; sens 92 dB SPL/W/m; imp 8 ohms. 16 x 12½ x 12¼ in; 36 lb \$800/pr

Rocky Too 2-Way Speaker

6½-in polypropylene cone woofer and 1-in ferrofluid-cooled tweeter mounted coaxially. Power handling 100 watts; frequency response 69-19,000 Hz ± 2 dB; sensitivity 89 decibels; impedance 8 ohms. Dimensions: 21¼ x 11½ x 12 in; weight: 38 lb \$740/pr

Soundstone 2-Way Speaker

6½-in polypropylene cone woofer and 1-in ferrofluid-cooled tweeter mounted coaxially. Power handling 100 W; FR 69-19,000 Hz ± 3 dB; sens 89 dB; imp 8 ohms. 14½ x 11¼ x 11½ in; 31 lb \$740/pr

Surround Stone Speaker

Omnidirectional design. Power handling 75 W; FR 53-20,000 Hz ± 5 dB; sens 90 dB SPL/W/m; imp 4 ohms. 15 x 12½ x 13 in; 39 lb \$700

Econorock 2-Way Speaker

8-in polypropylene cone woofer and 1-in liquid-cooled tweeter mounted coaxially. Power handling 100 W; FR 65-20,000 Hz ± 8 dB; sens 92 dB SPL/W/m. 14½ x 16 x 9 in; 9.5 lb \$540
Above with power handling 70 W, FR 60-20,000 Hz ± 8 dB, imp 4 ohms \$400/pr

Punksub Subwoofer

8-in polypropylene driver. Power handling 100 W; FR 50-130 Hz ± 3 dB; sens 94 dB SPL/W/m; imp 4 ohms. 17 x 13 x 22 in; 50 lb \$400

Punk Rock 2-Way Speaker

5¼-in polypropylene woofer and 1-in liquid-cooled tweeter mounted coaxially. Power handling 75 W; FR 76-19,500 Hz ± 5 dB; sens 91 dB SPL/W/m; imp 4 ohms. 10½ x 8¼ x 9½ in; 15 lb \$340/pr
Above with 5¼-in whizzer cone. Power handling 50 W; FR 76-18,000 Hz ± 7 dB \$300

ROGERS

Studio 2a 2-Way Speaker

Bass-reflex design with 12¼-in polypropylene woofer and 1½-in ferrofluid-cooled fabric-dome tweeter. Features 1½-in Kapton coil; critically-damped birch cabinet with MDF baffle. Gold-plated biwire/biamp terminals. Power handling 300 W; crossover point 2,000 Hz; FR 40-20,000 Hz ± 2 dB; sens 91 dB; imp 8 ohms. Walnut, black-ash, or rosewood-veneer finish. 18 x 30 x 15½ in; 66 lb \$4,000

P-24A 3-Way Speaker

Symmetrical design with 8-in long-throw polypropylene woofer, 6½-in midrange, and 1-in aluminum-dome tweeter. MDF cabinet; woofer and midrange with Kapton voice-coil formers and die-cast chassis. Gold-plated biwire/biamp terminals. Includes foot spikes. Power handling 250 W; crossover points 100 and 2,300 Hz; FR 45-20,000 Hz ± 2 dB; sens 86 dB SPL/W/m; imp 4 ohms. Black-ash or walnut veneer finish. 9¾ x 41 x 13¾ in \$3,800/pr

LS59 2-Way Bookshelf Speaker

Bass-reflex design with 8-in polypropylene woofer, tweeter. Features quasi-3rd-order high-pass acoustic transfer at 50 Hz; damped birch cabinet. Gold-plated blinding posts. Power handling 100 W; FR 50-16,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 8 ohms.

Walnut, teak, or black-ash veneer finish. 11 x 18 x 10¾ 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. Features MDF cabinet; woofer with Kapton voice-coil former and die-cast chassis. Gold-plated biwire/biamp terminals. Includes foot spikes. Power handling 150 W; crossover point 2,300 Hz; FR 50-20,000 Hz ± 2 dB; sens 87.5 dB SPL/W/m; imp 8 ohms. Black-ash or walnut veneer finish. 10 x 33 x 12 in; 46 lb \$2,400/pr
P-20. As above, bookshelf version. FR 75-20,000 Hz ± 2 dB. 10 x 16 x 12 in; 20 lb \$1,700/pr

Studio 7 2-Way Speaker

Bass-reflex design with 8¼-in polypropylene woofer and 1-in ferrofluid-cooled fabric-dome tweeter. Kapton voice-coil former; critically-damped Medite construction with MDF baffle. Features biwire/biamp terminals. Power handling 150 W; crossover point 3,000 Hz; FR 45-20,000 Hz ± 2 dB; sens 89 dB; imp 8 ohms. Walnut, black-ash, or rosewood veneer finish. 12 x 25 x 12 in \$1,999

Studio 1a 2-Way Speaker

Bass-reflex design with polypropylene woofer and aluminum-dome tweeter. Features biwireable crossover. Power handling 220 watts; frequency response 45-20,000 Hz ± 3 dB; sensitivity 89 decibels SPL/W/m; impedance 8 ohms. Walnut, teak, or black finish. Dimensions: 12 x 25 x 12 in; weight: 40 lb \$1,600/pr

LS8a 3-Way Bookshelf Speaker

Modified acoustic-suspension design with two 8¼-in polypropylene woofers and ¾-in aluminum-dome tweeter. Features Butterworth 3rd-order alignment; damped particleboard cabinet with MDF baffle; Kapton voice-coil former. Biwire/biamp terminals. Includes foot spikes. Power handling 100 W; FR 50-20,000 Hz ± 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. Simulated walnut or black veneer finish. 11 x 18 x 10¾ in; 28.6 lb \$1,200/pr

Studio 3 2-Way Bookshelf Speaker

Infinite-baffle design with 4½-in polypropylene woofer and ¾-in ferrofluid-cooled fabric-dome tweeter. Features critically-damped birch cabinet with MDF baffle; Kapton voice-coil former. Gold-plated biwire/biamp terminals. Power handling 45 W; crossover point 3,000 Hz; FR 80-21,000 Hz ± 2 dB; sens 85 dB; imp 8 ohms. Walnut, black ash, or rosewood veneer finish. 7½ x 12 x 6½ in; 11 lb \$999

LS6a/2 2-Way Speaker

Features biwireable crossover. Power handling 150 W; FR 50-20,000 Hz ± 2 dB; sens 89 dB SPL/W/m; imp 8 ohms. Walnut or black \$900/pr

LS4a/2 2-Way Bookshelf Speaker

Acoustic-suspension design with 8¼-in woofer and ¾-in aluminum-dome tweeter. Features Butterworth 2nd-order alignment; damped particleboard cabinet with MDF baffle. Biwire/biamp terminals. Power handling 100 W; crossover point 3,000 Hz; FR 55-20,000 Hz ± 2 dB; sens 88 dB SPL/W/m; imp 8 ohms. Simulated black-walnut veneer finish. 10 x 17 x 9¾ in; 17.2 lb \$750/pr

LS2a/2 2-Way Bookshelf Speaker

Bass-reflex design with 8-in polypropylene woofer and ¾-in aluminum-dome tweeter. Features Butterworth quasi-3rd-order alignment; damped particleboard cabinet with MDF baffle; Kapton voice-coil former. Power handling 100 W; crossover point 3,500 Hz; FR 80-20,000 Hz ± 2 dB; sens 86.5 dB SPL/W/m; imp 8 ohms. Simulated walnut or black veneer finish. 9 x 14 x 18¼ in; 13.2 lb \$550/pr

ROSSMAN AUDIO

SA1.0 2-Way Powered Speaker

Bass-reflex blamplified design with 8-in polycone woofer, 1-in dome tweeter, 10-W tweeter amp, and 40-W woofer amp. Features 18-dB/oct crossover.

Bass, treble, and volume controls; tone-defeat switch. Crossover point 2,300 Hz; FR 40-20,000 Hz ± 3 dB \$650/pr
SA.5a. As SA 1.0, 5-in woofer. FR 55-22,000 Hz ± 3 dB \$550/pr

RUARK

The following feature biwire/biamp terminals and a 5-yr warranty.

Accolade 3-Way Speaker

11-in woofer, 3-in midrange, 1-in tweeter. Power handling 200 W max; sens 90 dB; imp 8 ohms. Walnut or black-ash finish. 11 x 39 x 15 in; 176 lb \$6,000/pr

Crusader 3-Way Speaker

6½-in woofer, 3-in midrange, 1-in tweeter. Power handling 200 W max; FR 50-20,000 Hz; sens 85 dB; imp 8 ohms. Walnut or black-ash finish. 9 x 35 x 12½ in; 124 lb \$3,300/pr

Broadsword 2-Way Bookshelf Speaker

7-in woofer, 1-in tweeter. Power handling 120 W max; sens 85 dB; imp 8 ohms. Walnut or black-ash finish. 9 x 17 x 11½ in; 48 lb \$2,100/pr

Rhapsody 2-Way Speaker

7-in woofer, 1-in tweeter. Power handling 100 W max; FR 50-20,000 Hz; sens 88 dB; imp 8 ohms. Walnut or mahogany finish. 13 x 30 x 12 in; 80 lb \$2,000/pr

Tallman II 2-Way Speaker

6½-in woofer, 1-in tweeter. Power handling 100 W max; FR 48-20,000 Hz; sens 88 dB; imp 8 ohms. Dark walnut, black-ash oak, or rosewood finish. 9 x 33 x 12½ in; 66 lb \$1,750/pr

Templar 2-Way Speaker

6½-in woofer, 1-in tweeter. Power handling 100 W max; FR 55-20,000 Hz; sens 87 dB; imp 8 ohms. Burl walnut, rosewood, or ebony finish. 7½ x 27½ x 10 in; 44 lb \$1,200/pr

Sabre II 2-Way Bookshelf Speaker

6½-in woofer, 1-in tweeter. Power handling 100 W max; FR 60-20,000 Hz; sens 87 dB; imp 8 ohms. Walnut or black-ash finish. 9 x 14½ x 10½ in; 36 lb \$950/pr

Swordsman Plus II 2-Way Bookshelf Speaker

6½-in woofer, 1-in tweeter. Power handling 100 W; FR 60-20,000 Hz; sens 87 dB; imp 8 ohms. Walnut or black-ash finish. 8 x 13 x 10 in \$750/pr

RUSSOUND/FMP

SP 610 2-Way In-Wall Speaker

6½-in polypropylene woofer, 1-in ferrofluid-cooled soft-dome tweeter. Features auto-reset tweeter protection. Power handling 100 W rms; crossover point 2,500 Hz; FR 40-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 8 x 11¼ x 3¾ in \$380/pr

SP 692 Subwoofer

6 x 9-in dual-voice-coil driver. Features satellite crossover. Power handling 75 W rms; crossover point 90 Hz; FR 28-90 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 8 x 11¼ x 3¾ in \$310

SP 691 Subwoofer

6 x 9-in polypropylene driver. Features satellite crossover. Power handling 100 W rms; FR 28-90 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 8 x 11¼ x 3¾ in \$240

SP 502 2-Way In-Wall Speaker

5¼-in polypropylene woofer, 2¼-in ferrofluid-cooled polycarbonate-dome tweeter. Features thermal protection; auto-reset tweeter protection. 5-way blinding posts. Power handling 50 W rms; crossover point 3,000 Hz; FR 70-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Matte-white finish \$220/pr

S P E A K E R S

SP 602 2-Way In-Wall Speaker

5 1/4-in polypropylene woofer, 3/4-in ferrofluid-cooled polycarbonate tweeter. Features auto-reset protection. Power handling 60 W rms; FR 55-20,000 Hz; sens 90 dB SPL/W/m. 8 x 11 3/4 x 3 1/8 in. \$138

SP 501 Speaker

5 1/4-in dual-voice-coil dual cone. Power handling 30 W stereo, 60 W mono; FR 70-18,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms/coil. \$100

SASAKI

The following, except for Bass-1, feature a spherical hand-made glass enclosure coupled with vibration-absorbent metals.

CB250-DX 2-Way Speaker

5 1/2-in dome woofer, 1-in soft-dome tweeter. Features 6-dB/oct crossover. Mounting bracket, stand, or ceiling-mount net optional. Power handling 100 W max; crossover point 2,800 Hz; FR 80-20,000 Hz; sens 87 dB SPL/W/m; imp 4 ohms. Clear. 9 1/2-in diameter; 13.2 lb. \$1,100/pr

CB300M 2-Way Speaker

5 1/4-in polypropylene woofer, 1/2-in polycarbonate-dome tweeter. Mounting bracket or stand optional. Power handling 60 W max; crossover point 6,000 Hz; FR 75-20,000 Hz; sens 91 dB SPL/W/m; imp 4 ohms. Clear. 11-in diameter; 15.5 lb. \$900

CW160-AV Speaker

3 1/2-in cone driver. Power handling 60 W max; FR 130-20,000 Hz; sens 92 dB; imp 4 ohms. Mounting bracket optional. Clear glass with wave design. 6 3/8-in diameter; 4.4 lb. \$480/pr

CB160-AVS. As above, smoke tint, no wave \$480/pr
CB160-MX. As CB160-AV, no wave. \$450/pr

Bass-1 Subwoofer

Two 6 1/2-in drivers. Connections for Sasaki speakers. Power handling 80 W rms; crossover point 200 Hz; FR 50-20,000 Hz; sens 88 dB SPL/W/m; imp 4 ohms. 11 3/4 x 9 x 19 in; 27.6 lb. \$250

SENNET

SH600 Home Theater System

SH88 subwoofer, four SH40 satellites, SH44 center-channel speaker. \$375

SH5 2-Way Outdoor Speaker

Acoustic-suspension design with 5 1/4-in carbon-filled polypropylene woofer and 1/2-in ferrofluid-cooled dome tweeter. Weatherproof components. Power handling 40 W; FR 60-20,000 Hz. \$125/pr

SH88 Subwoofer

8-in dual-voice-coil driver. Power handling 100 W; crossover point 100 Hz; FR 20-250 Hz; sens 92 dB; imp 4/8 ohms. Black or white. \$125

SH44 2-Way Center-Channel Speaker

Two 4-in carbon-filled polypropylene woofers, 5/8-in dome tweeter. Features magnetic shielding. Power handling 100 W; FR 80-21,000 Hz. \$90

SH40 2-Way Satellite Speaker

Acoustic-suspension design with 4-in carbon-filled polypropylene woofer and 1/2-in ferrofluid-cooled dome tweeter. Fiberglass-filled ABS cabinet. Power handling 40 W; FR 80-20,000 Hz; sens 90 dB; imp 4/8 ohms. Black or white. 4 3/4 x 8 1/2 x 3 1/2 in. \$80/pr

SEQUERRA ASSOCIATES

Signature Subwoofer/Satellite System

Subwoofer with two 10-in composite-cone drivers; 2 satellites, each with 6 1/2-in woofer and 2-in midrange tweeter, four 2 1/2-in cone tweeters, and T1 MkIII ribbon tweeter. Features 6-dB/oct crossover with air-core inductors, polypropylene capacitors, and OFC wiring. 5-way binding posts. Power handling 700 W subwoofer, 500 W satellites. \$25,000

T1 MkIII Ribbon Tweeter

Planar aluminum ribbon. Power handling 200 W; crossover point 2,600 Hz; FR 2,500-80,000 Hz +3 dB; sens 96 dB SPL/W/m; imp 6 ohms. \$3,000/pr

MET-8 MkII Subwoofer

10-in polypropylene driver. Designed for use with MET-7 MkII. Features die-cast magnesium driver frame; double driver magnet; air-core inductors. Gold-plated 5-way binding posts. Power handling 500 W cont avg; sens 90 dB SPL/W/m; imp 8 ohms. Satin black-lacquer finish. \$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 OFC wiring. Gold-plated 5-way binding posts. FR 4,500-50,000 Hz ± 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 1/2-in polypropylene woofer and 2-in tweeter. Features 6-dB/oct crossover with air-core inductors, polypropylene capacitors, and OFC wiring. Gold-plated 5-way binding posts. Tweeter level control. Power handling 250 W cont avg; FR 54-20,000 Hz +2 dB; sens 90 dB SPL/W/m; imp 8 ohms. Satin black-lacquer finish. \$990/pr
 Oak or walnut finish. \$750/pr

MET 10-8 MkII Tweeter

Eight 2 1/2-in drivers. Features OFC wiring. Gold-plated 5-way binding posts. Volume control. Power handling 500 W; crossover point 1,700 Hz; FR 2,000-20,000 Hz. Satin black finish. \$950
 Walnut or oak veneer. \$850
MET 10-4. As above, four drivers. Sens 93 dB SPL/W/m. Satin-black finish. 5 1/4 x 12 3/8 x 6 in; 8 lb. \$700
 Walnut or oak veneer. \$600

SHAHINIAN

Diapason 4-Way Speaker

Asymmetric prism design with four 5 1/4-in poly-cone woofers, two 1 3/8-in cambric-dome midranges, two 3/4-in cambric-dome tweeters, and six 3/8-in W-shaped titanium-dome supertweeters. Features dual midrange magnets; rubber surround; 1-in aluminum voice coils; 20-oz ceramic magnets; rakes made of 13-ply Finland birch; 6- and 18-dB/oct filters; Klüber 4tc internal wiring; wool damping. Power handling 250 W cont avg; FR 125-22,000 Hz. \$2,400
Hawk. As above, four 4 1/2-in midranges, four 3/4-in tweeters, and four 3/8-in supertweeters. Features 1-in aluminum voice coils; 10-oz ceramic magnets. Power handling 200 W; FR 250-22,000 Hz. \$1,500

Obelisk 3-Way Speaker

Folded double-prism hybrid transmission-line design with 8-in asymmetrically positioned polypropylene woofer, two 1 3/8-in cambric-dome midranges, four 3/8-in W-shaped dome tweeters, and 10-in mass-loaded-membrane polypropylene passive radiator. Features wool and virgin polyfill damping; fuse protection. Dual binding posts. Power handling 500 W; FR 28-22,000 Hz ± 3 dB; imp 6 ohms. \$2,150/pr

Double Eagle Subwoofer

Two acoustically separated 8-in polypropylene drivers and two 10-in polypropylene passive radiators. Features 1 1/2-in voice coils; 34-oz ceramic magnet; magnesium basket; virgin polyfill damping. 5-way binding posts. FR 26-1,000 Hz -3 dB; crossover point 140 Hz; imp 6 ohms. \$1,400

Arc 3-Way Speaker

Vertical transmission-line design with 8-in polypropylene woofer, 1 3/8-in cambric-dome midrange, 1-in titanium polydome tweeter, and 10-in viscous-damped passive radiator. Time-aligned phase-correct driver placement; rubber surround; 1 1/2-in voice coils; 28-oz ceramic magnet; magnesium base; wool and virgin polyfill damping. Dual binding posts. Power

handling 350 W cont avg; FR 28-18,000 Hz ± 3 dB; imp 4 ohms. Natural, medium, or dark oak finish. 14 x 27 1/2 x 9 3/4 in. \$1,350/pr

Hawk Subwoofer

Folded transmission-line enclosure with 8-in polypropylene driver and 10-in passive radiator. Features wool and virgin polyfill damping; butyl-rubber surround; 1 1/2-in aluminum voice coil; cast-magnesium housing; multiple crossover points for low- and high-pass filters. Satellite-speaker inputs; 5-way solid-brass binding posts. Power handling 150 W cont avg; FR 25-500 Hz ± 3 dB; imp 6 ohms. 14 1/2 x 30 x 11 1/4 in; 60 lb. \$900

Super Elf 2-Way Bookshelf Speaker

Vented design with 5 1/4-in polypropylene woofer and 1-in titanium-dome tweeter. Features 1-in voice woofer coil; wool and polyfill damping; ferrofluid cooling; neodymium magnet. Dual 8-way gold-plated solid-brass binding posts. Power handling 150 W cont avg; FR 48-19,500 Hz -3 dB; imp 6 ohms. Natural, medium, or dark oak finish. 6 3/8 x 12 1/2 x 7 1/4 in; 17 lb. \$750/pr

SIGNET

SL280ex 2-Way Speaker

Vented enclosure with 8-in polypropylene woofer and 1-in aluminum-dome tweeter. Features rubber surround; ferrofluid cooling; crossover with air-core inductors, polypropylene capacitors, and OFC wiring; injection-molded magnesium frame. Blwire/biamp terminals. Power handling 200 W; crossover point 2,500 Hz; FR 30-25,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. Walnut veneer finish. 9 3/4 x 3 3/4 x 12 3/4 in; 45 lb. \$1,300/pr
SL280exB. As above, black vinyl finish. \$900/pr
SL280B/U. As SL280ex, FR 35-25,000 Hz. 9 3/4 x 25 x 12 3/4 in. \$700/pr

SL260B/U 2-Way Bookshelf Speaker

Vented enclosure with 6-in polypropylene woofer and 3/4-in aluminum-dome tweeter. Features rubber surround; ferrofluid cooling; crossover with air-core inductors, polypropylene capacitors, and OFC wiring; injection-molded magnesium frame. Blwire/biamp terminals. Power handling 150 W; crossover point 3,000 Hz; FR 45-25,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Black vinyl finish. 8 1/8 x 15 1/2 x 12 7/8 in; 21 lb. \$450/pr

SL250B/U 2-Way Bookshelf Speaker

Vented enclosure with 5 1/2-in paper woofer and 3/4-in metallized polycarbonate-dome tweeter. Features rubber surround; 1-in voice coil; ferrofluid cooling; crossover with air-core inductors, polypropylene capacitors, and OFC wiring. Power handling 100 W; crossover point 3,300 Hz; FR 50-22,000 Hz; sens 88 dB SPL/W/m. Black vinyl finish. 7 x 12 1/2 x 10 in; 12 lb. \$300/pr

SL2400B/U 2-Way Bookshelf Speaker

Vented enclosure with 5 1/4-in woofer and 3/4-in metallized polycarbonate-dome tweeter. Features ferrofluid cooling; 1-in voice coil; magnetic shielding. Power handling 75 W; crossover point 4,000 Hz; FR 65-20,000 Hz; sens 88 dB SPL/W/m. Black vinyl finish. 7 x 10 1/4 x 6 in; 6 lb. \$200/pr

SNELL ACOUSTICS

Type A-Five 3-Way Speaker System

Two subwoofers, each with 18-in driver; two towers, each with four 6 1/2-in midbasses, two midranges, one 1-in metal-dome tweeter, and one 3/4-in rear-firing supertweeter. Features external crossover. Crossover points 80, 275, and 2,800 Hz; FR 18-20,000 Hz ± 1.25 dB; sens 88 dB SPL/W/m; imp 5 ohms. Subwoofer: 10 1/2 x 63 x 14 in. Towers: 21 1/2 x 45 x 17 in. \$14,999

Type B 4-Way Speaker

10-in rear-firing subwoofer, 10-in woofer, two 5 1/4-in polypropylene midranges, 1-in aluminum-dome

S P E A K E R S

tweeter, and 3/4-in rear-firing tweeter. Crossover points 40, 275, 2,700, and 5,000 Hz; FR 20-20,000 Hz; sens 86 dB SPL/W/m; imp 4 ohms. 25 x 48 x 19 in; 152 lb \$4,799/pr

Type B Minor 3-Way Speaker

12-in side-firing woofer, two 5/4-in cast-frame polypropylene-cone midranges, 1-in tweeter, and 3/4-in rear-firing tweeter. FR 20-20,000 Hz \pm 2 dB; sens 88 dB SPL/W/m; imp 4 ohms \$3,599/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-firing tweeter. Features 24-dB/oct crossover. Biwire/biamp terminals. Power handling 250 W cont; crossover points 275 and 2,700 Hz; FR 34-22,000 Hz \pm 3 dB; sens 88.5 dB SPL/W/m; imp 8 ohms. Hand-rubbed matching oak, dark-oak, walnut, or black veneer finish. 14 1/2 x 46 x 11 3/4 in; 95 lb \$2,299/pr

Type D 3-Way Speaker

8-in woofer, 5-in midrange, 1-in metal-dome tweeter, and 3/4-in rear-firing supertweeter. Crossover points 350 and 2,800 Hz; FR 36-20,000 Hz \pm 1.75 dB; sens 87 dB SPL/W/m; imp 5 ohms. 10 1/2 x 43 x 12 1/2; 65 lb \$1,699/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 rear-firing ferrofluid-cooled dome supertweeter. Gold-plated biwire/biamp terminals. Adjustable crossover points. Power handling 150 W cont; crossover point 2,700 Hz; FR 39-20,000 Hz \pm 1.75 dB; sens 91 dB SPL/W/m; imp 6 ohms. Oak, dark-oak, walnut, or black veneer finish. 13 x 35 x 11 in; 50 lb \$999/pr

Type Q 2-Way Bookshelf Speaker

6 1/2-in polypropylene woofer, 1-in rear-firing textile-dome tweeter, and 3/4-in rear-firing tweeter. Features individual adjustment to match reference speaker; antidiffraction grille. Power handling 150 W cont; crossover point 2,200 Hz; FR 75-20,000 Hz \pm 3 dB; sens 86 dB SPL/W/m; imp 8 ohms. Oak, dark-oak, walnut, or black veneer finish. 10 1/2 x 15 1/2 x 6 3/4 in; 23.5 lb \$899/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; crossover point 2,700 Hz; FR 49-20,000 Hz \pm 2 dB; sens 91 dB SPL/W/m; imp 6 ohms. Oak, dark-oak, walnut, or black veneer finish. 13 x 23 x 10 in \$699/pr

Type K/II 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in polypropylene woofer and 3/4-in ferrofluid-cooled soft-dome tweeter. Biwire/biamp terminals. Adjustable crossover points. Power handling 100 W cont; crossover point 2,700 Hz; FR 70-20,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. Oak, dark oak, walnut, or black veneer finish. 11 x 18 x 9 in; 26 lb \$479/pr
K/II-v. As above, with magnetic shielding \$249

SNELL MULTIMEDIA

THX Senior Speaker System

Two SUB-1800 subwoofers, three LCR-1800 2-way speakers, and two SUR-500 surround speakers \$10,593

SUB-1800 Subwoofer

18-in driver in 4th-order vented enclosure. Features THX certification; cast driver frame. FR 17-80 Hz; sens 90 dB SPL/W/m; imp 8 ohms. High-gloss black veneer finish. 21 1/2 x 45 x 16 1/2 in \$2,499

LCR-1800 2-Way Speaker

Two 8-in woofers, two 1-in tweeters. Designed for front channel in home theater system. Features THX certification; magnetic shielding. Stand optional. FR

80-20,000 Hz; sens 93 dB SPL/W/m; imp 4 ohms. High-gloss black veneer finish. 13 x 25 x 11 3/4 in; 46 lb \$1,499

HCC-1800. As LCR-1800, optimized for horizontal placement \$1,499

SUR-800 3-Way In-Wall Surround Speaker

Dipole design with 5-in woofer, two 4 1/2-in midranges, and two 1-in aluminum-dome tweeters. Designed for home theater systems. Features THX certification. FR 125-20,000 Hz; sens 85 dB SPL/W/m; imp 4 ohms. Black brushed-aluminum finish. 25 3/8 x 12 x 3 1/2 in; 22 lb \$1,399

LCR-800 2-Way In-Wall Speaker

Two 6 1/2-in polypropylene woofers, two 3/4-in aluminum-dome tweeters. Features cast woofer frames; magnetic shielding; THX certification. FR 80-20,000 Hz; imp 4.2 ohms; sens 89 dB SPL/W/m. 12 x 21 3/8 x 3 3/8 in; 26 lb \$1,099

HCC-800. As above, optimized for horizontal placement \$1,099

LCR-500 2-Way Speaker

Two 6 1/2-in polypropylene woofers, two 3/4-in aluminum-dome tweeters. Designed for front channel in home theater system. Features magnetic shielding; THX certification. Stand optional. 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 \$899

HCC-500. As above, optimized for horizontal placement \$899

SUR-500 2-Way Center-Channel Speaker

Dipole design with two 6 1/2-in polypropylene woofers and two 1-in aluminum-dome tweeters. Features THX certification. 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; 35 lb \$899

SUB-800 In-Wall Subwoofer

Acoustic-suspension design with 12-in cast-frame driver. Features THX certification. FR 20-80 Hz; sens 90 dB SPL/W/m. 14 1/4 x 53 x 6 3/8 in; 70 lb \$799

SUB-750 Subwoofer

Acoustic-suspension design with 12-in driver. Features cast driver frame. 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 \$549

SUB-550. As above, THX certified \$549

Type K/IIv 2-Way Bookshelf Speaker

8-in driver. Features magnetic shielding \$249

SOLO

Solo H500 3-Way Bookshelf Speaker

Bass-reflex design with two 8-in polypropylene woofers, one 2-in horn-loaded titanium diaphragm compression midrange, and one 1-in titanium tweeter. Features crossover. Gold-plated 5-way biwire/biamp binding posts. Stand optional. Power handling 100 W max; crossover points 1,000 and 18,000 Hz; FR 45-27,000 Hz \pm 3 dB; sens 96 SPL/W/m; imp 6 ohms. Black cherry veneer finish. Limited 3-yr warranty. 18 1/2 x 24 x 17 in; 70 lb \$2,480/pr

SOLUS

IR8 2-Way In-Wall Speaker

8-in woofer, 7-in ribbon tweeter. Crossover point 2,000 Hz; FR 50-50,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. White. 12 x 3 1/2 in; 15 lb \$475

IR6 2-Way In-Wall Speaker

6 1/2-in woofer, 5-in ribbon tweeter. Crossover point 2,000 Hz; FR 58-50,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. White. 10 x 3 1/2 in; 14 lb \$425

ID8 2-Way In-Wall Speaker

8-in woofer, 1-in dome tweeter. Crossover point 2,000 Hz; FR 50-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. White. 12 x 15 x 3 1/2 in; 12 lb \$375

ID6 2-Way In-Wall Speaker

6 1/2-in woofer, 1-in dome tweeter. Crossover point 2,000 Hz; FR 58-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. 10 x 12 x 3 1/2 in; 11 lb \$290

SONANCE

New construction and retrofit mounting brackets are available for most in-wall speakers.

Sonance 45 2-Way In-Wall Speaker

8-in polypropylene woofer, 1-in soft-dome tweeter. Features die-cast woofer frame; 24-dB/oct Butterworth crossover. 3-position high-frequency switch. Includes mounting bracket. Power handling 100 W; FR 35-22,000 Hz \pm 2 dB; sens 90 dB SPL/W/m; imp 8 ohms. Footprint 12 x 16 in \$695/pr

Sonance 40 2-Way In-Wall Speaker

8-in polypropylene woofer, 1-in soft-dome tweeter. Includes mounting bracket. Power handling 75 W; FR 40-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. Footprint 12 x 16 in \$525/pr

AIS 500 2-Way In-Wall Speaker

Angled baffle with 3 1/2-in polypropylene full-range driver on upper angle and 4-in polypropylene woofer and 1-in polycarbonate tweeter on lower angle. Includes mounting bracket. Power handling 75 W; FR 60-20,000 Hz \pm 5 dB; sens 89 dB SPL/W/m; imp 6 ohms. Footprint 12 x 16 in \$499/pr

S3500 2-Way In-Wall Speaker

6 1/2-in polypropylene dual-voice-coil woofer, pivoting 1-in ferrofluid-cooled soft-dome tweeter. Features neodymium tweeter magnet; rubber woofer surround. 3-position tweeter and woofer-imp controls. Power handling 75 W max; FR 45-20,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 4/6/8 ohms. Paintable matte-white finish. 8 1/8 x 12 1/4 x 3 1/8 in \$499/pr

SoundFrame 400 2-Way In-Wall Speaker

Ported design with one 4-in polypropylene woofer on each side of one 1-in soft-dome tweeter. Power handling 90 W rms; FR 60-20,000 Hz \pm 2.5 dB; sens 89 dB SPL/W/m; imp 8 ohms. 14 1/4 x 17 3/4 x 3 1/2 in \$499/pr

MB30 2-Way Outdoor Speaker

6 1/2-in polypropylene woofer, 1-in soft-dome tweeter. Features water-resistant ABS sealed cabinet; stainless-steel hardware. Includes nail hanger. Power handling 110 W; FR 60-20,000 Hz \pm 3 dB; sens 91 dB SPL/W/m; imp 8 ohms. White or black. 8 3/8 x 13 x 8 1/2 in \$499/pr

PSW2 In-Wall Subwoofer

8-in dual-voice-coil driver. L/R inputs and outputs. Crossover; 3-position level control. Power handling 75 W; crossover point 125 Hz; FR 30-125 \pm 3 dB; sens 87 dB SPL/W/m; imp 6 ohms. White. 12 x 16 x 3 1/2 in \$460

S3R 2-Way In-Wall Speaker

Coaxial design with 6 1/2-in dual-voice-coil woofer and pivoting 1-in soft-dome tweeter. Includes mounting bracket. Power handling 75 W; FR 45-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 6 ohms. Footprint 9 7/8 in diameter \$425/pr

MB20 2-Way Outdoor Speaker

6 1/2-in polypropylene woofer, 1-in polycarbonate-dome tweeter. Features water-resistant ABS sealed cabinet; stainless-steel hardware. Includes nail hanger. Power handling 75 W; FR 65-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. White or black. 8 3/8 x 13 x 8 1/2 in \$399/pr

S3000 2-Way In-Wall Speaker

6 1/2-in polypropylene dual-voice-coil woofer, 1-in soft-dome tweeter. Features urethane woofer surround. Woofer imp and tweeter response adjustable via separate jumpers. Power handling 75 W max; FR 45-20,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 4/6 ohms. 8 1/8 x 12 1/4 x 3 1/8 in \$399/pr

S P E A K E R S

PSW1 In-Wall Subwoofer

8-in dual-voice-coil pulp driver. Features internal crossover. L/R stereo inputs. Power handling 75 W/ch; FR 30-125 \pm 3 dB; sens 89 dB SPL/W/m; imp 6 ohms. Footprint 12 x 16 in. \$329

SB31 2-Way Outdoor Speaker

4-in polypropylene woofer, 1-in soft-dome tweeter. Features water-resistant ABS sealed cabinet; stainless-steel hardware. Includes nail hanger. Power handling 50 W; FR 70-20,000 \pm 2 dB; sens 87 dB SPL/W/m; imp 6 ohms. White or black. 5 1/2 x 8 1/2 x 5 1/2 in. \$325/pr

M30v 2-Way In-Wall Speaker

4-in polypropylene woofer. Features magnetic shielding; reverse woofer magnet and can. Includes mounting brackets. Power handling 60 W; FR 65-20,000 Hz \pm 2 dB; sens 88 dB SPL/W/m; imp 8 ohms. Footprint 6 1/2 x 9 in. \$310/pr

S2R 2-Way In-Wall Speaker

Coaxial design with 6 1/2-in polypropylene woofer and 1-in polycarbonate tweeter. Urethane woofer surround. Includes mounting bracket. Power handling 50 W; FR 65-20,000 Hz \pm 3 dB; sens 89 dB; imp 8 ohms. Footprint 9 7/8 in diameter. \$290/pr

ASW1S In-Wall Subwoofer

8-In pulp driver. Requires outboard crossover. Power handling 200 W rms; sens 92 dB SPL/W/m; imp 8 ohms. Footprint 12 x 16 in. \$279

S2000 2-Way In-Wall Speaker

6 1/2-in polypropylene woofer, 1-in ferrofluid-damped polycarbonate-dome tweeter. Power handling 50 W rms; FR 50-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. 8 1/8 x 12 1/4 x 3 1/8 in. \$265/pr
S1000. As above, FR 50-17,000 Hz \pm 3 dB, sens 89 dB SPL/W/m. \$199/pr

M20 2-Way In-Wall Speaker

4-in polypropylene woofer, 3/4-in polycarbonate fluid-damped tweeter. Includes mounting bracket. Power handling 50 W; FR 70-20,000 Hz \pm 3 dB; sens 87 dB; imp 8 ohms. Footprint 6 1/2 x 9 1/8 in. \$230/pr

SB11 Outdoor Speaker

4-In polypropylene full-range driver. Features water-resistant ABS sealed cabinet; stainless-steel hardware. Includes nail hanger. Power handling 45 W; FR 90-15,000 Hz \pm 5 dB; sens 85 dB SPL/W/m; imp 8 ohms. White or black. 5 1/2 x 8 1/2 x 5 1/2 in. \$179/pr

M10R In-Wall Speaker

4-in full-range driver. Includes mounting bracket. Power handling 45 W max; FR 70-15,000 Hz \pm 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. Footprint 7 1/4 in diameter. \$155/pr

M10 In-Wall Speaker

4-in dual cone. Includes mounting bracket. Power handling 45 watts; frequency response 70-15,000 Hz \pm 5 dB; sensitivity 87 dB SPL/watt/meter; impedance 8 ohms. Footprint 6 1/2 x 9 in. \$140/pr

SONY

SA-VA3 Powered Home Theater System

4 pieces. Front left speaker with integral subwoofer, center-channel speaker, and system controls; front right speaker with integral subwoofer; 2 surround speakers; 121-W triamplification. Line-level center-channel output. Integral Dolby Pro Logic decoder with 5 surround modes; bass and treble controls; auto power-on/off; remote control. \$950

ES Series

The following feature mineral-filled polypropylene cones with butyl surrounds, ferrofluid cooling, 24-dB/oct crossovers, polypropylene capacitors, laminated steel-core inductors, ceramic resistors, and separate high- and low-frequency boards. Enclosures feature non-parallel internal surfaces and computer-optimized bass tuning.

SS-M7 3-Way Speaker

Sealed design. Power handling 200 W; crossover points 300 and 4,000 Hz; FR 47-20,000 Hz \pm 3 dB; sens 86 dB SPL/W/m; imp 6 ohms. \$1,250

SS-M3 2-Way Speaker

Sealed design. Power handling 120 W; crossover point 2,000 Hz; FR 70-20,000 Hz \pm 3 dB; sens 85 dB SPL/W/m; imp 6 ohms. \$750

SOTA

Time Domain Series

Model 4 3-Way Speaker

Two-piece design with 8-in Kevlar woofer in one enclosure and 7-in dual-voice-coil Kevlar midrange and inverted-dome Kevlar tweeter mounted on sloping baffle in second quasi-pyramid-shaped enclosure. Triwire/triamp terminals. Power handling 200 W max; FR 38-22,000 Hz \pm 3 dB; sens 89 dB SPL/W/m; imp 8 ohms. Woofer enclosure: 11 1/2 x 32 x 16 in; 55 lb. Midrange/tweeter enclosure: 12 x 16 1/2 x 11 1/2 in; 32 lb. \$3,500/pr

Model 2. As above, one-piece dual-chamber design. 14 x 40 x 16 in; 75 lb. \$2,200/pr

Model 1. As Model 2, 2-way design. FR 40-22,000 Hz. Light, dark, black, or satin finish. 11 1/2 x 32 x 16 in. \$1,500

Panorama. Midrange/tweeter module only. Stand optional. Rosewood or ebony finish. \$1,900/pr

SOUND ADVANCE

Sound Advance II In-Wall Speaker

Full-range planar-type drivers with 2 independent magnetic circuits. Designed for invisibility in walls or ceilings. Power handling 75 W; FR 70-20,000 Hz. 5-yr warranty. 14 x 21 x 3 in. \$995/pr

SOUND DYNAMICS

SD 500tl 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; crossover points 1,000 and 3,000 Hz; FR 27-22,000 Hz \pm 2 dB; sens 89 dB SPL/W/m; imp 6 ohms. Black-ash or oak finish. \$1,050/pr

Asub-15 Powered Subwoofer

Dual-rear-port design with 15-in driver; 180-W amp. Features overload/thermal protection circuitry. Line- and speaker-level inputs. Audio/video switch; low-pass variable control. Black-ash vinyl. 19 x 20 x 20 in. \$900

SD 400tl 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; crossover points 900 and 3,000 Hz; FR 30-22,000 Hz \pm 2 dB; sens 88 dB SPL/W/m; imp 6 ohms. Black-ash or oak finish. 13 x 33 x 11 in. \$800/pr

SD 300tl 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. Stand optional. Power handling 175 W cont avg; crossover points 900 and 3,000 Hz; FR 34-22,000 Hz \pm 2 dB; sens 87 dB SPL/W/m; imp 6 ohms. Black-ash or oak finish. 11 x 24 x 11 in. \$600/pr

ASUB-12 Powered Subwoofer

Dual-rear-port design with 12-in driver; 90-W amp. Features low-pass filter adjustable from 50-130 Hz. Line- and speaker-level inputs. EQ switch. Black-ash finish. 18 x 18 x 20 in. \$500

SD 200tl 2-Way Bookshelf Speaker

Bass-reflex design with 8-in carbon-polypropylene woofer and 3/4-in titanium-dome tweeter. Stand optional. Power handling 150 W cont avg; crossover



Sony
SA-VA3

point 1,800 Hz; FR 40-21,000 Hz \pm 2 dB; sens 87 dB SPL/W/m; imp 6 ohms. Black-ash or oak finish. 11 x 20 x 9 in. \$450/pr

SD 100tl 2-Way Bookshelf Speaker

Bass-reflex design with 6 1/2-in carbon-polypropylene woofer and 3/4-in titanium-dome tweeter. Stand optional. Power handling 125 W cont avg; crossover point 1,900 Hz; FR 45-21,000 Hz \pm 2 dB; sens 86 dB SPL/W/m; imp 6 ohms. Black-ash or oak finish. 10 x 16 x 9 in. \$300/pr

SD 50tl 2-Way Bookshelf Speaker

Bass-reflex design with 5 1/4-in carbon-polypropylene woofer and 3/4-in titanium-dome tweeter. Stand optional. Power handling 80 W cont avg; crossover point 2,000 Hz; FR 55-20,000 Hz \pm 2 dB; sens 85 dB SPL/W/m; imp 6 ohms. \$220/pr

Reference Series

R-818 2-Way Speaker

Bass-reflex design with two 8 1/2-in injection-molded woofers, 1-in trilaminate metal-dome tweeter. Features rubber surround. Biwire/biamp terminals. Adjustable spiked stand. Power handling 200 W cont avg; crossover point 2,200 Hz; FR 34-20,000 Hz \pm 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Black-ash finish. 10 x 43 x 14 in. \$700/pr

R-616. As above, two 6 1/2-in woofers. FR 39-20,000 Hz \pm 3 dB; sens 89 dB. 9 x 39 x 11 in. \$550/pr

R-515. As R-616, two 5 1/4-in woofers. Power handling 125 W cont avg; FR 45-20,000 Hz. 7 x 32 x 9 in. \$450/pr

S P E A K E R S

R-85 2-Way Bookshelf Speaker

Bass-reflex design with 8-in injection-molded woofer, 3/4-in titanium-dome tweeter. Features rubber surround. Power handling 80 W cont avg; crossover point 2,200 Hz; FR 45-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m; imp 6 ohms. Black-ash finish. 19 x 10 x 10 in \$280/pr

R-65 2-Way Bookshelf Speaker

Bass-reflex design with 6 1/2-in injection-molded woofer and 1/2-in titanium-dome tweeter. Features foam surround. Power handling 100 W cont avg; FR 48-20,500 Hz ± 3 dB; sens 87.5 dB SPL/W/m; crossover point 2,500 Hz; imp 6 ohms. Black-ash finish. 13 x 7 x 10 in \$200/pr

R-55. As above, 5/4-in woofer. Power handling 80 W cont avg; crossover point 3,500 Hz; FR 60-20,000 Hz ± 3 dB; sens 86 dB SPL/W/m. 10 x 8 x 10 in \$150/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. Stand or wall bracket optional. Power handling 125 W cont avg; crossover point 2,500 Hz; FR 140-22,000 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 6 ohms. 8 x 5 x 5 in, 5 lb \$249/pr

Cinesub Subwoofer

4th-order vented band-pass design with 6 1/2-in driver. Power handling 125 W cont avg; crossover point 140 Hz; FR 50-140 Hz ± 3 dB; sens 86 dB SPL/W/m; imp 4 ohms. Black-ash vinyl veneer finish. 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 on sloped baffle. Power handling 100 W cont avg; crossover point 2,500 Hz; sens 86 dB SPL/W/m; imp 8 ohms. Black-ash vinyl veneer finish \$149

SOUND-LAB

The following are available in oiled-walnut or oak finish.

Sound Lab Ultimate Electrostatic Speaker

72 x 30-in full-range electrostatic driver. Features steel frame. Power handling 500 W max; FR 25-22,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. 3-yr warranty. 37 x 82 x 27 in; 210 lb \$17,990

A-6 2-Way Electrostatic Speaker

72 x 40-in woofer element, 61 x 4-in tweeter element. Crossover point 750 Hz; FR 22-22,000 Hz ± 2 dB; sens 86 dB SPL/W/m; imp 8 ohms. 44 x 81 x 5 in; 210 lb \$14,985/pr

A-1 Electrostatic Speaker

Single curved full-range electrostatic element. FR 30-22,000 Hz ± 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

Single curved full-range electrostatic element. Features wave-delay panels. FR 34-22,000 Hz ± 2 dB; sens 84 dB SPL/W/m; imp 8 ohms. 28 x 72 x 8 in; 152 lb \$7,990/pr

A-3 Electrostatic Speaker

Single curved full-range electrostatic element. Sens 84 dB SPL/W/m; imp 8 ohms. 35 x 73 x 11 in; 145 lb \$7,990/pr

B-1 Electrostatic Subwoofer

Dual-membrane dual-mono design. Crossover point 350 Hz; FR 20-350 Hz ± 2 dB; sens 86 dB SPL/W/m; imp 16 ohms. 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 dual-mono design. Crossover point 350 Hz; FR 22-350 Hz ± 2 dB; sens 84 dB SPL/W/m; imp 50 ohms. 57 x 72 x 28 in; 185 lb \$5,880

A-4 2-Way Electrostatic Speaker

61 x 20-in woofer element, 61 x 4-in tweeter element. Crossover point 750 Hz; frequency response 32-22,000 Hz ± 2 decibels; sens 86 dB sound-pressure level/watt/meter; impedance 8 ohms \$4,975/pr

Pristine Electrostatic Speaker

Full-range electrostatic element. Power handling 100 W; FR 34-22,000 Hz ± 2 dB; sens 88 dB SPL/W/m; imp 8 ohms. 60 x 28 x 27 in; 100 lb \$3,990

A-2X 2-Way Electrostatic Speaker

48 x 20-in woofer element, 48 x 4-in tweeter element. Crossover point 750 Hz; FR 34-22,000 Hz ± 2 dB; sens 86 dB SPL/W/m; imp 8 ohms. 28 x 57 x 3 in; 88 lb \$3,840/pr

Dynastat Electrostatic Speaker

Hybrid design with 10 1/2-in cone woofer and 48 x 10-in electrostatic tweeter element. Crossover point 150 Hz; FR 28-22,000 Hz ± 2 dB; sens 88 dB SPL/W/m; imp 8 ohms. 17 x 72 x 3 in; 75 lb \$2,735/pr

SOUNDSTREAM

The following feature a 3-yr limited warranty.

Granite 15 Subwoofer

Infinite-baffle design with 15-in driver. Features copper voice coil with Kapton former; plastic-encapsulated steel basket; polymer-laminate paper cone. Power handling 300 W max; FR 20-500 Hz ± 3 dB; sens 92 dB W/m; imp 4 ohms \$250

Granite 12 Subwoofer

Infinite-baffle design with 12-in driver. Features vented Kapton voice-coil former. Power handling 250 W max; FR 33-500 Hz ± 3 dB; sens 96 dB SPL/W/m; imp 4 ohms. 5 1/8-in mounting depth \$200

Granite 10 Subwoofer

10-in driver. Power handling 200 W max; FR 37-500 Hz ± 3 dB; sens 93 dB SPL/W/m; imp 4 ohms. 4 1/2-in mounting depth \$155

SOUNDWAVE

Dialog 2-Way Center-Channel Speaker

Two drivers. Features point-source driver geometry. Power handling 150 W max; FR 50-21,000 Hz ± 3 dB; sens 88 dB sound-pressure level/watt/meter. 21 x 9 x 11 in; 30 lb \$490

Point Source Series

The following feature a high-frequency driver with a vented neodymium magnet, a hexagonal aluminum voice coil, and braided leads, a 180° radiation pattern, nonparallel enclosure slides, a textured acoustic-foam enclosure, a computer-optimized crossover, OFC internal wiring, and gold-plated input connectors.

Point Source 4.0 2-Way Speaker

Power handling 350 max; FR 29-21,000 Hz ± 3 dB; sens 90 dB sound-pressure level/watt/meter. Dimensions: 14 x 46 x 19 in; 87 lb \$3,600/pr

Point Source 3.0 2-Way Speaker

Power handling 300 W; FR 34-21,000 Hz ± 3 dB; sens 90 dB SPL/W/m. 12 x 42 x 16 in \$2,500/pr

Point Source 2.0 2-Way Speaker

Power handling 250 W; FR 37-21,000 Hz ± 3 dB; sens 90 dB SPL/W/m. 12 x 40 x 16 in \$1,890/pr

Point Source 1.0 2-Way Bookshelf Speaker

Stand optional. Power handling 250 W max; FR 45-21,000 Hz ± 3 dB; sens 90 dB SPL/W/m. 12 x 21 x 17 in; 36 lb \$1,390/pr

VR Series

The following feature a vented design, nonparallel enclosure sides, rounded edges, woofers with a vented magnetic pole piece, Kapton former, and rubber surround, and tweeters with ferrofluid damp-

ing. Common specs include crossover point 2,500 Hz and imp 8 ohms.

VR-3 2-Way Speaker

Leakage-damped sealed enclosure with two 8-in long-throw woofers, one 1-in acoustic-suspension dome tweeter, and one top-firing acoustic-suspension dome tweeter. Power handling 250 W max; FR 37-21,000 Hz ± 3 dB; sens 90 dB SPL/W/m. Black. 10 x 41 x 11 in; 52 lb \$1,590/pr

VR-2 2-Way Speaker

Leakage-damped sealed enclosure with two 8-in long-throw woofers and one 1-in acoustic-suspension dome tweeter. Power handling 200 W max; FR 39-21,000 Hz ± 3 dB; sens 90 dB SPL/W/m. Black. 10 x 38 x 11 in; 47 lb \$1,290/pr

VR-1 2-Way Speaker

Vented design with one 8-in woofer and one 1-in acoustic-suspension dome tweeter. Power handling 150 W max; FR 41-21,000 Hz ± 3 dB; sens 88 dB SPL/W/m. Black. 10 x 35 x 11 in; 37 lb \$890

SPEAKERLAB

DAS 7 4-Way Speaker

12-in subwoofer, 10-in woofer, 6 1/2-in midrange, 1-in poly dome tweeter. FR 25-20,000 Hz ± 3 dB; sens 93 dB SPL/W/m. Red-oak veneer finish \$999/pr
Kit \$799/pr

DAS 6 3-Way Speaker

10-in subwoofer, 8-in woofer, 1-in poly dome tweeter. FR 30-20,000 Hz ± 3 dB; sens 93 dB SPL/W/m. Red-oak veneer finish \$799/pr
Kit \$589/pr

SL 4 2-Way Speaker

Two 6 1/2-in woofers, one 1-in metal-dome tweeter. Features D'Appolito configuration. FR 35-20,000 Hz ± 3 dB; sens 91 dB SPL/W/m. Red-oak veneer finish \$499/pr
Kit \$429/pr

SL 3 2-Way Speaker

6 1/2-in woofer, 3/4-in metal-dome tweeter. FR 42-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m. Red-oak veneer finish \$389/pr
Kit \$299/pr

SL88 Subwoofer

Band-pass design with two 8-in drivers. FR 22-155 Hz ± 3 dB; sens 91 dB SPL/W/m. Red-oak veneer finish \$359

DAS/SW Subwoofer

10-in dual-voice-coil driver. FR 30-180 Hz ± 3 dB; sens 91 dB SPL/W/m. Red-oak veneer finish \$329
Kit \$240

SL-C 2-Way Center-Channel Speaker

Two 6 1/2-in woofers, one 3/8-in polymer-dome tweeter. Features magnetic shielding. FR 60-20,000 Hz ± 3 dB; sens 89 dB SPL/W/m \$279
Kit \$239

DAS 2 2-Way Speaker

5 1/4-in woofer, 3/4-in poly dome tweeter. FR 50-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m. Red-oak veneer finish \$239/pr
Kit \$189/pr

SPECO

DMS-6 3-Way Bookshelf Speaker

5-in woofer, 2-in cone tweeter, 1-in dome tweeter. Includes brackets. Power handling 60 W max; FR 55-22,000 Hz; imp 4 or 8 ohms. Black. 6 1/8 x 8 7/8 x 5 1/4 in \$140/pr

DMS-3PW 3-Way Outdoor Speaker

4-in polypropylene woofer, 2-in midrange, 1-in dome tweeter. Features weatherproof design. Includes mounting brackets. Power handling 50 W; FR 55-

S P E A K E R S

20,000 Hz; imp 4 or 8 ohms. White. 4½ x 7¼ x 4¾ in. \$120/pr
DMS-3P. As DMS-3PW, black \$120/pr

DMS-3 3-Way Mini Speaker

4-in air-suspension woofer, 2-in midrange, 1-in dome tweeter. Power handling 100 W; FR 55-20,000 Hz; imp 4 or 8 ohms. Black. 4½ x 7¼ x 4¾ in. \$110/pr
DMS-3A. As above, almond finish \$110/pr

DMS-3TS 3-Way Outdoor Mini Speaker

4-in air-suspension woofer, 2-in midrange, 1-in dome tweeter. Features weatherproof die-cast enclosure; dual built-in line transformer. Includes mounting bracket, wire, and hardware. FR 55-20,000 Hz; imp 8 ohms. Black. 4½ x 7¼ x 4¾ in. \$90
DMS-3TSW. As above, white \$90

DMS-2 2-Way Mini Speaker

3-in air-suspension woofer, 2-in midrange. Includes mounting brackets and hardware. Power handling 60 W; FR 60-20,000 Hz; imp 4 or 8 ohms. 3¾ x 5¾ x 3¼ in. \$70/pr

SPECTRUM AUDIO

Model 1000 3-Way Speaker

Thiele-tuned reflex design with two 8-in woofers, 3-in dome midrange, and 1-in aluminum-dome tweeter. Features hexagonal-shaped enclosure; MDF construction; 12-dB/oct crossover. Power handling 250 W rms; crossover points 800 and 5,000 Hz; FR 25-25,000 Hz ± 2 dB; sens 91 dB SPL/W/m; imp 4 ohms. Light or dark oak finish. 16 x 47 x 12 in. \$2,495

Model 208c 2-Way Speaker

Reflex design with 8-in woofer, ¾-in polycarbonate tweeter. Features polypropylene capacitors. Gold-plated 5-way binding posts. Power handling 200 W rms; crossover point 2,500 Hz; FR 29-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 8 ohms. Natural oak finish. 14½ x 25¾ x 10½ in; 40 lb. \$679
 Above with black-ash or light-walnut vinyl laminate cabinet finish \$599

Model 108c 2-Way Bookshelf Speaker

Reflex design with 8-in woofer, ¾-in polycarbonate tweeter. Power handling 125 W rms; crossover point 3,000 Hz; FR 49-20,000 Hz ± 4 dB; sens 90 dB SPL/W/m; imp 8 ohms. Black-ash or light-walnut vinyl laminate finish. 11½ x 14½ x 9½ in. \$399

Model 106c 2-Way Bookshelf Speaker

Reflex design with 6½-in woofer, ¾-in polycarbonate dome tweeter. Features rubber woofer surround. Power handling 75 W rms; crossover point 3,500 Hz; FR 59-20,000 Hz ± 4 dB; sens 90 dB SPL/W/m; imp 4 ohms. Black vinyl finish. 9 x 13 x 6 in; 8 lb. \$199

SPICA

Angelus 2-Way Speaker

Mirror-imaged system with 8-in plastic-cone woofer and 1-in soft-dome tweeter. Features computer-optimized crossover. Adjustable carpet spikes. Power handling 200 W max; crossover point 3,400 Hz; FR 35-17,500 Hz ± 3 dB; imp 8 ohms. Walnut or oak finish. 21 x 46 x 10½ in; 57 lb. \$1,275/pr

TC-50 2-Way Bookshelf Speaker

Acoustic-suspension design with 6½-in woofer and 1-in dome tweeter. Features triangular cabinet to produce sound within 15° of absolute phase from 350-5,000 Hz. Power handling 50 W cont avg; crossover point 2,500 Hz; FR 58-16,500 Hz ± 3 dB; sens 83 dB SPL/W/m; imp 4 ohms. Oak, walnut, or black finish. 13 x 15½ x 11¾ in; 21 lb. \$550/pr

SC-30 2-Way Bookshelf Speaker

Sealed design with 8-in woofer and 1½-in polypropylene-cone tweeter. Features computer-optimized 3rd-order crossover; 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 11¾ in; 28 lb. \$399/pr

SQUARE D

ELAN In-Wall Speakers

The following are offered only as part of an ELAN Series HD multiroom-component system (see component listings in Multiroom Components section). Contact the manufacturer for more information.

ELAN H1100. 2 way. One 6½-in woofer above and below a soft-dome tweeter \$NA
ELAN H1000. 2 way \$NA
ELAN M100. Available in waterproof version \$NA

SUMIKO

Extrema 2-Way Bookshelf Speaker

Sealed design with 7½-in woofer and 1¼-in soft-dome tweeter. Features no capacitors. Crossover point 2,200 Hz; FR 27-30,000 Hz ± 2.5 dB; sens 88 dB SPL/W/m; imp 4 ohms. Italian walnut or black finish. 11 x 18 x 22 in; 87 lb. \$9,890/pr

Electa Amator 2-Way Bookshelf Speaker

Rear-port design with 7-in woofer and 1¼-in soft-dome tweeter. Crossover point 2,200 Hz; FR 42-30,000 Hz ± 2.5 dB; sens 89 dB SPL/W/m; imp 6 ohms. Italian walnut or black finish \$5,000/pr

Electa 2-Way Bookshelf Speaker

Front-port design with 7-in woofer and 1¼-in soft-dome tweeter. Crossover point 2,000 Hz; FR 50-20,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 6 ohms. Italian walnut finish. 10 x 14 x 9 in; 31 lb. \$2,750/pr

Minima Amator 2-Way Bookshelf Speaker

Rear-port design with 5½-in woofer and 1-in soft-dome tweeter. Crossover point 2,400 Hz; FR 55-25,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 6 ohms. Italian walnut finish. 8 x 11 x 9 in; 21 lb. \$2,500/pr

Minuetto 2-Way Bookshelf Speaker

Rear-port design with 6½-in woofer and 1-in dome tweeter. Crossover point 2,200 Hz; FR 60-20,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 6 ohms. Italian walnut finish. 9 x 12 x 8 in; 26 lb. \$1,500/pr

SUPERIOR AUDIO

Personal Subwoofer Series

The following are designed for small entertainment systems. Each features an anodized-aluminum enclosure, gold-plated line- and speaker-level inputs, an adjustable 72-250 Hz crossover, and level controls. Each is black with a 3-yr warranty.

SX-3 Powered Subwoofer

10-in driver; 80-W amp. Features toroidal transformer. FR 30-250 Hz ± 3 dB; sens 90 SPL/W/m. 12 x 12 x 12 in; 25 lb. \$400

SX-2 Powered Subwoofer

5¼-in driver; 40-W amp. Features toroidal transformer; 120-V AC/12-V DC operation. FR 40-250 Hz ± 3 dB; sens 88 SPL/W/m. 9 x 9 x 9 in; 10 lb. \$300

SX-1 Powered Subwoofer

5¼-in driver; 40-W amp. Features toroidal transformer. FR 40-250 Hz ± 3 dB; sens 88 SPL/W/m. 9 x 9 x 9 in; 10 lb. \$250

SYMDEX

Epsilon Signature 3-Way Speaker

Vented design with 10-in Neoflex cone woofer, 7-in dual-voice-coil Neoflex midrange, 1-in ferrofluid-cooled aluminum-dome tweeter. Features polypropylene capacitors. Power handling 250 W; crossover points 100 and 2,300 Hz; FR 25-20,000 Hz; sens 88 dB; imp 8 ohms. 13 x 48½ x 13 in. \$4,500/pr

Gamma Signature 2-Way Speaker

Vented design with 7-in dual-voice-coil Neoflex cone woofer, 1-in ferrofluid-cooled aluminum-dome tweeter. Features cross bracing; polypropylene capacitors. Power handling 150 W; crossover point 2,300

Hz; FR 45-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. \$2,250/pr

TANNOY

Tannoy Definition Series 3-Way Speaker

10-in woofer, 10-in dual-concentric driver. Features twin-ducted ports; cast-aluminum driver chassis; injection-molded cones; rubber driver surrounds; Medite cabinet. Gold-plated biwire/biamp terminals. Power handling 300 W max; FR 35-30,000 Hz; sens 93 dB; imp 6 ohms. Rosewood, walnut, or black-ash finish. 14¾ x 38¾ x 14¾ in; 90 lb. \$4,995/pr

Tannoy Prestige Series

The following feature dual concentric drivers, a 6-dB/oct adjustable time-compensated biwireable crossover, and a real-wood veneer finish.

Westminster TW 2-Way Speaker

Compound-horn enclosure with 15-in woofer and 1¼-in tweeter. Power handling 520 W max; FR 18-25,000 Hz; sens 99 dB SPL/W/m; imp 8 ohms. 51½ x 41 x 25½ in; 255 lb. \$12,500/pr

GRF Memory TW 2-Way Speaker

15-in woofer, 1¼-in tweeter. Power handling 520 W max; FR 29-25,000 Hz; sens 95 dB SPL/W/m; imp 8 ohms. 44 x 32 x 10 in; 255 lb. \$7,500/pr

Edinburgh TW 2-Way Speaker

12-in woofer, 1¼-in tweeter. Power handling 380 W max; FR 30-25,000 Hz; sens 95 dB SPL/W/m; imp 8 ohms. 40¾ x 26½ x 16¾ in; 97 lb. \$6,500/pr

Stirling TW 2-Way Speaker

10-in woofer, 1-in tweeter. Power handling 250 W max; FR 35-25,000 Hz; sens 93 dB SPL/W/m; imp 8 ohms. 28 x 19½ x 12½ in; 48 lb. \$5,000/pr

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 a tweeter element is in the center of the 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 black-ash or walnut finish. Stands are optional.

Model 615 3-Way Speaker

8-in woofer, 8-in dual-concentric midrange/tweeter, and 8-in passive cone. Features 6-dB/oct low-pass crossover. Gold-plated terminals. Power handling 170 W cont avg; crossover points 400 and 2,500 Hz; FR 45-30,000 Hz ± 3 dB; sens 92 dB; imp 6 ohms. 12¾ x 38 x 8¾ in; 46 lb. \$1,600/pr
Model 613. As above, 6½-in driver and passive cone. Power handling 150 W cont avg; FR 55-30,000 Hz ± 3 dB; sens 90 dB. 35¾ x 10¾ x 7¾ 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 6-dB/oct low-pass crossover. Gold-plated terminals. Power handling 150 W cont avg; crossover points 400 and 2,500 Hz; FR 45-30,000 Hz ± 3 dB; sens 91 dB; imp 6 ohms. 12¾ x 27¼ x 8¾ in; 33 lb. \$900/pr

Model 609 2-Way Bookshelf Speaker

Ported design with 8-in dual-concentric driver. Features 6-dB/oct low-pass crossover. Gold-plated terminals. Power handling 120 W cont avg; crossover point 2,500 Hz; FR 46-30,000 Hz ± 3 dB; sens 89 dB; imp 8 ohms. 12¾ x 19½ x 8¾ in; 22 lb. \$700/pr

Model 607 2-Way Bookshelf Speaker

Ported design with 8-in woofer and 1-in dome tweeter. Features 6-dB/oct high-pass crossover. Power handling 100 W cont avg; crossover point 3,000 Hz;

S P E A K E R S

FR 50-30,000 Hz \pm 3 dB; sens 88 dB; imp 8 ohms. 12 $\frac{1}{2}$ x 19 $\frac{1}{2}$ x 8 $\frac{1}{2}$ in; 20 lb \$600/pr
Model 605. As Model 607, 6 $\frac{1}{2}$ -in woofer. Power handling 90 W cont avg; FR 55-30,000 Hz \pm 3 dB; sens 87 dB. 10 $\frac{3}{4}$ x 15 $\frac{1}{2}$ x 7 $\frac{1}{4}$ in; 15 lb \$400/pr
Model 603. As Model 607, 5-in woofer. Power handling 70 W cont avg; crossover point 3,500 Hz; FR 60-30,000 Hz \pm 3 dB; sens 86 dB, imp 6 ohms. 8 $\frac{1}{2}$ x 13 x 5 in; 9 lb \$300/pr

Tannoy C Series

The following feature polypropylene woofers, liquid-cooled fabric-dome tweeters, and a black or medium oak finish. All models, except C-5, feature a rear port.

C-88 2-Way Speaker

Two 8-in woofers, 1-in tweeter. Power handling 175 W cont avg; FR 35-20,000 Hz; sens 93 dB SPL/W/m; imp 6 ohms. 11 x 35 $\frac{1}{2}$ x 14 $\frac{3}{8}$ in; 45 lb \$699/pr

C-10 2-Way Speaker

10-in woofer, 1-in tweeter. Power handling 120 W cont avg; FR 38-20,000 Hz; sens 91 dB SPL/W/m; imp 6 ohms. 12 $\frac{1}{4}$ x 24 $\frac{1}{4}$ x 10 $\frac{7}{8}$ in; 27 lb \$499/pr

C-8 2-Way Speaker

8-in woofer, 1-in tweeter. Power handling 120 W cont avg; FR 45-20,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms. 10 $\frac{1}{8}$ x 19 x 8 $\frac{5}{8}$ in; 18 lb \$399/pr

C-6 2-Way Bookshelf Speaker

6 $\frac{1}{2}$ -in woofer, $\frac{3}{4}$ -in tweeter. Power handling 100 W cont avg; FR 50-20,000 Hz; sens 88 dB SPL/W/m; imp 6 ohms. 8 $\frac{3}{8}$ x 13 $\frac{3}{4}$ x 8 $\frac{1}{2}$ in; 10 lb \$299/pr

C-5 2-Way Bookshelf Speaker

5-in woofer, $\frac{3}{4}$ -in tweeter. Features front-firing tuned port. Power handling 75 W cont avg; FR 58-20,000 Hz; sens 87 dB SPL/W/m; imp 6 ohms. 7 x 12 $\frac{3}{8}$ x 7 $\frac{7}{8}$ in; 9 lb \$229/pr

TDL

The following feature a lifetime warranty.

Reference Standard 4-Way Speaker

Dual-transmission-line design with two 12 x 8 $\frac{1}{4}$ -in biradial woofers, two 6-in doped-polymer cone midranges in own transmission line, two 1-in magnesium-alloy metal-dome tweeters, and $\frac{3}{4}$ -in dome supertweeter. Biwire/biamp terminals. Crossover points 200, 3,500, and 13,000 Hz; FR 16-35,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Walnut or black-oak veneer finish. 22 x 48 x 20 in \$10,000/pr

Monitor 4-Way Speaker

Transmission-line design with 12 x 8 $\frac{1}{4}$ -in biradial woofer, 6-in doped polymer-cone midrange in own transmission line, 1-in magnesium-alloy metal-dome tweeter, and $\frac{3}{4}$ -in dome supertweeter. Biwire/biamp terminals. Crossover points 300, 3,500, and 13,000 Hz; FR 18-35,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Walnut or black-oak veneer finish. 12 x 45 x 19 in; 103 lb \$6,000/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, and 1-in magnesium-alloy metal-dome tweeter. Biwire/biamp terminals. Crossover points 300 and 3,500 Hz; FR 19-20,000 Hz; sens 87 dB SPL/W/m; imp 6 ohms. Walnut or black-oak veneer finish. 10 $\frac{5}{8}$ x 43 x 17 $\frac{1}{4}$ in; 66 lb \$4,000/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. Power handling 120 W max; crossover point 3,000 Hz; FR 20-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Walnut or black-oak veneer finish. 12 x 37 $\frac{1}{2}$ x 16 $\frac{1}{4}$ in; 60 lb \$3,000/pr

Studio 1M 2-Way Speaker

6 $\frac{1}{2}$ -in Cobex woofer, 1-in tweeter. Power handling

120 W max; crossover point 2,000 Hz; FR 28-20,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. 9 x 30 $\frac{3}{8}$ x 13 $\frac{1}{4}$ in; 50 lb \$2,500/pr

Studio 1. As above, crossover point 3,000 Hz. 9 x 30 x 13 in; 39 lb \$1,800/pr

Studio 0.75M 2-Way Speaker

5 $\frac{1}{2}$ -in woofer, 1-in tweeter. Power handling 100 W max; crossover point 2,000 Hz; FR 30-20,000 Hz; sens 85 dB SPL/W/m; imp 8 ohms. 8 x 26 $\frac{1}{2}$ x 12 in; 35 lb \$2,000/pr

Studio 0.5 2-Way Speaker

Transmission-line design with 5 $\frac{1}{2}$ -in Cobex woofer, 1-in magnesium-alloy dome tweeter. Kapton voice-coil former. Biwire/biamp terminals. Power handling 100 W; crossover point 3,000 Hz; FR 30-20,000 Hz; sens 85 dB SPL/W/m; imp 6 ohms. Black woodgrain finish. 8 x 24 $\frac{1}{2}$ x 12 in \$1,200/pr

RTL-3 2-Way Speaker

Two 6 $\frac{1}{2}$ -in woofers, $\frac{3}{4}$ -in tweeter. Biwire/biamp terminals. Power handling 120 W max; crossover point 3,000 Hz; FR 35-20,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 8 x 34 $\frac{1}{4}$ x 14 $\frac{1}{8}$ in; 46 lb \$900/pr

RTL-2 2-Way Speaker

6 $\frac{1}{2}$ -in woofer, $\frac{3}{4}$ -in tweeter. Biwire/biamp terminals. Power handling 80 W max; crossover point 3,000 Hz; FR 40-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. 8 x 27 $\frac{1}{2}$ x 8 in; 26 lb \$600/pr

RTL-1 2-Way Bookshelf Speaker

6 $\frac{1}{2}$ -in woofer, $\frac{3}{4}$ -in tweeter. Power handling 80 W max; crossover point 3,000 Hz; FR 45-20,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. 8 x 15 $\frac{1}{2}$ x 8 $\frac{3}{4}$ in; 17 lb \$400/pr

Near Field Monitor 2-Way Bookshelf Speaker

4-in woofer, $\frac{1}{2}$ -in tweeter. Power handling 60 W max; crossover point 5,000 Hz; FR 50-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. 7 x 10 $\frac{1}{2}$ x 6 $\frac{5}{8}$ in; 6.5 lb \$250/pr

TEAC

S-500R 2-Way Bookshelf Speaker

5-in woofer, 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 $\frac{1}{2}$ in; 14 lb \$600/pr

SW-1 Subwoofer

5 $\frac{1}{2}$ -in driver. Features magnetic shielding. Power handling 100 W; FR 55-200 Hz; imp 6 ohms. 5 $\frac{1}{2}$ x 17 $\frac{1}{8}$ x 11 $\frac{1}{8}$ in; 9 lb \$240

S-200 2-Way Mini Speaker

5 $\frac{1}{8}$ -in woofer, 1-in soft-dome tweeter. Magnetic shielding. Power handling 80 W; FR 80-20,000 Hz; imp 6 ohms. 6 $\frac{1}{2}$ x 9 $\frac{1}{2}$ x 6 $\frac{1}{8}$ in \$200/pr

LS-X20 Mini Speaker

5 $\frac{1}{8}$ -in full-range driver. Power handling 150 W; FR 58-18,000 Hz; imp 8 ohms. 11 $\frac{3}{8}$ x 6 x 5 $\frac{1}{8}$ in; 10.2 lb \$200/pr

LS-X10 Mini Speaker

5 $\frac{1}{4}$ -in full-range driver. Features 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-in passive radiator, 4-in midrange, and 1-in Mica-dome tweeter. Features nondiffractive cabinet; auto-reset tweeter protection. Tweeter attenuator. Power handling 200 W; crossover points 400 and 3,500 Hz; FR 25-45,000 Hz; sens 90 dB SPL/W/m; imp 6 ohms. 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; crossover points 500 and 3,500 Hz; FR 28-45,000 Hz; sens 89 dB SPL/W/m; imp 6 ohms. 12 $\frac{1}{8}$ x 32 $\frac{1}{4}$ x 12 $\frac{1}{4}$ in; 37 lb \$600/pr

SB-FW40 Subwoofer/Satellite System

Subwoofer with four 8-in drivers; two satellites, each with four 3 $\frac{1}{8}$ -in cone drivers. Features magnetic shielding. Power handling 260 watts. Subwoofer dimensions: 9 $\frac{1}{2}$ x 22 x 16 $\frac{1}{8}$ in. Satellite dimensions: 5 $\frac{1}{2}$ x 16 $\frac{1}{2}$ x 4 $\frac{1}{2}$ in \$380

SB-CL50 2-Way Bookshelf Speaker

Sealed design with 7 $\frac{1}{8}$ -in woofer and 1-in dome tweeter. Features rounded baffle edges. Power handling 160 W; crossover point 3,000 Hz; FR 52-22,000 Hz; sens 87 dB SPL/W/m; imp 8 ohms. Woodgrain 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. Features rounded baffle edges. Power handling 200 W; crossover points 700 and 5,000 Hz; FR 45-20,000 Hz; sens 88 dB SPL/W/m; imp 8 ohms. 9 $\frac{1}{2}$ x 31 $\frac{1}{2}$ x 10 $\frac{5}{8}$ in \$240

SB-CX300 2-Way Bookshelf Speaker

Bass-reflex design with 8-in Mica woofer and 1-in Mica-dome tweeter. Features rounded baffle edges. Crossover point 1,500 Hz; FR 38-45,000 Hz; imp 6 ohms. 10 $\frac{5}{8}$ x 18 $\frac{1}{2}$ x 13 in; 17 lb \$200

SB-LX7 3-Way Speaker

Bass-reflex design with 12-in woofer, 4-in midrange, and 2 $\frac{1}{8}$ -in cone tweeter. Features rounded baffle edges. Power handling 200 W; crossover points 4,000 and 6,000 Hz; FR 40-22,000 Hz; imp 8 ohms. 15 x 27 $\frac{1}{2}$ x 10 $\frac{5}{8}$ in; 22 lb \$170/pr

SB-CSS60 Surround/Center-Channel System

2 surround speakers, each with one 3 $\frac{1}{4}$ -in cone driver; one center-channel speaker with four 3 $\frac{1}{4}$ -in drivers. Features magnetic center-channel shielding; angled surround-speaker baffle. Power handling 260 W center channel. Surround: 4 $\frac{3}{4}$ x 4 $\frac{1}{4}$ x 4 $\frac{1}{8}$ in. Center channel: 16 $\frac{1}{2}$ x 5 $\frac{1}{2}$ x 4 $\frac{1}{2}$ in \$170

SB-LX5 3-Way Speaker

Bass-reflex design with 10-in woofer, 4-in midrange, and 2 $\frac{1}{8}$ -in cone tweeter. Features rounded baffle edges. Power handling 140 W; crossover points 4,000 and 6,000 Hz; FR 42-22,000 Hz; imp 8 ohms. 13 $\frac{3}{8}$ x 24 $\frac{1}{8}$ x 10 $\frac{5}{8}$ in; 19 lb \$140/pr

SB-CSS30 Surround/Center Channel System

2 surround speakers, each with one 3 $\frac{1}{4}$ -in cone driver; one center-channel speaker with two 3 $\frac{1}{4}$ -in cone drivers. Features magnetic center-channel shielding. Power handling 140 W center channel. Surround: 4 $\frac{3}{4}$ x 4 $\frac{1}{4}$ x 4 $\frac{1}{8}$ in. Center channel: 9 $\frac{5}{8}$ x 5 $\frac{1}{2}$ x 4 $\frac{1}{2}$ in \$120

SB-LX3 2-Way Speaker

Bass-reflex design with 10-in woofer, 2 $\frac{1}{8}$ -in cone tweeter. Features rounded baffle edges. Power handling 140 W; crossover point 3,000 Hz; FR 44-22,000 Hz; imp 8 ohms. 12 $\frac{5}{8}$ x 23 $\frac{3}{8}$ x 10 $\frac{5}{8}$ in \$120/pr

TERPSICHORE

Van Arsdale 3-Way Speaker

8-in honeycomb Nomex/Kevlar Eton woofer, 4-in Eton midrange, and 1-in dual-magnet titanium tweeter. Features cast woofer frame; laser-matched drivers; 40-element crossover with switchable attenuation for midrange and high frequencies; concrete lined enclosure with separate concrete transmission-line midrange enclosure. Triwire/triamp terminals. Power handling 250 W; FR 32-20,000 Hz \pm 2 dB. Various finishes. 42-in height; 16 x 17 at base, 5 x 17 at top; 190 lb \$3,200/pr

Landes Monitor 2-Way Speaker

7 $\frac{1}{2}$ -in dual-voice-coil Kevlar woofer, ribbon tweeter. Features 6-dB/oct crossover on both woofers; phase-corrected 12-dB/oct tweeter crossover; cast

S P E A K E R S

woofer frame; polypropylene capacitors; Tara Labs wiring. Gold binding posts. Power handling 100 W; FR 45-24,000 Hz. Custom wood finishes available. 10 x 16 x 8 in; 19 lb \$800/pr
As Landes, bookshelf version \$700/pr

Model 1 Subwoofer

10-in dual-voice-coil driver in folded-horn enclosure. Power handling 150 W; FR 28-1,000 Hz. Wood finish available. 14 x 25 x 16 in \$600

SSS Monitor 2-Way Bookshelf Speaker

5½-in poly woofer, 1-in titanium-dome tweeter. Features magnetic shielding. Power handling 70 W; FR 55-20,000 Hz; imp 6 ohms. Wood finish. 7 x 12 x 10 in; 12 lb \$375/pr

THIEL AUDIO

CS 5 Coherent Source 5-Way Speaker

Three 8-in woofers, 5-in midrange, 2-in upper midrange, and 1-in tweeter. Features sloping baffle; electronic time alignment; synthesized 6-dB/oct crossover; marble polymer baffle; driver diaphragms made of aluminum, Kevlar, or Kevlar/foam sandwich. Power handling 400 W cont avg; FR 25-20,000 Hz ± 1 dB; sens 87 dB SPL/W/m; imp 3 ohms. Walnut or black wood finish. 13 x 64 x 17 in \$10,800/pr

CS 3.6 Coherent Source 3-Way Speaker

10-in woofer, double-cone 4½-in midrange, and 1-in metal-dome tweeter. Features 6-dB/oct crossover; copper woofer rings; midrange and tweeter with short-coil/long-gap magnet structure; internal bracing; 3-in sloping baffle with rounded edges; polystyrene capacitors. FR 29-20,000 Hz ± 1.5 dB; sens 86 dB; imp 4 ohms. 12½ x 48½ x 17 in; 107 lb .. \$3,900

CS 2 2 Coherent Source 3-Way Speaker

Woofer, metal-dome tweeter. Features sloping baffle; copper woofer rings; short-coil/long-gap tweeter magnet structure. FR 35-20,000 Hz ± 2 dB; sens 86 dB; imp 4 ohms. Walnut or black wood finish. 12 x 42 x 13 in; 70 lb \$2,750/pr

CS 1.2 Coherent Source 2-Way Speaker

Polypropylene woofer, metal-dome tweeter. Features sloping baffle; internal bracing. Power handling 150 W cont avg; FR 52-18,000 Hz ± 2 dB; sens 87 dB SPL/W/m; imp 4 ohms \$1,250/pr

SCS Coherent Source 2-Way Speaker

Woofer with coaxially mounted tweeter. Features internal bracing; crossover with polystyrene capacitors. FR 64-20,000 Hz ± 3 dB; sens 87 dB; imp 4 ohms. Walnut or black finish \$1,090/pr

TOTEM

Main-2 2-Way Bookshelf Speaker

Push/pull vented design. Features multiple-layer borosilicate damping. Biwire/biamp WBT terminals. Power handling 200 W; crossover point 4,000 Hz; FR 27-20,000 Hz ± 3 dB; sens 85 SPL/W/m; imp 4 ohms. Black-ash or mahogany finish. 16½ x 8½ x 12 in; 22 lb \$3,995/pr

Model 1 2-Way Bookshelf Speaker

Features multiple-layer borosilicate damping. WBT terminals. Power handling 120 W; crossover point 2,700 Hz; FR 50-20,000 Hz ± 3 dB; sens 87 SPL/W/m; imp 4 ohms. Black-ash or mahogany finish. 6½ x 12½ x 9 in; 9 lb \$1,495/pr

Tott 2-Way Bookshelf Speaker

Features multiple-layer borosilicate damping. Gold-plated biwire/biamp terminals. Power handling 90 W; crossover point 3,500 Hz; FR 50-20,000 Hz ± 3 dB; sens 85 SPL/W/m; imp 8 ohms. Black-ash or mahogany finish. 6 x 11 x 8½ in; 8 lb \$995/pr

Rokk 2-Way Bookshelf Speaker

Features borosilicate damping. Gold-plated biwire/biamp terminals. Power handling 80 W; crossover point 3,200 Hz; FR 50-20,000 Hz ± 2 dB; sens 88 dB

SPL/W/m; imp 4 ohms. Gray. 6½ x 15 x 9¾ in; 11 lb \$895/pr

TRIAD

Thunder Gold Powered Subwoofer

Push-pull design with two 10-in drivers; 250 W x 1 amp. Features servo control. Variable phase control; variable 50-180 Hz 12-dB/oct low-pass filter; center-channel recovery to enable use of small center-channel speaker. FR 20-180 Hz +0, -3 dB. 19¼ x 17¾ x 17½ in \$1,050

Thunder Silver. As above, two 8½-in drivers. 17¼ x 16½ x 15½ in \$900

Thunder Bronze. As Thunder Gold, one 10-in driver; 150 W x 1 amp. No push-pull design. 13½ x 15½ x 14 in \$750

HT Gold 2-Way Satellite Speaker

7-in polypropylene midrange, 1½-in fabric-dome tweeter. Magnetic shielding optional. Power handling 125 W; FR 72-20,000 Hz; sens 91 SPL/W/m; imp 4 ohms. 7¾ x 15½ x 7½ in \$375

HT Silver 2-Way Satellite Speaker

5½-in polypropylene midrange, 1-in fabric-dome tweeter. Magnetic shielding optional. Power handling 100 W; FR 100-20,000 Hz ± 2.5 dB; sens 89 SPL/W/m; imp 8 ohms. 6¾ x 10¾ x 5¾ in \$275

HT Bronze 2-Way Satellite Speaker

4½-in coated-paper midrange, ¾-in fabric-dome tweeter. Magnetic shielding optional. Power handling 75 W; FR 110-20,000 Hz ± 3 dB; sens 87 SPL/W/m; imp 4 ohms. 5¼ x 9 x 5 in \$200

VANDERSTEEN

Model 3 3-Way Speaker

10-in active acoustic coupler, 8-in poly-cone woofer, 4½-in poly-cone ferrofluid-cooled midrange, 1-in critically damped ferrofluid-cooled metal-alloy dome tweeter. Biwire/biamp terminals. Power handling 200 W; crossover points 600 and 5,000 Hz; FR 26-30,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 6 ohms. 16 x 48 x 10¼ in; 97 lb \$2,395/pr

Model 2Ce 3-Way Speaker

10-in long-fiber active acoustic coupler, 8-in poly-cone woofer, 4½-in ferrofluid-cooled poly-cone midrange, 1-in critically damped ferrofluid-cooled metal-alloy tweeter. Biwire/biamp terminals. Power handling 160 W; crossover points 600 and 5,000 Hz; FR 28-29,125 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 7 ohms. 16 x 39¼ x 10¼ in; 63 lb \$1,295/pr

Model 2W Powered Subwoofer

Slot-loaded design with three 8-in poly-cone drivers; 300-W amp. Features butyl rubber driver surrounds; 12-dB/oct crossover. Adjustable sens. Crossover point 80 Hz. 18 x 18½ x 17 in; 90 lb \$1,250

Model 1B 2-Way Speaker

Rear slot-loaded design with 8-in poly-cone woofer and 1-in metal-alloy polymer-dome tweeter. Power handling 100 W; crossover point 2,800 Hz; FR 20-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6.8 ohms. 12 x 36 x 10 in; 50 lb \$650/pr

VCC-1 2-Way Center-Channel Speaker

Coaxial design with 6½-in poly-cone woofer and 1-in critically damped fabric-dome tweeter. Features 6-dB/oct crossover, cast-metal basket; damped MDF enclosure; computer-grade crossover components. Proximity switch to compensate for boundary effects. Power handling 200 W; crossover point 3,500 Hz; FR 150-21,000 Hz ± 3 dB proximity switch off, 300-21,000 Hz ± 3 dB proximity switch on; sens 86 dB; imp 5 ohms. 12½ x 9¼ x 10½ in \$495

VECTOR RESEARCH

The following, except VRP-275 Pro Series, feature antiresonant one-piece woofer baskets, soft-dome tweeters, 8-ohm impedance, and a light-oak finish.

VRP-275 Pro Series Subwoofer/Satellite System

Subwoofer with 8-in driver; two satellites, each with 3½-in midrange and 2½-in tweeter. Features magnetic satellite shielding. Power handling 125 W subwoofer, 75 W satellites; FR 28-150 subwoofer, 140-20,000 Hz satellites; sens 90 dB SPL/W/m subwoofer, 89 dB SPL/W/m satellites; imp 6 ohms subwoofer, 8 ohms satellites. Subwoofer: 5¾ x 20½ x 12¾ in. Satellite: 4¾ x 8¼ x 4½ in \$899

VSP-1230 3-Way Speaker

Bass-reflex design with 12-in woofer, 5-in midrange, and 1-in tweeter. Power handling 250 W; sens 92 dB SPL/W/m. 14½ x 27½ x 11½ in; 37 lb \$400/pr

VSP-82 2-Way Speaker

Bass-reflex design with 8-in woofer and 2-in tweeter. Power handling 60 W; sens 89 dB SPL/W/m. 18¾ x 8¾ in; 15 lb \$160/pr

VELODYNE

ULD-18 Series II Powered Subwoofer

18-in downward-firing driver; outboard 400-W Class B amp. Features servo driver control; open/short circuit, low-voltage, and overload protections. FR 18-85 Hz ± 3 dB. Walnut, oak, or black finish. Cabinet: 23½ x 21½ x 31 in. Amp: 3½ x 11 x 17 in. 120 lb \$2,750

ULD-15. As above, 15-in driver. Cabinet: 17 x 18¼ x 22½ in. 72 lb \$1,895

F-1500 Powered Subwoofer

15-in driver; 250-W Class A/B amp. Features servo driver control; passive 85-Hz high-pass filter. Adjustable 40-100 Hz low-pass filter. FR 18-85 Hz ± 3 dB; THD 0.7%. Black vinyl woodgrain or granite vinyl finish. 20 x 20 x 20 in; 79 lb \$1,495

ULD-12 Powered Subwoofer

12-in downward-firing driver; 100-W Class B amp. Features servo driver control; thermal, open/short circuit, low-voltage, and overload protections. FR 20-85 Hz ± 3 dB. Walnut, oak, or black finish. Cabinet: 15¾ x 17 x 21 in. Amp: 8 x 6 x 1½ in; 51 lb .. \$1,295

F-1200 Powered Subwoofer

12-in driver; 100-W Class A/B amp. Features servo driver control; passive 85-Hz high-pass filter. Adjustable 40-100 Hz low-pass filter. FR 20-85 Hz ± 3 dB; THD 1%. Black vinyl woodgrain or granite vinyl finish. 16¾ x 16¾ x 16¾ in; 55 lb \$1,095

F-1000. As above, 10-in driver. 80-W amp. 14¼ x 14¼ x 14¼ in; 44 lb \$895

VA1012-II Powered Subwoofer

10-in driver, 12-in passive radiator; 60-W Class A/B amp. Features 85-Hz high-pass filter; 6-dB/oct low-pass filter. Line- and speaker-level inputs and outputs. FR 28-85 Hz. Black \$695

VA810 Powered Subwoofer

8-in driver, 10-in passive radiator; 50-W Class A/B amp. Features 85-Hz high-pass filter; 6-dB/oct low-pass filter. Line- and speaker-level inputs and outputs. FR 35-85 Hz. Black \$595

VIDEO ACOUSTICS

VA 1400BK 2-Way Bookshelf Speaker

Acoustic-suspension design with 8-in woofer and ¾-in soft-dome tweeter. Features 1½-in voice coil; ferrofluid cooling; capacitive coupling; magnetic shielding. 5-way binding posts. Power handling 240 W max; crossover point 2,800 Hz; FR 65-17,000 Hz ± 4 dB; sens 86 dB SPL/W/m; imp 8 ohms. Genuine oak veneer finish. 10 x 15 x 7 in; 19 lb \$599/pr

VA 1500BK Subwoofer

Ported design with 8-in dual-voice-coil driver. Features magnetic shielding. 5-way binding posts. Power handling 250 W max; crossover point 60 Hz; FR 31-72 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. Genuine oak veneer finish. 19½ x 19½ x 19½ in; 76 lb \$599

S P E A K E R S

VA 1200BK Surround Speaker

Single multi-chambered enclosure design with two 4½-in side-firing woofers and four top-loaded 3½-in tweeters. Features multi-polar radiation design; asymmetrical crossover. 5-way binding posts. Power handling 150 W max; crossover point 400 Hz; sens 92 dB SPL/W/m; imp 8 ohms. Genuine oak veneer finish. 24 x 7½ x 10 in; 30 lb \$499

VA 1300BK 2-Way Center-Channel Speaker

Two 5¼-in woofers, 1¼-in horn-loaded polycarbonate-dome tweeter. Features magnetic shielding; angled baffle. 5-way binding posts. Power handling 200 W max; crossover point 3,000 Hz; FR 100-19,000 Hz ± 4 dB; sens 90 dB SPL/W/m; imp 8 ohms. Genuine oak veneer finish. 15½ x 7 x 7 in; 16 lb \$349

VMPS

The following feature a 5-yr warranty.

FF-1 3-Way Speaker

Three 12-in woofers, two 5-in midranges, two 1-in ribbon tweeters. Biwire/biamp terminals. Crossover points 400, 4,500, and 15,000 Hz; FR 10-45,000 Hz; sens 92 dB SPL/W/m; imp 4 ohms \$6,800/pr

Super Tower III 4-Way Speaker

Passive-radiator design with two 15-in woofers, 12-in woofer, two 10-in woofers, four 5¼-in cone midranges, four 1-in dome tweeters, ¾-in ribbon supertweeter. Biwire/biamp terminals. Level controls for midrange, tweeter, and supertweeter. Power handling 500 W max; crossover points 200, 600, 5,000, and 15,000 Hz; FR 17-50,000 Hz; sens 94 dB SPL/W/m; imp 8 ohms. 18 x 86 x 19 in; 300 lb \$5,600/pr

Super Tower/R Special Edition 5-Way Speaker

Multiband bass design with two 15-in woofers, 10-in woofer, two 5¼-in cone midranges, 2-in ribbon tweeter, and 1-in dome supertweeter. Biwire/biamp terminals. Level controls for midrange, tweeter, and supertweeter. Power handling 350 W max; crossover points 200, 600, 5,000, and 15,000 Hz; FR 20-50,000 Hz; sens 92 dB SPL/W/m; imp 8 ohms. Oak finish. 18 x 52 x 19 in; 200 lb \$3,400/pr

Tower II Special Edition 4-Way Speaker

Multiband bass design with three 12-in woofers, 5¼-in cone midrange, 1-in ribbon tweeter, and 1-in dome supertweeter. Biwire/biamp terminals. Level controls for midrange, tweeter, and supertweeter. Power handling 300 W max; crossover points 200, 600, 5,000, and 15,000 Hz; FR 22-40,000 Hz; sens 92 dB SPL/W/m; imp 4 ohms. 15½ x 45 x 16 in; 110 lb \$1,876/pr

Tower II 4-Way Speaker

Multiband design with three 12-in woofers, 5-in cone midrange, 1-in dome tweeter, and two piezo supertweeters. Biwire/biamp terminals. Level controls for midrange, tweeter, and supertweeter. Power handling 300 W max; crossover points 200, 600, 5,000, and 15,000 Hz; FR 22-30,000 Hz; sens 92 dB SPL/W/m; imp 4 ohms. 15¼ x 43 x 16 in \$1,398/pr

Mini Tower IIa 4-Way Speaker

Passive-radiator design with two 10-in woofers, 5-in cone midrange, and two 1-in dome tweeters. Level controls for midrange, tweeter, and supertweeter. Power handling 200 W max; crossover points 600, 5,000, and 15,000 Hz; FR 28-30,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. 12 x 39 x 15 in \$958/pr

VMPS Dedicated Subwoofer

Two 12-in drivers. Power handling 200 W max; crossover point 100 Hz; FR 28-200 Hz; sens 92 dB SPL/W/m; imp 8 ohms. 15½ x 26 x 16 in \$858

WATERWORKS ACOUSTICS

The following feature a 3-yr warranty and may be used outdoors. Custom finishes are available.

Soundpipe Two 2-Way Speaker

Two 5-in poly-cone woofers, ¾-in tweeter. Power

handling 100 W cont avg; FR 80-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 4 ohms. Black or white. 6 x 21½ x 8½ in; 22 lb \$699/pr

Soundpipe Sub Subwoofer

10-in dual-voice-coil poly-cone driver. Power handling 100 W cont avg; FR 30-100 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 3 ohms. Black or white. 40 lb \$499

Soundpipe One 2-Way Speaker

5-in poly-cone woofer, ½-in tweeter. Power handling 50 W cont avg; FR 80-20,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 8 ohms. Black or white. 6 x 13 x 8½ in; 12 lb \$399/pr

WAVEFRONT ACOUSTICS

The following feature the Internally-Anechoic Lattice structural network to stiffen cabinet surfaces and attenuate internal standing waves. They also feature Impedance Linearization Circuitry to present a nearly perfect resistive load to an amplifier.

Peak Two Gold 2-Way Speaker

Two 8¾-in woofers, 1½-in textile-dome tweeter. Stand optional. Power handling 400 W cont avg; FR 35-25,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 3 ohms. Polished lacquer finish with 24-karat gold trim. 12¼ x 36 x 17 in; 205 lb \$10,000/pr

Peak Two. As above, less refined crossover. No gold trim. Standard finish \$6,000/pr

Peak One Gold 2-Way Speaker

Two 8¾-in woofers, 1½-in textile-dome tweeter. Stand optional. Power handling 200 W cont avg; FR 35-25,000 Hz ± 3 dB; sens 88 dB SPL/W/m; imp 5.5 ohms. Polished lacquer finish with 24-karat gold trim. 10¼ x 24 x 17 in; 150 lb \$7,000/pr

Peak One. As above, less refined crossover. No gold trim. Standard finish \$4,000/pr

WESTLAKE AUDIO

SM-1F Five Amp Powered 5-Way Speaker

Ported design with two 18-in woofers, 12-in midbass, 2-in horn-loaded compression midrange, 1-in horn-loaded compression tweeter, and ½-in compression tweeter. Includes SM-1X and MRX-2 active crossovers and 2 pedestals. Crossover points 200, 800, 3,200, and 10,000 Hz; FR 20-20,000 Hz \$72,000/pr

SM-1F Quad Amp. As above, without MRX-2. 49 x 39 x 32 in; 450 lb \$67,000/pr

SM-1F Bi Amp. As above, with MRX-2 and two HLX-SM1 passive crossovers for biampification \$63,000/pr

HR-1VF Quad Amp Powered 4-Way Speaker

Ported design with two 15-in woofers, 10-in midbass, 2-in horn-loaded compression midrange, and 1-in horn-loaded compression tweeter. Includes HR-1X active crossover. FR 34-16,000 Hz ± 3 dB. 34 x 48 x 21 in; 410 lb \$35,000/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 \$31,000/pr

HR-1F Quad Amp. As HR-1VF Quad Amp, horizontal configuration. 400 lb \$25,950/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 ± 3 dB. 34 x 44 x 21 in; 395 lb \$28,000/pr

TM-3VF Single Amp. As above, with pair of HLX-800 passive crossovers installed. 34 x 44 x 21 in; 420 lb \$25,000/pr

Tower-12 2-Way Speaker

Ported design with two 12-in woofers, 1-in compression horn tweeter. FR 38-16,000 Hz ± 3 dB. 26½ x 56 x 23½ in; 350 lb \$20,000/pr

BBSM-15F 3-Way Speaker

Ported design with two 15-in woofers, 10-in midrange in integral nonresonant enclosure, and 2-in horn-

loaded compression tweeter. Power handling 300 W max; crossover points 350 and 1,600 Hz; FR 50-15,000 Hz ± 3 dB; imp 4 ohms. 41 x 27¼ x 25 in; 400 lb \$14,750/pr

BBSM-12VNF 3-Way Speaker

Ported design with two 12-in woofers, 6½-in midrange in integral nonresonant enclosure, and 1¼-in dome tweeter. FR 38-16,000 Hz ± 3 dB. Walnut or black finish. 17 x 47½ x 21½ in; 230 lb \$7,500/pr

BBSM-12F Bi-Wire. As above, power handling 180 W max, FR 50-16,000 Hz ± 3 dB. 34 x 19 x 23 in; 185 lb \$7,250/pr

BBSM-10VNF 3-Way Speaker

Ported design with two 10-in woofers, 6½-in midrange in integral nonresonant enclosure, and 1¼-in dome tweeter. Frequency response 40-16,000 Hz ± 3 decibels. Walnut or black finish. Dimensions: 14½ x 46 x 19½ in; weight: 165 lb \$6,000/pr

BBSM-10F Bi-Wire. As above. 30 x 16 x 21½ in; 136 lb \$5,750/pr

BBSM-8VNF 3-Way Speaker

Ported design with two 8-in woofers, 3½-in midrange driver, and 1-in dome tweeter. FR 42-18,000 Hz ± 3 dB. Walnut or black finish. 12 x 42½ x 16½ in; 120 lb \$5,000/pr

BBSM-8F. As above, FR 65-18,000 Hz ± 3 dB. 26 x 13 x 16½ in; 90 lb \$4,750/pr

C-12 3-Way Speaker

Ported design with 12-in woofer, 6½-in midrange, and ¾-in tweeter. FR 38-19,000 Hz ± 3 dB. Black oak finish. 16 x 45 x 13 in; 95 lb \$4,500/pr

BBSM-6VNF 3-Way Speaker

Ported design with two 6-in woofers, 3½-in midrange in integral nonresonant enclosure, 1-in dome tweeter. FR 44-18,000 Hz ± 3 dB. Walnut or black finish. 9¾ x 42 x 14 in; 85 lb \$4,000/pr

BBSM-6F. As above, FR 60-20,000 Hz ± 3 dB. 10½ x 22 x 13 in; 55 lb \$3,750/pr

C-10 3-Way Speaker

Ported design with 10-in woofer, 3½-in midrange, and ¾-in tweeter. FR 40-19,000 Hz ± 3 dB. Black oak finish. 13½ x 43 x 12 in; 70 lb \$3,500/pr

C-8 3-Way Speaker

Ported design with 8-in woofer, 3½-in midrange, and ¾-in tweeter. FR 42-19,000 Hz ± 3 dB. Black oak finish. 11 x 41½ x 10 in; 50 lb \$3,000/pr

BBSM-5VNF 2-Way Speaker

Ported design with two 5-in woofers and one 1¼-in tweeter. FR 58-18,000 Hz ± 3 dB. Walnut or black finish. 7½ x 22 x 12 in; 52 lb \$2,900/pr

BBSM-4VNF 2-Way Speaker

Ported design with two 4-in woofers and one ¾-in tweeter. FR 60-20,000 Hz ± 3 dB. Walnut or black finish. 6¾ x 20 x 11 in; 48 lb \$2,400/pr

BBSM-4F. As above, crossover point 1,500 Hz, FR 65-20,000 Hz ± 3 dB, imp 4 ohms. 15 x 8 x 10 in; 26 lb \$2,250/pr

C-6 2-Way Speaker

Ported design with 6-in woofer and ¾-in tweeter. FR 44-20,000 Hz ± 3 dB. Black oak finish. 9 x 39½ x 11 in; 30 lb \$1,750/pr

WHARFEDALE

The following feature a 5-yr warranty.

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 woofer mounting; downward-firing flared-reflex port. Gold-plated biwire/biamp terminals. Power handling 150 W max; crossover point 4,000 Hz; FR 39-40,000 Hz; sens 89 dB SPL/W/m; imp 8 ohms. Black-ash finish. 12 x 10 x 10 in; 58 lb \$2,000/pr

S P E A K E R S

Coleridge. As Harewood. Power handling 100 W max; FR 45-40,000 Hz. 10 x 19 x 10½ in. . . . \$1,575

Model 519 3-Way Speaker

Infinite-baffle design with 8-in woofer, 5-in midrange, and 1-in ceramic-dome tweeter. Biwire blamp terminals. Power handling 150 W cont avg; crossover points 200 and 4,000 Hz; FR 37-40,000; sens 90 dB SPL/W/m; imp 8 ohms. Black-ash or mahogany veneer finish. 28 x 10½ x 13 in; 34 lb. . . . \$1,600/pr

Model 517. As above, without midrange. Power handling 120 W max; FR 39-20,000 Hz; sens 87 dB SPL/W/m; 21 x 10½ x 12½ in; 26 lb. . . . \$925/pr

Model 515. As Model 517, power handling 100 W max, FR 42-20,000 Hz. 15½ x 10½ x 12 in; 14 lb. . . . \$625/pr

CRS 9 3-Way Speaker

10-in woofer, 5-in midrange, 1-in tweeter. Power handling 170 W max; crossover point 4,000 Hz; FR 35-25,000 Hz; sens 92 SPL/W/m; imp 8 ohms. 12 x 31½ x 11 in; 35 lb. . . . \$800

Model 2130 Subwoofer/Satellite System

Subwoofer with two 8-in drivers in push-pull configuration; two satellites, each with 4-in midrange and two ¾-in metal-dome tweeters. Power handling 40 W cont avg; FR 40-22,000 Hz; sens 89 dB; imp 8 ohms. Black-vinyl finish. Subwoofer: 8 x 12½ x 19¼ in. Satellites: 8¾ x 5¼ x 4¼ in; 13 lb. . . . \$600

Model 435 2-Way Speaker

Infinite-baffle design with two 8-in mineral-filled polypropylene woofers and 1-in metal-dome tweeter. Power handling 125 W; crossover point 4,000 Hz; FR 42-25,000 Hz; sens 90 dB SPL/W/m; imp 8 ohms. Black-ash finish. 10 x 26 x 11 in. . . . \$575/pr

Model 425. As above, 8½-in woofer. Power handling 110 W max; FR 40-25,000 Hz; sens 89 dB SPL/W/m. 11 x 16 x 10 in; 22 lb. . . . \$475/pr

Model 415. As Model 435, 6¾-in woofer. Power handling 100 W max; FR 45-25,000 Hz; sens 87 dB SPL/W/m. 10 x 14 x 8 in; 13 lb. . . . \$375

CRS 7 2-Way Speaker

8-in woofer, 1-in tweeter. Power handling 140 W max; crossover points 4,000, 6,000, and 18,000 Hz; FR 40-25,000 Hz; sens 91 dB SPL/W/m; imp 8 ohms. 10½ x 23½ x 8 in; 30 lb. . . . \$500

CRS 5. As above, ¾-in tweeter. Power handling 125 W max; crossover points 3,500, 6,000, and 15,000 Hz; FR 42-25,000 Hz; sens 90 dB SPL/W/m. 10½ x 18¾ x 8 in; 25 lb. . . . \$350

CRS 3. As CRS 5, 6½-in woofer. Power handling 100 W max; FR 45-25,000 Hz; sens 89 dB SPL/W/m. 8½ x 15 x 7 in; 13 lb. . . . \$250

Diamond V 2-Way Bookshelf Speaker

Ported design with 5-in mineral-filled polypropylene woofer and 1-in metal-dome tweeter. Power handling 100 W max; crossover points 3,500, 6,000, and 18,000 Hz; FR 47-25,000 Hz; sens 86 dB SPL/W/m; imp 8 ohms. 7¼ x 10½ x 7¼ in; 9 lb. . . . \$300/pr

Diamond III. As above, 4½-in woofer and ¾-in dome tweeter. 7 x 9 x 8 in; 8 lb. . . . \$200/pr

WOLCOTT AUDIO

MDH-2B Omnisphere 2-Way Speaker

Bass-reflex design with four 6½-in polypropylene cone woofers and 1½-in soft-dome tweeter. Features vertical tweeter alignment; closely spaced 6-in-radius sphere and semisphere to form radial horn; auto electronic tweeter protection; butyl woofer surrounds; floor-loaded ports. Casters. Power handling 250 W rms; FR 30-20,000 Hz ± 3 dB; sens 90 dB SPL/W/m; imp 6 ohms. High-gloss black-lacquer finish. 21 x 49 x 21 in; 110 lb. . . . \$5,995/pr

MDH-2C. As above, black base. . . . \$4,500/pr

YAMAHA

YST-SW500 Powered Subwoofer

Active Servo Technology design with 10-in driver and 3-in air woofer; 120-W amp into 5 ohms. Features

magnetic shielding; variable high-cut filter; ¾-in cabinet construction. Line- and speaker-level inputs. Volume control; power on-off switch; phase reverse switch; 3-preset memory positions for different volume, high-cut and phase settings; 2 switchable remote-control codes for multiple units; remote control. FR 20-160 Hz. Charcoal gray. 13 x 17½ x 15 in; 48.5 lb. . . . \$799

YST-SW200 Powered Subwoofer

Active Servo Technology design with two 7-in spruce-cone drivers; 100-W amp into 5 ohms. Features magnetic shielding; continuously variable high-cut filter. Line- and speaker-level inputs; 3-way binding posts. Volume control; phase reverse switch; remote control. Black. 9¾ x 23¼ x 15¾ in; 39.3 lb. . . . \$599

Tri-Sound A1 Subwoofer/Satellite System

Two NS-A325 satellites and YST-SW100 powered subwoofer. . . . \$599

Tri-Sound A2. As above, with YST-SW500 powered subwoofer. . . . \$499

YST-SW100 Powered Subwoofer

Active Servo Technology design with two 7-in cone woofers and 1¼-in air woofer; 70-W amp into 5 ohms. Features variable high-pass filter with 24-dB/oct slope; magnetic shielding. Line- and speaker-level inputs. Volume control. FR 21-180 Hz. Black. . . . \$449

NS-A1235 3-Way Speaker

12-in woofer, 5-in midrange, and 1-in dome tweeter. Black oak vinyl finish. . . . \$400/pr

YST-SW50 Powered Subwoofer

Active Servo Technology design with 7-in driver; 50-W amp into 6 ohms. Features magnetic shielding; variable high-pass filter (50-200 Hz) with 18-decibel/octave slope. Frequency response 25-200 Hz. 8¼ x 18¾ x 13¾ in. . . . \$349

NS-A835 3-Way Bookshelf Speaker

12-in woofer, 5-in midrange, and 1-in dome tweeter. Black oak vinyl finish. . . . \$300/pr

WSX-10 2-Way In-Wall Speaker

6¾-in woofer, 1-in tweeter. New-construction bracket available. Power handling 80 W nom; FR 50-25,000 Hz; sens 89 dB SPL/W/m; imp 6 ohms. White paintable finish. 8¾ x 12½ x 3¾ in. . . . \$200

NS-10M 2-Way Bookshelf Speaker

Acoustic-suspension design with 7-in woofer and 1½-in soft-dome tweeter. Power handling 50 W; sens 90 dB SPL/W/m; imp 8 ohms. 8½ x 15 x 7¾ in. . . . \$199

NS-A635 3-Way Bookshelf Speaker

8-in woofer, 5-in midrange, and ¾-in dome tweeter. Black oak vinyl finish. . . . \$175/pr

NS-A525 2-Way Bookshelf Speaker

6-in woofer, ¾-in semi-dome tweeter. Black oak vinyl finish. . . . \$125/pr

NS-A202 2-Way Surround Speaker

Bass-reflex design with 5-in woofer and ¾-in semi-dome tweeter. Power handling 100 W max; sens 91 dB SPL/W/m; imp 6 ohms. Antique white finish. 11¾ x 8½ x 3½ in; 4.1 lb. . . . \$99

NS-E80 2-Way Surround Speaker

4-in woofer, 1½-in cone tweeter. Power handling 100 W max. Off-white finish. . . . \$99

NS-A325 2-Way Mini Speaker

Acoustic-suspension design with 3½-in coated polymer woofer and ¾-in Mylar dome tweeter. Features magnetic shielding. Wall mount brackets optional. Power handling 120 W max; FR 150-22,000 Hz ± 3 dB; sens 87 dB SPL/W/m; imp 6 ohms. Black. 7¾ x 4¾ x 4 in. . . . \$85

NS-A325W. As above, white. . . . \$85

NS-A95 2-Way Surround Speaker

Acoustic-suspension design with 4½-in woofer and 2-in cone tweeter. Includes mounting bracket. Power handling 30 W; sens 91 dB SPL/W/m; imp 4 ohms. Black. 9 x 9 x 3½ in; 4.4 lb. . . . \$80/pr

NS-A90B. As above, white. . . . \$80/pr

NS-A102 Surround Speaker

Bass-reflex design with 4-in full-range driver. Includes stand. Power handling 30 W max. Gray. 8½ x 11½ x 3½ in. . . . \$69

R/2 Series

NS-A1030 3-Way Speaker

10-in polycarbonate woofer, 5-in polycarbonate midrange, 1-in 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 midrange, 1-in 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, 1-in dome tweeter. Power handling 140 W rms; FR 50-22,000 Hz ± 3 dB; sens 90 dB; 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, ¾-in 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 finish. . . . \$199/pr

Center-Channel Speakers

NS-C110 2-Way Center-Channel Speaker

Two 4¾-in woofers, 1-in soft-dome tweeter. Features magnetic shielding. Power handling 120 W max; FR 60-20,000 Hz; sens 92 dB SPL/W/m; imp 6 ohms. Black. 18½ x 6 x 7¾ in. . . . \$199

NS-AC80 2-Way Center-Channel Speaker

Two 4-in woofers, ¾-in semi-dome tweeter. Features magnetic shielding; slanted front baffle. Power handling 80 W max; FR 70-20,000 Hz; sens 90 dB; imp 8 ohms. 17½ x 5½ x 6¼ in; 8 lb. . . . \$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; proprietary Litz internal wiring. Gold-plated 5-way binding posts. FR 22-20,000 Hz ± 2 dB; imp 4 ohms. Satine solid-hardwood finish. 35 x 78 x 3½ in; 225 lb. . . . \$22,000/pr

FPR-72 MkIII. As above, smaller diaphragm. FR 29-20,000 Hz ± 2 dB; imp 3 ohms. 29½ x 72 x 3½ in; 135 lb. . . . \$13,800/pr

FPR-72 SL. Slim-line version of MkIII. . . . \$12,000

The listings are based on data provided by the manufacturers. For more product information, contact an authorized dealer or the manufacturer directly. Manufacturers' addresses and phone numbers are listed in the directory beginning on page 206.

H E A D P H O N E S

AIWA

HP-X1000 Headphones

Coiled one-sided 9 $\frac{1}{2}$ -ft LC-OFC Litz cord with gold-plated mini/phone plug. Features two 2-in drivers; composite-mica double-dome diaphragms; symmetric neodymium magnet configuration; copper-clad aluminum-wire voice coils; glass-fiber-reinforced plastic baffles; metal cap housing. Leather earpads. Includes adaptor. Power handling 1.5 W; FR 5-30,000 Hz; sens 103 SPL/W/m; imp 45 ohms. 8.8 oz \$150

HP-X500 Headphones

LC-OFC Litz cord with gold-plated mini/phone plug. Features 2-in drivers; double-dome diaphragms; symmetric neodymium magnet configuration; copper-clad aluminum-wire voice coils; glass-fiber-reinforced baffles. Power handling 1.5 W; FR 5-27,000 Hz \$100

HP-X80 Headphones

Coiled one-sided LC-OFC Litz cord with 24-karat gold-plated mini/phone plug. Features 1 $\frac{1}{4}$ -in drivers; flat carbon-laminated diaphragms. 180° earpad rotation. Power handling 1 W; FR 5-25,000 Hz \$70

HP-X35 Headphones

26-ft OFC cord with 24-karat gold-plated mini/phone plug. Features 1 $\frac{1}{2}$ -in drivers. In-line volume control and mono/stereo switch. Power handling 1 W; FR 5-23,000 Hz; sens 102 dB; imp 40 ohms. 4.9 oz \$70

HP-J9 Earphones

OFC Litz cord with 24-karat gold-plated L-shaped mini plug. Features $\frac{5}{8}$ -in drivers; bass resonator ducts; samarium-cobalt magnets. Includes carrying case. FR 8-25,000 Hz \$60

HP-X30 Headphones

One-sided OFC Litz cord with 24-karat gold-plated mini/phone plug. Features 1 $\frac{1}{2}$ -in drivers. Power handling 1 W; FR 5-23,000 Hz \$60

HP-V88 Earphones

LC-OFC cord with 24-karat gold-plated mini/phone plug. Features samarium-cobalt magnets; double-dome $\frac{5}{8}$ -in drivers; bass resonator ducts. Includes carrying case. FR 8-25,000 Hz \$55

HP-V58 Earphones

OFC cord with 24-karat gold-plated plug. Features $\frac{5}{8}$ -in drivers; bass resonator ducts; samarium-cobalt magnets. In-line volume control. Includes carrying case. FR 10-25,000 Hz \$45

HP-J6 Earphones

OFC Litz cord. Features $\frac{5}{8}$ -in drivers; bass resonator ducts. In-line volume control; rubber-coated headband. FR 8-25,000 Hz. Black \$45
 HP-J3. As above, headband not rubber coated. Green \$35

HP-A550 Open-Air Headphones

One-sided OFC Litz cord with 24-karat gold-plated phone/mini plug. Features 1 $\frac{1}{2}$ -in drivers; bass resonator ducts. FR 7-20,000 Hz \$40

HP-A560 Open-Air Headphones

One-sided 16 $\frac{1}{2}$ -in OFC Litz cord with 24-karat gold-plated mini/phone plug. 1 $\frac{1}{2}$ -in drivers; bass resonator ducts. Power handling FR 7-20,000 Hz \$35

HP-V65 Earphones

OFC cord with 24-karat gold-plated plug. Features $\frac{5}{8}$ -in drivers; bass resonator ducts; design to prohibit sound leakage. Includes carrying case \$35

HP-V28 Earphones

OFC cord with 24-karat gold-plated plug. Features $\frac{5}{8}$ -in drivers; bass resonator ducts. In-line volume control and mono/stereo switch. FR 7-25,000 Hz \$27

HP-A360 Open-Air Headphones

One-sided OFC Litz cord with 24-karat gold-plated



mini/phone plug. Features 1 $\frac{1}{2}$ -in drivers; bass resonator ducts. FR 7-20,000 Hz \$25

HP-V23 Earphones

OFC cord. Features $\frac{5}{8}$ -in drivers; bass resonator ducts. In-line volume control. Frequency response 7-25,000 Hz \$25

HP-A260 Open-Air Headphones

Mini plug. Features 1 $\frac{1}{2}$ -in drivers; copper-clad aluminum-wire voice coils. 3-point folding headband. FR 20-20,000 Hz \$20

HP-A150. As above, 1 $\frac{1}{4}$ -in drivers. Does not fold. Includes phone-plug adaptor \$15

HP-V16 Earphones

OFC cord. Features $\frac{5}{8}$ -in drivers; bass resonator ducts. FR 7-25,000 Hz \$20

HP-V14 Earphones

OFC cord. Features 1 $\frac{1}{4}$ -in bass resonator ducts; samarium-cobalt magnets. FR 10-22,000 Hz \$15

AKG ACOUSTICS

K1000 Headphones

15-ft OFC cable with gold-plated XLR connector. Features dynamic MC transducer magnet system. Soft-leather earpads. Power handling 1 W; FR 20-20,000 Hz; sens 74 dB; imp 120 ohms. 10 oz \$999

K500 Headphones

10-ft cord with mini plug. Features MC transducer in each earcup. Soft-leather earpads. Includes adaptor. Power handling 200 mW; FR 15-27,000 Hz; sens 94 dB; imp 120 ohms. 8.1 oz \$229

K270S Headphones

10-ft cord with phone plug. Features parabolic transducer in each earcup. Auto on/off switch; vinyl-covered earpads. Power handling 200 mW; frequency response 20-20,000 Hz; sensitivity 92 dB; impedance 75 ohms. 9.5 oz \$209
 K280. As above, semi open-air design. Sens 94 dB. 8.8 oz \$199

K400 Headphones

10-ft cord with mini plug. Features MC transducer in each earcup. Fabric-covered earpads. Power handling 200 mW; FR 20-26,000 Hz; sens 96 dB; imp 120 ohms. 9.5 oz \$189

K240 DF Headphones

10-ft cord with phone plug. Design based on European requirements for reference monitor headphones. FR 15-20,000 Hz \pm 2 dB; sens 88 dB SPL/W/m; imp 600 ohms. 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; sens 88 dB SPL/W/m \$139

K-141/2 Headphones. 10-ft cord and phone plug. Imp 600 ohms. 8 oz \$119

AUDIO-TECHNICA

ATH-M3X Headphones

Mini plug. Includes phone-plug adaptor. Leatherette earpads. FR 20-21,000 Hz; sens 100 dB SPL/W/m; imp 4-16 ohms. 5 oz \$40

ATH-M2X Headphones

Mini plug. Features open-back design with leatherette earpads. Includes phone-plug adaptor. FR 20-20,000 Hz; sens 100 dB SPL/W/m \$30

BEYERDYNAMIC

Unless otherwise noted, all models have a standard phone plug, and weights shown are without cords.

DT 48 Headphones

10-ft coiled cord. Power handling 96.8 mW max; FR 16-20,000 Hz \pm 2 dB; sens 105 dB SPL/W/m; imp 200 ohms. 14 oz \$499

DT 911 Headphones

10-ft coiled cord with gold-plated plug. Features circumaural open design; neodymium magnets. FR 5-35,000 Hz; sens 115 dB SPL/W/m; imp 250 ohms. 9.6 oz \$429

DT 48A Headphones

Reference design. Power handling 200 mW max; FR 16-20,000 Hz; imp 5 ohms \$389

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; sens 115 dB SPL/W/m; imp 250 ohms. 9.8 oz \$389

DT 990 PRO Headphones

Features circumaural design; low-mass diaphragm. Power handling 100 mW max; FR 5-35,000 Hz; sens 96 dB at 1 mV/ch at 1,000 Hz; imp 600 ohms. 7.8 oz \$339

DT 811 Headphones

10-ft coiled cord with gold-plated plug. Features circumaural open design; neodymium magnets. FR 5-30,000 Hz; sens 114 dB SPL/W/m; imp 250 ohms. 8.6 oz \$339

IRS 790 Wireless Headphones

Features interconnectable transmitters for multroom applications; transmitter with adjustable mounting. Mono/stereo switch; independent L/R volume controls; auto mute. Headphone operates on two AA batteries. FR 20-23,000 Hz. 9.5 oz \$339

DT 801 Headphones

10-ft coiled cord with gold-plated plug. Features circumaural closed design; neodymium magnets; bass-reflex system. FR 10-30,000 Hz; sens 114 dB SPL/W/m; imp 250 ohms. 7.8 oz \$299

DT 770 PRO Headphones

Circumaural design with low-mass diaphragms; bass-reflex system. Power handling 100 mW max; FR 5-35,000 Hz; sens 96 dB at 1 mV/ch at 1,000 Hz; imp 600 ohms. 9.5 oz without cord \$299

DT 100 Headphones

Detachable 10-ft coiled and straight cords. Available in various impedances. Power handling 1 W; FR 30-20,000 Hz \pm 3 dB; sens 94 dB SPL/W/m. 12.5 oz with cord \$239

DT 511 Headphones

10-ft coiled cord. Features circumaural semi-open design; neodymium magnets. FR 10-22,000 Hz; sens 114 dB SPL/W/m; imp 600 ohms. 7 oz \$199

DT 102 Headphones

Detachable 10-ft coiled and straight cords. Designed for broadcast, recording, and disco cueing. Available in various impedances. Power handling 1 W; FR 30-20,000 Hz \pm 3 dB; sens 94 dB SPL/W/m \$179

H E A D P H O N E S

DT 411 Open-Air Headphones

10-ft straight cord with mini plug. Cloth-covered ear cushions. Includes phone-plug adaptor. FR 15-20,000 Hz; sens 102 dB SPL/W/m; imp 250 ohms. 4.2 oz \$149

DT 311 Open-Air Headphones

10-ft straight cord with mini plug. Features covered ear cushions; padded headband. Includes phone-plug adaptor. Frequency response 20-20,000 Hz; impedance 40 ohms. 4.3 ounces \$99

DT 211TV Open-Air Headphones

20-ft straight cord. Designed for television viewing. In-line L/R volume controls and mono stereo switch. FR 30-18,000 Hz; imp 40 ohms. 4.2 oz \$69

DT 211. As above, 10-ft cord with mini plug. Without volume controls or mono/stereo switch. Includes phone-plug adaptor \$59

DENON

AH-D950 Headphones

10-ft flat cord with gold-plated mini plug. Features 50-mm vaporized-diamond drivers; neodymium magnets; oxygen-free copper copper-wire voice coils. Simulated-leather earpads. Includes phone-plug adaptor. Frequency response 2-31,000 Hz; sensitivity 106 dB/mW; impedance 30 ohms. 9 oz \$150

AH-D750. As above, 10-ft crystal OFC cord, 50-mm vaporized-titanium drivers. 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-wire voice coils. Simulated-leather earpads. Includes phone-plug adaptor. FR 3-29,000 Hz; sens 106 dB/mW; 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; imp 32 ohms. 7.5 oz \$60

AH-D210 Headphones

10-ft high-purity OFC-wire flat cord with gold-plated mini plug. Features 40-mm high-polymer film drivers; copper-clad aluminum-wire voice coils. Simulated-leather earpads. Includes phone-plug adaptor. FR 5-26,000 Hz; sens 104 dB/mW; imp 32 ohms. 5.6 oz \$50

DISCWASHER

Headphones

PRO 80. Features 40-mm samarium-cobalt drivers \$50
HP 70. Features samarium-cobalt drivers \$45
HP 60 \$40
HP 50 \$30
HP 40 \$24

Earphones

DR-70. Features samarium-cobalt drivers. Includes wind-up storage case \$28
DR-60. Features samarium-cobalt drivers. Includes wind-up storage case \$17.99
Micro 50. Features samarium-cobalt drivers. Includes carrying case \$9.99
Micro 40. Includes carrying case \$7.99
Micro 30 \$4.49
PRO 410. With headband. Features water resistance \$9.99

Open-Air Headphones

PRO 610 \$25
PRO 510. Single-entry cord \$17.99
HP 310 \$11.99
HP 110 \$3.99

GE

WHP-101 Wireless Headphones

100-ft range. Adjustable ear cups; volume control. Includes transmitter, headphone stand, audio cable, and AC adaptor \$199

GEMINI INDUSTRIES

HP15. Includes phone-plug adaptor \$17.99
AS6. Includes phone-plug adaptor \$15.99
AS9. Includes phone-plug adaptor \$13.99
HP13 Earphones. With headband \$8.99
AS3. Adjustable headband \$7.99
AS4 Earphones. Detachable headband \$6.99
AS7 Earphones. Includes cassette-shaped storage case and replacement ear pads \$5.99
HP10 Earphones. With headband \$5.99
AS8. Folding. Includes storage case \$4.99
AS2. Includes phone-plug adaptor \$3.99
AS1 \$2.99
AS5 Earphones \$2.49

GRADO LABORATORIES

The following feature an adjustable headband and foam-covered ear cups.

Prestige SR325 Headphones

7-ft round cord with phone plug. FR 18-24,000 Hz; sens 96 dB; imp 40 ohms. 11 oz \$295

Prestige SR200 Headphones

7-ft round cord with phone plug. FR 20-20,000 Hz; sens 94 dB; imp 40 ohms. 8 oz \$200

Prestige SR100 Headphones

7-ft round cord with phone plug. FR 20-20,000 Hz; sens 94 dB; imp 40 ohms. 8 oz \$150

Prestige SR80 Headphones

7-ft round cord with phone plug. FR 20-20,000 Hz; sens 94 dB; imp 40 ohms. 8 oz \$95

JASCO

Digital Series

HE 458 Wireless Headphones

20-ft range. Volume control. Includes transmitter, receiver, AC/DC adaptor, 3½ and ¼-in RCA adaptor \$85

HE 454 Headphones

Gold-plated mini plug. Features 1½-in samarium cobalt magnets. Adjustable headband. Includes phone-plug adaptor \$30

HE 476 Headphones

10-ft cord with gold-plated mini plug. Features 1½-in samarium-cobalt magnets. Includes phone-plug adaptor. FR 20-20,000 Hz; sens 104 dB; imp 32 ohms \$28

HE 453 Headphones

Gold-plated mini plug. Features 1½-in Mylar-dome drivers. Adjustable volume control; adjustable soft headband. Includes phone-plug adaptor \$22

HE 441 Earphones

Short and long cords with gold-plated mini plug. Includes phone-plug adaptor and carrying case. Frequency response 18-22,000 Hz; sensitivity 104 dB; impedance 32 ohms \$12.49

HE 452 Headphones. 1¼-in Mylar drivers. Soft-foam earpads \$9.95

Lite-Line Series

HE 443 Headphone Package

Includes open-air headphones and earphones. Both feature 4-ft cord. FR 20-18,000 Hz; sens 90 dB; imp 32 ohm \$9.95

HE 456 Earphones

4-ft cord with gold-plated mini plug. Detachable headband. Includes phone-plug adaptor. FR 20-20,000 Hz; sens 100 dB; imp 32 ohms \$9.29

HE 442 Headphones

4-ft cord. Includes pair of mini speakers with 2¼-in drivers. FR 20-18,000 Hz; sens 90 dB; imp 32 ohms \$8.99

HE 436 Earphones

4-ft cord with gold-plated mini plug. Includes storage case. FR 20-20,000 Hz; sens 100 dB; imp 32 ohms \$6.99

HE 435 Earphones

4-ft cord. Includes winding case; set of foam earpads. FR 20-18,000 Hz; sens 96 dB; imp 32 ohms \$3.99

HE 472 Open-Air Headphones

4-ft cord. Features foam ear pads. FR 20-20,000 Hz; sens 98 dB; imp 32 ohms \$3.99

HE 463 Open-Air Headphones

4-ft cord. Features foam ear pads. FR 20-18,000 Hz; sens 90 dB; imp 32 ohms \$2.59

JECKLIN

JJ Float Electrostatic Headphones

14¾-ft cord. Features 3½ x 3½-in 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 I Headphones

9-ft cord. Features 2 dynamic-drive units with thin-membrane diaphragms. FR 35-20,000 Hz; imp 200 ohms. 13 oz \$159

JJ Float II. As above. FR 30-20,000 Hz \$200

JOSEPH GRADO SIGNATURE

HP-1 Headphones

7-ft cord with phone plug. Foam-covered ear cups; hand-stitched leather headband. FR 18-24,000 Hz; sens 96 dB SPL/W/m; imp 40 ohms. 14 oz \$595

HP-2. As HP-1, non-leather headband \$495

JVC

All models, except HA-D990, include a plug adaptor.

HA-W75 Wireless Headphones

10-m range, 24-karat gold-plated plug. Features 40-mm diaphragms; MC design. Bass-boost system; auto power off and mute; L/R volume controls. RCA inputs. FR 16-22,000 Hz; imp 65 ohms; sens 106 dB/mW at 1,000 Hz. 10.3 oz with cord \$260

HA-W55. As above, 30-mm diaphragms. No bass-boost system or auto mute \$160

HA-D990 Headphones

3-m cord with 24-karat gold-plated plug. Features 1½-in diaphragms; MC design; samarium-cobalt magnets. FR 5-27,000 Hz; imp 65 ohms; sens 106 dB/mW at 1,000 Hz. 10.3 oz with cord \$130

HA-D700. As above, FR 5-28,000 Hz, 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; 1¼-in drivers; neodymium magnets. FR 10-26,000 Hz, imp 32 ohms. 9.3 oz with cord \$75

HA-D590. As above, polymer-film diaphragms \$65

HA-D490. As HA-D590, without neodymium magnets. FR 20-20,000 Hz; sens 98 dB/mW at 1,000 Hz. 8.3 oz with cord \$45

HA-CD77 Open-Air Headphones

2-m cord with 24-karat gold-plated plug. Features MC design; 1.2-in polymer-film diaphragms; 1¼-in drivers; square-shaped earcups. FR 15-22,000 Hz; sens 102 dB/mW at 1,000 Hz; imp 32 ohms \$40

HA-D500 Headphones

3-m cord with 24-karat gold-plated plug. Features MC design; 1.2-in polymer-film diaphragms; 1¼-in drivers. FR 10-23,000 Hz; imp 40 ohms; sens 102 dB/mW at 1,000 Hz. 5.3 oz with cord \$40

HA-D400. As above, 2-m cord. FR 20-20,000 Hz; imp 32 ohms; sens 97 dB/mW at 1,000 Hz \$35

H E A D P H O N E S

KENWOOD

- KH-959 Earphones.** 4½-ft OFC cord. Includes soft carrying case. FR 15-25,000 Hz; sens 110 dB/mW. Black \$50
- KH-535 Earphones.** 4-ft cord. FR 18-22,000 Hz; sens 105 dB/mW. Black or white \$30
- KH-R300 Earphones.** Remote control \$30

KOSS

All products feature a lifetime warranty.

ESP/950 Electrostatic Headphones

Features circumaural open-air design; minimal acoustic damping. Includes energizer/amplifier, battery pack, adaptor cords, and leather carrying case \$2,000

JCK/300 Wireless Headphones

Battery-powered. Includes Infrared transmitter and modulator. FR 20-20,000 Hz \$275

JCK 200 Wireless Headphones

Features circumaural design. Includes transmitter and AC adaptor. FR 20-20,000 Hz ± 3 dB \$160

HB/500 Wireless Headphones

500-ft range, mini plug. Neodymium iron-boron magnets; 2-layer free-standing voice coils. Vinyl cushions; adjustable padded headband; L/R volume controls; mono/stereo capability. Operates on 2 AA batteries for 40 hrs. Includes infrared transmitter and AC adaptor. FR 20-20,000 Hz. 7.5 oz \$120

Pro/4XTC Headphones

Semi-open earcups. FR 10-24,000 Hz; sens 100 dB SPL/W/m; imp 93 ohms \$100

Pro/4AA Headphones

1-in voice coils. FR 10-22,000 Hz \$99

PRO/480 Headphones

10-ft coiled cord, mini plug. Features titanium-coated diaphragms. Soft vinyl cushions; adjustable earcups. Includes phone-plug adaptor. FR 10-22,000 Hz; sens 100 SPL/W/m; imp 180 ohms. 9 oz \$80

PortaPro 2000 Headphones

6-ft straight cord, mini plug. Features neodymium iron-boron magnets; 2-layer voice coils; OFC cable. Collapsible storage design. Includes cushions, leatherette carrying case, and gold mini-plug adaptor. FR 10-25,000 Hz; sens 101 SPL/W/m; imp 32 ohms. 3 oz \$70

TNT/88 Headphones

Mini and phone plugs. Features circumaural design; titanium-nitride diaphragms. FR 15-30,000 Hz; sens 94.5 dB; imp 60 ohms \$70

HV/Pro Headphones

8-ft cord, phone-plug adaptor. Features dual-suspension design; in-line volume/balance control \$60

TNT/77 Open-Air Headphones

Gold-plated plug and adaptor. Features titanium-nitride diaphragms. Adjustable temporal pads. FR 15-20,000 Hz; sens 91.5 dB; imp 60 ohms \$60

PortaPro Headphones

L-shaped cord with mini and phone plugs. Folding design; pivoting earcups. 2.5 oz with cord \$50

HV/1A Plus Headphones

10-ft cord. Sponge ear cushions; headband with self-adjusting pivoting yokes. FR 15-35,000 Hz ± 3 dB. 10.1 oz \$50

MAC/7 Headphones

8-ft cord. Closed vinyl ear cushions; adjustable soft-vinyl headband. FR 20-20,000 Hz; sens 95 dB; imp 60 ohms. 5.5 oz \$50

CD/4 Headphones

8-ft cord. Titanium nitride-coated diaphragms. Foam ear cushions; pivoting earcups. FR 20-20,000 Hz; sens 90 dB; imp 60 ohms. 3.3 oz \$45

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 \$40

PortaPro Jr. Headphones

6-ft straight cord, mini and phone plugs. Pivoting earcups; adjustable headband. FR 15-25,000 Hz; sens 101 SPL/W/m; imp 60 ohms. 2.3 oz \$40

TD/75 Headphones

8-ft straight cord, mini plug. Features ferrite magnets. Soft-vinyl closed cushions; in-line volume control; padded adjustable headband. Includes phone-plug adaptor. FR 20-20,000 Hz; sens 95 SPL/W/m; imp 160 ohms. 11.5 oz \$40

TD/70 Headphones

10-ft cord. Closed leatherette ear cushions; in-line volume control. FR 20-20,000 Hz; sens 94 dB; imp 100 ohms. 9.3 oz \$40

TD/65 Headphones

8-ft straight cord, mini plug. Features ferrite magnets; oxygen-free voice coil. FR 20-17,000 Hz; sens 101 SPL/W/m; imp 90 ohms. 5.5 oz \$30

TNT/55 Open-Air Headphones

Phone-plug adaptor. Features titanium-coated diaphragms; self-supporting voice coils. FR 15-25,000 Hz \$30

MAC/5 Headphones

4-ft cord with mini and phone plugs. FR 20-20,000 Hz; sens 95 dB; imp 60 ohms. 3.4 oz \$30

TD/60 Headphones

Mini and phone plugs. Features circumaural design. Pivoting earcups; adjustable headband. FR 18-20,000 Hz \$20

KX 4 Headphones

In-line volume control; foam cushions; adjustable headband. FR 20-20,000 Hz; sens 91 dB; imp 32 ohms \$20

LS/9 Earphones

L-shaped mini plug. Features samarium-cobalt magnets. Collapsible headband. FR 20-20,000 Hz; sens 84 dB; imp 32 ohms \$20

GT/4 Open-Air Headphones

Features neodymium magnets. In-line volume control; adjustable headband \$20

GT/3. As above, without volume control \$15.99

GT/2. As GT/3, with pivoting earcups \$9.99

KX/3 Open-Air Headphones

Replaceable foam cushions; adjustable headband. FR 20-20,000 Hz; sens 91 dB; imp 32 ohms \$16

KX/2. As above, headband not adjustable. FR 20-18,000 Hz; sens 84 dB; imp 16 ohms \$10

LS/7 Earphones

L-shaped mini plug. Removable headband. FR 20-20,000 Hz; sens 98 dB; imp 32 ohms \$15

LS/6 Earphones

L-shaped mini plug. Includes carrying case. FR 20-20,000 Hz; sens 98 dB; imp 32 ohms \$10

Game Phone Headphones

L-shaped mini plug. Designed for portable video games. Foam cushions; pivoting earcups; adjustable headband. FR 20-20,000 Hz. 1.5 oz \$9.99

MB QUART

The following, except Quart Phone 1 X, feature a limited 3-yr warranty.

Quart Phone 85 X Headphones

10-ft coiled cord with phone plug. FR 28-24,400 Hz; sens 92 dB; imp 300 ohms. 9 oz \$299

Quart Phone 805 Headphones

10-ft cord with phone plug. Designed for studio use. FR 10-34,400 Hz; sens 98 dB; imp 300 ohms. 7.8 oz \$199

Quart Phone 95 X Headphones

10-ft coiled cord with phone plug. FR 16-23,500 Hz; sens 96 dB; imp 300 ohms. 7.6 oz \$199

Quart Phone 75 X Headphones

10-ft coiled cord with phone plug. FR 20-20,000 Hz; sens 97 dB; imp 100 ohms. 8.1 oz \$159

Quart Phone 55 X Headphones

10-ft coiled cord with phone plug. FR 10-22,000 Hz; sens 98 dB; imp 100 ohms. 7.8 oz \$139

Quart Phone 45 X Headphones

10-ft coiled cord with phone plug. FR 24-20,100 Hz; sens 98 dB; imp 100 ohms. 7.8 oz \$119

Quart Phone 35 X Headphones

10-ft cord with phone plug. FR 24-20,000 Hz; sens 97 dB; imp 100 ohms. 5.6 oz \$99

Quart Phone 30 X Headphones

10-ft flat cord with phone plug. FR 24-21,800 Hz; sens 102 dB; imp 80 ohms. 5.6 ohms \$89

Quart Phone 1 X Open-Air Headphones

6-ft cord with phone plug. FR 24-22,000 Hz; sens 110 dB; imp 35 ohms. 1.4 oz. Limited 6-month warranty \$29

NADY

WH-95 Audiophile Wireless Headphones

150-ft range. Compact-bodypack designed receiver with transmitter. Transmitter accepts 3 sources. Includes AC adaptor, RCA interconnects, and earphones \$250

WH-90 Wireless Headphones

Crystal-controlled battery-powered transmitter/receiver. On/off switch; volume control. Includes base unit with folding telescopic antenna \$125

Additional earphones \$70

NIKKO

NH 600 IF Wireless Headphones

33-ft range, gold-plated mini and phone plugs. Features samarium cobalt magnets; gold-plated diaphragms; auto-mute circuit; closed-back design. Volume control; adjustable headband; vinyl-covered earcups. Includes 2 AA batteries. FR 20-23,000 Hz ± 3 dB; imp 32 ohms. 10 oz \$159

NH 100 Open-Air Headphones

9-ft ribbon cord with gold-plated mini and phone plugs. Features 2-in drivers; open-back design. Adjustable headband; detachable washable earpads; vinyl-covered earcup. Power handling 100 mW max; FR 15-20,000 Hz; sens 103 dB SPL/W/m; imp 32 ohms. 6.3 oz \$49

NH 50 Headphones

7-ft cord with gold-plated mini and phone plugs. Features samarium-cobalt magnets; 1½-in diaphragms; closed-back design. Adjustable headband; detachable washable earpads; vinyl earcup coverings. Power handling 100 mW; frequency response 20-20,000 Hz; sensitivity 105 dB SPL/W/m; impedance 32 ohms. 3.5 oz \$29

ONKYO

DP-600 Headphones

3-m OFC cord with gold-plated phone plug. 1¾-in drivers; closed housing with open back. FR 4-28,000 Hz; sens 92 dB SPL/W/m; imp 600 ohms \$110

H E A D P H O N E S

DP-400 Headphones

3-m OFC cord with gold-plated mini plug. Features 2-in polymer-film diaphragms; closed housing with open back; neodymium magnets. Includes phone-plug adaptor. FR 4-28,000 Hz; sens 106 dB SPL/W/m; imp 35 ohms \$70

DP-200 Open-Air Headphones

2½-m OFC cord with gold-plated mini plug. Features 1½-in high-polymer film diaphragms; ferrite magnets. Includes phone-plug adaptor. FR 20-22,000 Hz; sens 97 dB SPL/W/m; imp 40 ohms \$40

OPTIMUS BY RADIO SHACK

Unless otherwise noted, the FR of the following headphones is 20-20,000 Hz.

PRO 90 Headphones

8-ft OFC cord with gold-plated phone plug. Features titanium-evaporated diaphragms. FR 10-22,000 Hz \$70

PRO 60 Headphones

8-ft cord, phone plug. Features variable-density ear cushions. FR 15-25,000 Hz. 8 oz \$50

PRO 45. 6½-ft cord, mini plug. Includes phone-plug adaptor \$45

LV-20. 6-ft cord, phone plug. 2-in drivers; ferrite magnets. In-line volume/balance controls \$40

PRO 25. 4½-ft cord, gold-plated mini plug. Features titanium diaphragms. In-line volume control. FR 15-25,000 Hz \$40

Nova 67. 8-ft cord, phone plug. In-line volume/balance controls \$35

Nova 56. 10-ft cord, phone plug \$30

Nova 44. 10-ft coiled cord, phone plug. FR 30-18,000 Hz \$25

Nova 28. 9-ft cord, phone plug. Balance controls on earcups \$20

Nova 43. 5½-ft cord, mini plug \$20

Nova 37. 3¾-ft cord, mini plug \$16

Nova 42. 8½-ft cord, mini plug. Mono/stereo switch; in-line volume control. FR 50-20,000 Hz \$13

Nova 41. 4-ft cord, mini plug \$12

Nova 39. 4-ft cord, mini plug. FR 20-18,000 Hz. \$10

PIONEER

All weights are given without the cord.

SE-M70 Headphones

16-ft 5-in OFC cord with gold-plated mini plug. Features 1½-in ceramic-titanium diaphragms; supra-aural earpad design. Includes phone-plug adaptor. Power handling 1 W/ch; FR 3-50,000 Hz; imp 32 ohms. 9 oz \$105

SE-M50 Headphones

16-ft 5-in cord with gold-plated mini plug. Features 1½-in ceramic-titanium diaphragms; circumaural earpad design. Includes phone-plug adaptor. Power handling 1 W/ch; FR 3-50,000 Hz; imp 32 ohms. 8.1 oz \$75

SE-500D Headphones

9-ft 10-in OFC Litz cord. Features dual-bass-horn 2-way coaxial design. Power handling 1 W/ch; FR 5-25,000 Hz; imp 35 ohms. 6.3 oz \$75

SE-400D Headphones

9-ft 10-in OFC Litz cord. Features dual-bass-horn design; 1½-in diaphragms. Power handling 0.5 W/ch; FR 5-26,000 Hz; imp 35 ohms. 6.2 oz \$65

SE-205 Headphones

8-ft 2-in cord. Power handling 0.5 W/ch; FR 20-20,000 Hz; imp 10 ohms. 1 lb \$48

SE-52 Open-Air Headphones

8-ft 2-in OFC Litz cord. Features 1¼-in polyethylene

diaphragms. Power handling 0.15 W/ch; FR 10-25,000 Hz; imp 40 ohms. 3.7 oz \$47

SE-32. Open-air design. Frequency response 12-22,000 Hz. 3.3 oz \$38

SE-22. Open-air design. 1½-in diaphragms. FR 30-18,000 Hz. 2.2 oz \$32

SE-12. Open-air design. 1½-in diaphragms. FR 80-22,000 Hz. 2.1 oz \$23

RECOTON

W-500 Wireless Headphones. 150-ft range. Receiver built into headset. Mini and phone plugs \$150

W-501B. Extra transmitter for above \$80

W-502B. Extra headset for W-500 \$80

W-507B. Replacement Ni-Cd battery \$12.99

W-200SX Wireless Headphones. Separate receiver for use with any headphones. Includes AC adaptor \$130

W-201SXB. Extra transmitter for above \$60

W-206B. Extra receiver for W-200 SX \$30

HTS Series

HTS-90 Headphones

8-ft cord with gold-plated phone plug. Features 1½-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. Features 1½-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. Features 1½-in samarium-cobalt magnets; titanium diaphragms; aluminum 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. Features 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. Features 1½-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. Features 1½-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. Features 1¼-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

Features circumaural design; 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 Headphones

Mini plug. Features active feed-forward servo mechanism to attenuate frequencies from 100-800 Hz by 10 dB; processor for generating reverse-phase signals to cancel incoming sounds. Belt-clip battery power supply \$990

PLS 200 Audiolink Wireless Headphones

450-ft range. Includes infrared transmitter. FR 30-18,000 Hz \$395

PLS 100. Mono version of above \$290

IS 490 Wireless Headphones

450-ft range. Includes infrared transmitter. L/R volume controls; auto turn-on; active muting. FR 20-20,000 Hz \$349

HD 560 II Headphones

10-ft Kevlar-reinforced OFC cord with mini plug. Features neodymium-ferrous magnets; aluminum driver coils; damped silk diaphragms. Includes phone-plug adaptor. FR 16-30,000 Hz; sens 94 dB SPL/W/m; imp 300 ohms. 8.8 oz \$279

HD 250 II Headphones

10-ft Kevlar-reinforced OFC cord with mini plug. Features closed-cushion design; aluminum voice coils; neodymium-ferrous magnets. Includes phone-plug adaptor. FR 10-25,000 Hz; sens 94 dB SPL/W/m; 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; imp 70 ohms. 5 oz \$229

HD 540 II Headphones

10-ft Kevlar-reinforced OFC cord with mini plug. Features damped silk diaphragms; aluminum voice coils. Includes phone-plug adaptor. FR 16-25,000 Hz; sens 94 dB SPL/W/m; 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; imp 300 ohms. 8.3 oz \$189

HD 520 II Headphones

10-ft Kevlar-reinforced OFC cord with mini plug. Features neodymium-ferrous magnets; aluminum voice coils. Includes phone-plug adaptor. Frequency response 18-22,000 Hz; sensitivity 94 dB sound-pressure level/W/m; imp 300 ohms. 7.5 oz \$169

HD 490 II Headphones

10-ft Kevlar-reinforced OFC cord with mini plug. Features neodymium-ferrous magnets; aluminum voice coils. Includes phone-plug adaptor. FR 20-22,000 Hz; sens 94 dB SPL/W/m; imp 60 ohms. 4.8 oz \$129

HD 480 II Open-Air Headphones

10-ft steel-stranded cord. Neodymium iron magnets; cushioned headband. Replaceable components. Includes phone-plug adaptor. FR 18-22,000 Hz; sens 94 dB SPL/W/m; imp 70 ohms. 4.6 oz \$119

HD 450 Headphones

10-ft cord. Frequency response 20-20,000 Hz; sens 94 dB SPL/W/m; imp 60 ohms. 4.8 oz \$109

HD 450 II Headphones

10-ft Kevlar-reinforced OFC cord with mini plug. Features neodymium-ferrous magnets. Replaceable components. FR 20-20,000 Hz; sens 94 dB SPL/W/m; imp 60 ohms. 4.6 oz \$99

HD 440 II Headphones

10-ft Kevlar-reinforced OFC cord with mini plug. Features radial-bead diaphragm. Includes phone-plug adaptor. FR 20-20,000 Hz; sens 94 dB SPL/W/m; imp 60 ohms \$79

HD 55 Open-Air Headphones

3-ft Kevlar-reinforced OFC cord with mini plug. Features neodymium-ferrous magnets; radial-bead diaphragms; triple-wound voice coils. FR 18-20,000 Hz; sens 100 dB SPL/W/m; imp 32 ohms \$69

HD 435 Headphones

10-ft Kevlar-reinforced OFC cord with mini plug. Features neodymium-ferrous magnets. Includes phone-plug adaptor. FR 22-20,000 Hz; sens 94 dB SPL/W/m; imp 32 ohms \$59

HD 35 Open-Air Headphones

3-ft Kevlar-reinforced OFC cord with mini plug. Features neodymium-ferrous magnets; single-sided cord. Includes phone-plug adaptor. FR 50-18,500 Hz; sens 100 dB SPL/W/m; imp 32 ohms \$49

H E A D P H O N E S

HD 10 Open-Air Headphones

3-ft Kevlar-reinforced OFC cord with mini plug. Includes phone-plug adaptor. Frequency response 50-17,000 Hz; sensitivity 100 dB sound-pressure level/W/m; impedance 32 ohms \$29

SONY

UniMatch plug refers to a mini plug with a screw-on phone-plug adaptor.

MDR-IF610K Open-Air Wireless Headphones

9-m range. Features 30-mm copper-clad-aluminum-wire and neodymium drivers. Auto volume-limiter switch; adjustable headband. Includes 12-LED transmitter and rechargeable battery. FR 20-20,000 Hz. 6 oz without batteries \$200

MDR-V900 Headphones

9.8-ft single-sided linear-crystal OFC coiled cord, gold-plated UniMatch plug. Features 2-in drivers; neodymium magnets; OFC voice coils; diamond-evaporated diaphragms. Reversible earcups for single-side use. Includes carrying case. Power handling 3 W; FR 5-30,000 Hz; sens 107 dB/mW; imp 24 ohms. 10.5 oz without cord \$200

MDR-D77 Headphones

Adjustable 4.9- or 1.6-ft linear-crystal OFC Litz cord, gold-plated UniMatch plug. Features 1 3/8-in drivers; design to allow controlled ambient sound for outdoor listening; diamond-evaporated diaphragms; neodymium magnets; collagen-composite earpads. Folding headband. Includes carrying case. Power handling 1 W; FR 5-30,000 Hz; sens 106 dB/mW; imp 45 ohms. 4.9 oz \$200

MDR-D55 Headphones

Adjustable 4.9- or 1.6-ft linear-crystal OFC cord, gold-plated UniMatch plug. Features 1 1/4-in drivers; neodymium magnets; design to allow controlled ambient sound for outdoor listening. Folding headband. Includes carrying case. Power handling 0.5 W ... \$150

Digital Reference Series

The following feature a gold-plated self-cleaning UniMatch plug.

MDR-CD3000 Headphones

9.8-ft linear-crystal 6N OFC Litz cord. Features 2-In copper-clad aluminum-wire drivers; biocellulose diaphragms; neodymium magnets; organic-fiber-composite earcups; collagen-composite earpads. Self-adjusting headband. Includes carrying case. Power handling 1 W; sens 104 dB/mW; imp 32 ohms. 14 oz without cord \$600

MDR-CD1000 Headphones

9.8-ft linear-crystal OFC Litz cord. Features 2-in copper-clad aluminum-wire drivers; biocellulose diaphragms; neodymium magnets; ceramic-composite earcups; collagen-composite earpads. Self-adjusting headband. Power handling 1 W; sens 104 dB/mW; imp 32 ohms. 10.5 oz without cord \$300

MDR-CD950 Headphones

9.8-ft single-sided linear-crystal OFC Litz cord. Features 2-in copper-clad aluminum-wire drivers; diamond-plated diaphragms; neodymium magnets; ceramic-composite earcups. Self-adjusting headband. Power handling 1 W; sens 102 dB/mW; imp 32 ohms. 10.5 oz without cord \$250

STANTON

SRS-275 Headphones

10-ft coiled cord with phone plug. Features semi-open design. FR 5-22,000 Hz; sens 101 dB SPL/W/m; imp 100 ohms. 8.6 oz \$192

SRS-265 Headphones. Phone plug. FR 5-22,000 Hz; sens 96 dB; imp 100 ohms. 8.6 oz \$162

ST-10 Headphones

7-ft flat-ribbon cord with gold-plated mini plug. Includes gold-plated phone-plug adaptor. FR 10-20,000 Hz; sens 98 dB; imp 50 ohms \$132

SRS-225 Headphones

10-ft cord with phone plug. Features semi-enclosed design with moving-coil drivers. FR 10-22,000 Hz; sens 94 dB; imp 100 ohms. 8.6 oz \$96

ST-Surround Headphones

Stereo/surround switch. FR 20-20,000 Hz; sens 103 dB; imp 50 ohms surround, 32 ohms stereo ... \$84

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

Mini and phone plugs. Folding design. 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



FOR \$699 YOU CAN BRING HOME THE BEST IN THEATER SOUND. AND LEAVE THE WORST OF IT BEHIND.



Introducing the highly affordable Advent Home Theater System. Five proudly crafted speakers that will awaken your living room with the rumble of a passing chopper. Or the grumble of a tyrannosaurus in the brush. With the only coughing, crying and gabbing coming from the set. Just \$699 gets you the Video Shielded Prodigy™ Towers in black oak for front speakers, Mini-Advent rear channel speakers for special effects and the Advent Audio Focus™ shielded center channel for dialogue.

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Sound as it was meant to be heard.

AMERICAN HYBRID TECHNOLOGY

AHT B-Squared Line XLR Connectors
Balanced and gold plated. 1.5-10 m \$390-\$990
1 m \$350

APATURE

Interconnect Cable

Accusound. Silver/Teflon dielectric. 100% shielded.
Black. 2 m \$140
1 m \$100
1/2 m \$85
Accusound. Silver/BL-4 conductor. 100% shielded.
Locking RCA connectors. 2 m \$90
1 m \$70
1/2 m \$60
BL-2 Balanced-Line Poly. Magnetically shielded. 2 m \$60
1 m \$50
1/2 m \$40
AV-Plus. Pure copper dielectric. Red, blue, or brown. 2 m \$50
1 m \$40
AV-Poly Foam Twin. Clear or neon pink \$2/ft

RCA Connectors

90° RCA Adaptor. Right-angle gold-plated jack-to-plug adaptor. 2 pk \$12
Accu-Lock-RCA-Teflon-Split Center Pin \$10
Black Beauty. 5-micron gold and Teflon \$5
Pro Phone Plug \$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
Signature 500. 12 gauge. 518 strands; polyethylene and polypropylene insulation \$3 ft
B1-Wire Ribbon. 16 gauge \$1.25/ft
CL-2-16 Custom Installation Wire. 16 gauge. Designed for multiroom installations; 4 conductors \$1.25/ft
2 conductors \$0.60/ft
SP-518. 12 gauge. 7-wire rope-lay design. Capacitance 21 pF/ft \$1/ft
SP-134. 16 gauge. rope-lay design. Clear or neon pink \$0.60/ft
SP-82. 18 gauge. 82 strands. Clear or neon lime \$0.30/ft

Gold-Plated Connectors

Features copper-brass base with nickel coating and gold plating.

Dual Solderless Banana \$10
Solderless Spade \$4
Solderless Banana \$4
Solderless Pin \$2.50
Single Body Banana. With insulator \$2
Spade. With insulator \$1
Pin. With insulator \$1

AUDIO NOTE

AN-P. Solid-silver RCA plugs. Per set \$200
AN-AI. Tonearm cable. Features polyurethane-coated Litz design \$12.50/ft

Pure-Silver Interconnect Cable

AN-VX. Features quasi-balanced configuration. 2-m pr \$1,600
1 1/2-m pr \$1,300
1-m pr \$900
3/4-m pr \$700
1/2-m pr \$500
AN-V. Quasi-balanced configuration. 2-m pr \$600
1 1/2-m pr \$450
1-m pr \$300
1/2-m pr \$175

Pure-Copper Interconnect Cable

AN-C. Quasi-balanced configuration. 2-m pr \$175



1 1/2-m pr \$150
1-m pr \$125
1/2-m pr \$100

Pure-Silver Speaker Cable

AN-SPX. 20 strands; polyurethane coat \$150/ft
AN-SP. 15 strands; polyurethane coat \$75/ft

Pure-Copper Speaker Cable

AN-L. Self-damping coaxial; Litz \$15/ft
AN-B. As above, non-Litz \$9 ft
AN-D. As AN-B \$5/ft

AUDIOQUEST

AQ AC-12. 12 gauge. AC power cable with Hyperlitz configuration and ferrite RF filter. 2 m \$169

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 \$625
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 \$425
Other lengths, add or subtract per m pr \$250
Emerald Hyperlitz. Teflon-insulated copper strands. Gold-plated RCA or XLR plugs. 1-m pr \$275
Other lengths, add or subtract per m pr \$100
Quartz Hyperlitz. 4 polypropylene-insulated copper 6N conductors. Gold-plated RCA or XLR plugs. 1-m pr \$160
Other lengths, add or subtract per m pr \$60
Ruby Hyperlitz. 4 polypropylene-insulated copper conductors. Gold-plated RCA or XLR plugs. 1-m pr \$95
Other lengths, add or subtract per m pr \$24
Topaz Hyperlitz. As above, solid-OFC conductors. Gold-plated RCA plugs. 1-m pr \$50
Other lengths, add or subtract per m pr \$10
Turquoise Hyperlitz. 4 insulated solid-OFC conductors. Gold-plated RCA plugs. 1-m pr \$30
Other lengths, add or subtract per m pr \$6

Fiber-Optic Cable

Optilink Pro Z. ST standard with 600-MHz bandwidth \$295/pr
Optilink Z. Toslink connector. Blue \$195/m
Optilink Pro. AT&T ST standard connector \$165/m
Optilink X. Toslink connector. Burgundy \$85/m

Digital Cable

Choice of RCA or BNC plugs.

AE5/EBU Pro. Teflon-insulated solid-silver strands. 110 ohms \$225/m
Digital Pro. Symmetrical solids; silver \$140/m
Digital Z. Symmetrical solids; FPC-6 copper \$70/m
Digital X. Symmetrical solids; OFC copper \$35/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) \$10/ft
Crystal Hyperlitz. Long-grain and OFC solid-copper conductors spiraled in Hyperlitz configuration (\$45/pr prep) \$6/ft
Indigo Hyperlitz. 10 polyethylene-insulated solid-OFC conductors in spiraled configuration (\$40/pr prep) \$3.50/ft
F-88. 8 long-grain solid-copper conductors in flat cable. Black or white \$5 ft
Type 4. 4 polyethylene-insulated solid-OFC conductors in spiraled configuration \$2.25/ft
F-18. 8 solid-OFC conductors in flat cable. Brown or white \$1.70/ft
Type 2. Two 3-strand OFC conductors in spiraled configuration \$1.25/ft
F-14. 4 solid-OFC conductors in flat cable. Blue or white \$0.85/ft

AUDIOSTREAM

AS-400G. Gold RCA plug \$5
AS-500G. Gold Banana plug \$3.60

FMS-Black Speaker Cable

6 tubular, helical spiral, OFC conductors.
12-ft biwiring set \$259
20-ft pr \$229
12-ft pr \$139

FMS-Gold Interconnect Cable

4 tubular, helical spiral, OFC conductors.
5-ft pr \$129
3-ft pr \$99

Twinax Interconnect Cable

2 tubular, helical spiral, OFC conductors.
5-ft pr \$69
3-ft pr \$49

Microline Interconnect Cable

Coaxial, double shielded, OFC.
20 ft \$59
3 ft \$39

Timeline Speaker Cable

Helical spiral, OFC 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, OFC, CM rated.
MC-10. 10 conductors \$2/ft
MC-4. 4 conductors \$1/ft
MC-2. 2 conductors \$0.50/ft

Ultraline Speaker Cable

Parallel OFC conductors.
AC-50. Webbed \$0.85/ft
AC-10. Webbed \$0.55 ft
AC-7 \$0.28/ft

BATON

The following feature a 3-yr warranty.

Series 800 Speaker Cable

Available with choice of spade connectors or WBT banana plugs. 6 1/2-ft pr \$675
Each additional ft pr \$100

Series 900 Speaker Cable

WBT and RCA plugs. XLR plugs optional. Shielded.
Per m pr \$495
Each additional 1/2-m pr \$100

C A B L E S & C O N N E C T O R S

BEAR LABS

Silver Lightning Interconnect Cable

Features pure-silver conductors; multiple-gauge stranding; reverse-spin geometry.

With silver-plated Teflon RCA plugs. 1.5-m pr. \$425
 With Teflon/gold DIN and silver-plated RCA plugs. 1 m \$375
 With balanced silver-plated XLR connectors. Per meter pair \$333
 With silver-plated Teflon RCA plugs. 1-m pr. . . \$300

Speaker Cable

Features silver-plated OFC; Mega-Litz geometry of 16 Teflon-Insulated stranded conductors; balanced weave.

Silver Thunder Plus. Solid-silver spade lugs. Per ft pr. \$100
Silver Thunder. Gold-plated spade lugs. Per ft pr. \$85

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

Connectors and Adaptors

Model 30-527-BK. 3-pin XLR plug, right angle. Black. \$6.85
Model 30-526-BK. 3-pin XLR jack, right angle. Black. \$6.50

Model 35-462. 3-pin XLR jack to 1/4-in stereo jack \$6.25
Model 35-463. 3-pin XLR plug to 1/4-in stereo jack \$5.70
Model 35-456. 3-pin XLR jack to 1/4-in stereo plug \$5.25
Model 35-450. 3-pin XLR jack to 1/4-in mono jack \$5.10
Model 35-452. 3-pin XLR jack to 1/4-in mono plug \$4.95
Model 35-457. 3-pin XLR plug to 1/4-in stereo plug \$4.80

Model 35-454. 3-pin XLR jack to RCA plug \$4.70
Model 35-458. 3-pin XLR jack to BNC jack \$4.70
Model 35-460. 3-pin XLR jack to RCA jack \$4.70
Model 35-453. 3-pin XLR plug to 1/4-in mono plug \$4.50
Model 35-459. 3-pin XLR plug to BNC jack \$4.50
Model 35-451. 3-pin XLR plug to 1/4-in mono jack \$4.50
Model 35-461. 3-pin XLR plug to RCA jack \$3.99
Model 35-455. 3-pin XLR plug to RCA plug \$3.96
Model 30-538-BK. 3-pin XLR jack with strain relief. Black. \$3.55
Model 30-528-S. As above, silver \$3.45
Model 30-529-BK. 3-pin XLR plug with strain relief. Black. \$3.45
Model 30-529-S. As above, silver \$2.97

CAMELOT TECHNOLOGY

Excalbur Coaxial Digital Cable

Features 75-ohm transmission; pulse-train optimizer; proprietary ferrite core. RCA connectors \$125

CANTON

Cantolink Speaker Cable

10 gauge \$2.74/ft
 12 gauge \$1.52/ft
 14 gauge \$1.07/ft
 16 gauge \$0.88/ft

CHORD

The following cables, except X42PG, are 6-ft long. X42PG is 4-ft long.

PP4G. 4 gold-plated RCAs to 4 RCAs \$146
MONG. Gold-plated RCA to RCA \$113
X54PG. 5-pin DIN to 4 gold-plated RCAs \$110
2NPG. 2 BNC to 2 gold-plated RCAs \$103
PP2G. 2 gold-plated RCAs to 2 RCAs \$96
X32PG. 5-pin DIN to 2 gold-plated RCAs \$87
X42PG. 4-pin DIN to 2 gold-plated RCAs \$87
X32J. 5-pin DIN to 2 mini jacks \$87

DISCWASHER

Gold-Ens Interconnect Cable

Features gold-plated connectors; molded-nylon insulating sleeves. Available in single- and double-strand configurations.

2-m pr. \$25
 1-m pr. \$23

Gold Ends Interconnect Cable

Double strands with gold-plated ends and pure-copper conductors. RCA connectors.

5-m pr. \$21
 4-m pr. \$18.95
 2-m pr. \$16.95
 1-m pr. \$14.95

ESOTERIC AUDIO

Series II Speaker Cable. OFC conductors. 5-yr warranty \$10.50-\$650/pr

Interconnect Cable

The following are shielded OFC, feature a 5-yr warranty, and are sold in meter pairs. RCA connectors are available.

Arturus. Silver-plated conductor in patented Air-Litz geometry insulation. Locking connectors \$340
Tech III. Patented Air-Litz geometry; twin-symmetry balanced design; XLR connectors \$200
Tech II. Patented Air-Litz geometry; twin-symmetry balanced design; XLR connectors \$180
Primus. Patented 3-barrier geometry insulation \$160
Graphis. Nitrogen-cell foam insulation \$75

Connectors

The following feature gold plating and a locking system with bushings.

Model 14044. 4-way binding post. Copper construction. Gold or rhodium plating \$48/pr
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 pairs \$21
Model 14060. 2-way 3/4-in banana jack. 2 pairs \$17.95
Model 14100. RCA jack. Teflon dielectric. 2 pairs \$15.95

RCA Connectors

The following feature split-center pin design, Teflon dielectric, and 24-karat gold plating. Unless otherwise noted, the following are sold in 2-pair sets.

Model 16220. AL connector. For 0.34 diameter wire \$42
Model 16185. SL connector. For 0.34 diameter wire. 3 pr \$42
Model 16175. ELS connector. For 0.27 diameter wire. 3 pr \$34
Model 16155. EL connector. For 0.27 diameter wire. 3 pr \$28
Model 16180. SL connector. For 0.34 diameter wire \$28
Model 16170. ELS connector. Solderless. For 0.27 diameter wire \$23
Model 16150. EL. For 0.27 diameter wire \$18.95
Model 16024. Easy-link connector. For 0.24 diameter wire \$16.95

er wire \$16.95
Model 15040. Easy-link right-angle connector. For 0.24 diameter wire \$14.95/pr

Adaptors

Model 17020. RCA Y. Solid brass; 24-karat gold plating; solid-copper center jumper wire \$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. As Model 17100, short. \$13.95/pr
Model 17060. RCA plug to RCA plug. Solid brass; 24-karat gold plating; Teflon dielectric \$12.95/pr
Model 17080. As Model 17060, RCA jack to RCA jack \$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-tier 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. As Model 13260, 12 gauge \$25
Model 13270 Inter-Lok Tri-Spade. As Model 13280, 12 gauge \$25
Model 13290 Inter-Lok Bi-Pin. 12 gauge. Solid brass; 24-karat gold-plating; crimpless solderless 360° termination. 2 pr \$25
Model 13300 T-Lok Single Banana. 8 gauge. Stackable. 2 pr \$22

EXPRESSIVE TECHNOLOGIES

IC-1 Interconnect Cable

Balanced design with grounding system. 1-m pair \$600
 Each additional meter \$300
 With XLR connectors \$50

IC-2 Interconnect Cable

Balanced design with grounding system. 1-m pair \$400
 Each additional meter \$150

GEMINI INDUSTRIES

Audio Gold Super Interconnect Cable

The following are shielded.

AV192. Features OFC; gold connectors; RCA plugs. 10 ft \$22.99
AV191. Features OFC; gold connectors; RCA plugs. 3 ft \$17.99
AV291. Features OFC; gold pins; 14 gauge. 15 ft \$15.99
AV290. Features OFC; gold pins; 14 gauge. 8 ft \$8.99
AV189. Features gold connectors; RCA plugs. 6 ft \$8.99
AV188. Gold connectors; RCA plugs. 3 ft \$6.99

GENEVA

PF-837 Double Banana Plug. Gold plating. 2 pack \$12
PF-836 Banana Plug. Gold plating. 2 red, 2 black \$6
Standard Source Interconnect Cable. Replacement-type \$4.99/pr
PF-860 RCA Jack to Mini Plug \$2.99

Performance Series

Speaker Cable. 99.99% OFC cable; 100% copper; gold-plated spade lugs \$85-\$1,250
Interconnect Cable. 11 gauge; 99.99% OFC cable; gold-plated RCA connectors \$46-\$100/pr

INTERNATIONAL COMPONENTS

Speaker Cable

18 gauge. Clear with polarity coding. 50 ft \$3.78
 25 gauge. Clear with polarity coding. 25 ft \$0.92

C A B L E S & C O N N E C T O R S

24 gauge. RCA plug to RCA plug. 12 ft	\$0.64
24 gauge. RCA plug to RCA plug. 25 ft	\$0.58

RCA Series

RCA plug. Solderless gold connector	\$3.13
RCA plug. Gold-plated connector	\$1.86
RCA plug. Gold-plated connector	\$1.53
RCA plugs, set of two metal type	\$1.30
RCA chassis mount connector	\$1.15
RCA plug to mini jack adaptor	\$0.91
RCA jack to jack adaptor	\$0.75
RCA jack to mini plug adaptor	\$0.56
RCA plug to 1/4-in phone jack adaptor	\$0.54
3.5-mm jack to RCA plug adaptor	\$0.47
RCA plugs, one red and one black	\$0.30
RCA jack to mini plug adaptor	\$0.30
RCA jack to 1/4-in phone plug adaptor	\$0.29

Interconnect Cables

Color-coded 4 RCA plugs to 4 RCA plugs. 6 ft	\$2.62
2 RCA plugs to 2 RCA plugs and jacks. 6 ft	\$2.25
2 RCA plugs to 2 RCA plugs. 12 ft	\$1.69
RCA plug to RCA plug. 12 ft	\$1.10
RCA plug to RCA jack. 12 ft	\$0.97
1/4-in phone plug to 3.5-mm mini plug. 6 ft	\$0.90
3.5-mm stereo mini plug to 3.5-mm stereo mini plug. 6 ft	\$0.89
RCA plug to RCA jack. 6 ft	\$0.71
2 RCA plugs to 2 RCA plugs. 6 ft	\$0.69
3.5-mm mini plug to 3.5-mm mini plug. 6 ft	\$0.47
RCA plug to RCA plug. 6 ft	\$0.35

Color Coded 2 RCA Plugs to 2 RCA Plugs

25 ft	\$1.92
12 ft	\$0.97
6 ft	\$0.67
3 ft	\$0.55

Flexible Y Adaptors

Two 1/4-in phone jacks to 1/4-in phone plug	\$1.77
1/4-in stereo plug to 2 RCA plugs	\$1.43
3.5-mm mini plug to 2 mini jacks	\$1.38
3.5-mm stereo mini plug to 2 RCA plugs	\$1.31
1/4-in phone plug to 2 RCA jacks	\$1.01
3.5-mm mono mini plug to 2 RCA jacks	\$0.82
RCA plug to 2 RCA plugs	\$0.71
RCA jack to 2 RCA plugs	\$0.43
RCA plug to 2 RCA jacks	\$0.40

Stereo Series

1/4-in stereo phone plug, metal shielded	\$1.27
3.5-mm mini stereo jack to 3.5-mm mini mono plug adaptor	\$0.75
2.5-mm sub-mini stereo plug	\$0.60
1/4-in stereo plug to 3.5-mm mini mono jack adaptor	\$0.47
3.5-mm mini stereo plug to 1/4-in stereo phone jack adaptor	\$0.44
3.5-mm mini plug, metal shielded	\$0.32
1/4-in mono phone plug to 3.5-mm stereo mini-jack adaptor	\$0.32
1/4-in stereo phone plug to 3.5-mm mini stereo jack adaptor	\$0.28
1/4-in stereo phone plug	\$0.23
3.5-mm mini stereo plug	\$0.23

Audio Mono Series

1/4-in mono jack to 3.5-mm mono plug adaptor	\$0.43
1/4-in mono phone plug	\$0.33
2.5-mm sub-mini mono plug	\$0.16
3.5-mm mini mono plug	\$0.15

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 coding. Set of 4	\$50
Gold plating	\$44

Sure-Loc Banana Plugs

Machined brass; rhodium plating; expanding pin locks into binding post hole; knurled knob; color coding. Set of 4	\$44
Gold plating	\$40

Gold-Plated Banana Plugs

Machined brass; for wire up to 7.5 gauge; knurled knob; stackable; color coding. Set of 4

Gold-Plated Amp Terminals

Machined gold-plated brass; accepts up to 10 gauge wire; color coding. Includes isolation washer, solder lug, and nuts. Set of 4

Gold-Plated Clip Adaptor Plugs

Allows speaker wire up to 10 gauge to be used with push-type connectors; color coding. Set of 4

JASCO

HE 8881 Speaker Cable. Features pure-copper strands; PVC insulation. 20 ft

Speaker Cable

Features copper strands; 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

Shielded design with 2 RCA plugs per end.

15 ft	\$3.35
6 ft	\$1.85
3 ft	\$1.70

Shielded design with RCA plug on each end.

12 ft	\$1.70
6 ft	\$1.35

Connectors and Adaptors

Model 1251. Set of adaptors designed for headphones. Adaptors includes stereo mini jack to mono mini plug, stereo phone jack to stereo mini plug, and stereo mini jack to stereo phone plug \$2.35
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. In-line extension adaptor with RCA jack on each end \$0.85

JVC

XN-700PRO Series Fiber-Optic Cable

Features 3-layer protective structure; 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 RCA 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; 75-ohm impedance.

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; 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
CN-605HG. 1/2 m	\$25

VX-400HG Series Interconnect Cable

Features LC-OFc copper; 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

Speaker Cable

Reference Series Model #88

4 or 8 gauge. Features proprietary magnetic diffusing; solid core silver conductors; mechanical and magnetic damping. Custom lengths available. Per 8-ft pair

Model 8 AG. Pure silver; 16 conductors	\$180/ft
Model 4 AG. Pure silver; 8 conductors	\$100/ft
Model 8 TC. Copper; 16 conductors	\$8.60/ft
Model 4 TC. Copper; 8 conductors	\$4.60/ft
Model 8 VS. 16 conductors	\$3.60/ft
Model 4 VS. 8 conductors	\$2.20/ft
Model 8 PR. Premium copper	\$1.60/ft
Model 4 PR. As Model 8PR, smaller braid geometry	\$1/ft

Interconnect Cable

KCTG Silver Series. Braided pure silver with proprietary Varistrand geometry. Ultraconnect phono or XLR connectors \$650/m

KCAG Silver Series. As above, smaller braid geometry \$350/m

KC1. Unshielded version of above; copper conductor with 3-wire braided Varistrand geometry. Ultraconnect phono or XLR connectors \$76/m

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. 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

Kimber Phono Connectors. Constant dynamic pressure connectors. UltraPlate alloy for high conductivity. Phono plugs or chassis jacks \$25/pr
PostMaster. Patented spade connector sold to increase surface conductivity between speaker wire and 5-way binding posts. Available in 0.25- or 0.33-in sizes \$20/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

C A B L E S & C O N N E C T O R S

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

Phantom Connectors. To upgrade Dragonfly Wings purchased before April 1, 1993 \$50

Speaker Cable and Connectors

SWT-2. Music Plug termination. Set of 8	\$240
SWQ-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

MEMOREX

Headphone Extension. 20-ft 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
In-line Connector. RCA to RCA	\$1.79

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 Cable

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-impedance multiple-conductor construction with MicroFiber; 12-cut Turbine connectors. 2 RCA plugs to XLR plug. 20-ft pr \$1,700
2 RCA plugs to XLR plug. 2-m pr \$1,100

2 RCA plugs to XLR plug. 1-m pr	\$950
XLR jack to XLR plug. 20-ft pr	\$1,650
XLR jack to XLR plug. 2-m pr	\$1,050
XLR jack to XLR plug. 1-m pr	\$900

M Series M1500

Features balanced-impedance design; 12-cut Turbine connectors. 0.5-6 m pr	\$240-\$980
With ground-control connection. 1-m pr	\$410

M Series M1000 MkIII

Phase-aligned bandwidth-balanced design with 12-cut Turbine connectors and MicroFiber Insulator. 0.5-6 m pr	\$150-\$600
With ground-control connection. 1-m pr	\$235

M Series Lightspeed ST

Jitter-free fiber-optic cable with ST-type connectors. Toslink connectors available. 0.5-2 m	\$100-\$200
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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	\$7/ft
M Series M550. As M Series M850, 8-cut Turbine connector. 0.5-6 m	\$45-\$200
From spool	\$5/ft

M Series Silver Digital

Wide bandwidth low-capacitance 75-ohm digital coaxial cable. 0.5-2 m	\$70-\$130
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M Series Speaker Cable

M Sigma 2

Features balanced impedance; magnetic flux core; 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

Features MicroFiber dielectric designed to reduce intertransient noise and transient interference; X-Terminator banana-plug connectors. Includes carrying case. For 25-foot pair	\$550
From spool	\$10/ft
With M-Spades. 4-25 ft	\$125-\$500/pr

M1.5

Features balanced impedance; MicroFiber technology; Magnetic Flux Tube construction; solderless spade connector. 4-25 ft pr	\$250-\$1,000
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M.75

Time Correct 4-conductor cable featuring Multi Twist and IsoTec construction. 4-15 ft	\$75-\$170
From spool	\$5/ft

MCX-4

4-conductor cable featuring Multi Twist and IsoTec construction. Two time-correct conductors. 4-15 ft	\$55-\$100
From spool	\$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. 4.5-7.5 m	\$150-\$200/pr
From spool	\$3.75/ft
Powerline II Plus. Smaller version of Powerline II Plus. Underterminated	\$2/ft

New Monster Cable

Time correct windings; Magnetic Flux Tube construction. Angled gold pins with Lock Notch. In lengths from 10-50 ft	\$40-\$150/pr
From spool	\$1.50/ft
New Monster Cable Navajo White. Above designed for home theater systems. From spool	\$1.55/ft

Original Monster Cable

New strand configuration. Universal gold-plated connectors with lock-notch. 3-15 m	\$35-\$125/pr
From spool	\$1.25/ft

Monster XPHP

Time correct windings; Magnetic Flux Tube construction. From spool	\$1/ft
Monster XPHP Navajo White. Above designed for home theater systems. From spool	\$1.05/ft

Monster XP. From spool	\$0.50/ft
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Connectors and Adaptors

Precision Gold Banana Connectors

Solid-shaft design. 2 pk	\$100
X-Terminator II. 2 pk	\$120
X-Terminator. 2 pk	\$60
Powerconnect 2. 2 pk	\$40

Phonolink Precision Turbine-Cut RCAs

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

Gold Spade Connectors

M Series	\$20
Regular	\$10
Mini	\$8

Phonolink Right-Angle Turbine RCA Connector

Fits Interlink 500, Interlink 400, and Interlink 300 interconnect cable	\$20/pr
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Turbine Y Adaptor

Plug-to-two-jack RCA Y-adaptor; 24-karat gold plating	\$20/pr
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Monster Tips

Gold-plated banana connectors with 9 beryllium-copper leaf springs. M Series, 2 pk	\$14
Regular, 2 pk	\$12
Mini, 2 pk	\$12

Angled Gold Pin

Features 60-degree angle for stress reduction. M Series, 4 pk	\$12
Regular, 4 pk	\$8
Mini, 4 pk	\$8

Right-Angle RCA Adaptor

Plug-to-jack RCA adaptor with 90-degree bend; 24-karat gold plating	\$12/pr
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Phonolink Precision Gold RCA Connectors

Fits Interlink 300, Interlink 301, and Interlink CD. Phonolink 300, 2 pk	\$8
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Interlink Interconnect Cable

Interlink Reference II

3-wire multiple-gauge network for each conductor; Turbine connectors. 0.5-6 m pr	\$75-\$350
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Interlink 800

Comprised of 2 multiple-gauge bandwidth-balanced wire networks. Features 12-cut Turbine connectors. Lengths from 0.5-6 m	\$60-\$280
From spool	\$6/ft

Interlink 500

Bandwidth-balanced construction; dual conductors; 8-cut Turbine connector. 0.5-6 m	\$40-\$180
From spool	\$4/ft

Interlink Lightspeed 100

Fiber-optic cable with polished low-loss connectors. 1-6 m	\$40-\$75
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Interlink 400

Bandwidth balanced design; 8-cut Turbine connectors. 0.5-6 m	\$30-\$93
From spool	\$1.60/ft

C A B L E S & C O N N E C T O R S



Ora
Electronics
SQ-6

Interlink 400 Portable

Interlink 400 cable in special configuration for portable A/V components. 0.75-1.5 m \$30-\$40

Interlink CD. Designed for use with CD players. 1-6 m pr \$30-\$76
From spool \$1.50 ft

Interlink Datalink 100 Coaxial Digital Cable. Braided shielding. 0.5-1.5 m \$30-\$45

MUSEATEX

Musetax Crypton Speaker Cable

Cryogenically treated to improve conductivity; made from individually insulated OFC wires; gold-plated connectors. Several lengths. 4-ft pr \$350

Musetax Crypton Interconnect Cable. As above. 3-ft pr \$200

ORA

SGQDUB12 A/V Cable. 2 RCA plugs to 2 RCA plugs. Color coding. 12 ft \$14.95
SGQDUB9. As above, 9 ft \$11.95
SGQDUB6. As above, 6 ft \$8.95
SGQDUB3. As above, 3 ft \$6.95

GCX90-2 90° RCA Connector. Gold-plated screw lock \$11.95

BNX18. Gold-plated banana plugs \$10.95

RMFGL90 A/V Connector. 90°; standard size. 24-karat gold-plated RCA plug \$10.45

SQ-HS-6 Stereo Cable. Plug to jack. 6 ft \$8.95

OFS Shielded OFC Cable. For remote turn-on applications. Copper cable with gold-plated connectors. Various lengths, starting at \$8.50

BNA90-2 Banana Plug Set. Thumb-screw locking system; electroplated 24-karat gold-plating. Up to 8-gauge wire \$8.50

OFX RCA-to-RCA Cable. OFC with gold-plated color-coded connectors. 1, 3, 12, 15, or 20 ft \$6.99-\$18

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

FPP-6. Push-On F-To-F Cable. 6 ft \$4.75

FPP-3. As above, 3 ft \$3.60

RMG290. 90° 24-karat gold-plated RCA plug \$4.05

A2R2J-6F Dual RCA Extension Cord. Plug to jack. 10 ft \$3.99

A2RJ-10.	As above, 6 ft	\$3.45
BNSA49	Single Banana Plug. Color coded	\$3.99
A2R2LR-4	A/V Patch Cord. 2 RCA to 2 right-angle RCA. 4 ft	\$3.50
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
RFG248.	24-karat gold-plated RCA jack	\$2.99
RMG249.	24-karat gold-plated RCA plug	\$2.99
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

OFC Speaker Cable

The following feature pure OFC wiring with 36-gauge stranding and a 60°C clear flexible jacket.

SW-OF9-2.	250 ft. 9 gauge, 525 strands	\$313
SW-OF12-2.	250 ft. 12 gauge, 259 strands	\$163
SW-OF15-2.	250 ft. 15 gauge, 147 strands	\$135
SW-OF9-1.	100 ft. 9 gauge, 525 strands	\$130
SW-OF12-1.	100 ft. 12 gauge, 259 strands	\$63
SW-OF15-1.	100 ft. 15 gauge, 147 strands	\$55

Superior Quality Interconnect Cable

The following feature heavy-gauge shielding and color-coded connectors.

SQ-20.	20 ft	\$15.50
SQ-15.	15 ft	\$11.70
SQ-12.	12 ft	\$10
SQ-6.	6 ft	\$7.50
SQ-3.	3 ft	\$5.30
SQ-1.	1 ft	\$4.50

RCA Adaptors

RMFGS90.	1 plug to 1 jack 90° adaptor	\$10.45
RMFGL90.	As above, longer	\$10.45
T2M1FG.	T-adaptor. 2 plugs to 1 jack	\$8.95
T2F1MG.	T-adaptor. 1 plug to 2 jacks	\$8.45
T3FG.	T-adaptor with 3 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

PIONEER

JLL-AP115T Fiber-Optic Cable

Features 3-layer construction; bundled quartz glass-fiber core; connector with metal ferrule \$100

PORTLAND INSTRUMENTS

Taperwire Speaker Cable

Features 3/4-in wide single-sided tape.

Model 218R.	18 gauge	\$0.58/ft
Model 222R.	22 gauge	\$0.50/ft
Model 224R.	24 gauge	\$0.44/ft

PRISMA

Prisma-Link Coaxial Digital Cable

20 gauge. Designed to connect a CD transport and a D/A converter. Gold-plated RCA plugs \$85/m

Dual-Channel Interconnect Cable

174-strand OFC with polyfoam insulation; PVC outer jacket. Directional; marked with arrows. Gold-plated RCA plugs. 1/2 to 3 m \$55-\$85

Speaker Cable

T.C.	Time compensated. Features 3 sizes of OFC/Litz wire; Soflex PVC insulation. 7 1/2-20 ft	\$183-\$445/pr
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 coding \$16/pr
Gold-Plated RCA Chassis Jack. Machined brass; Teflon dielectric. Color coding \$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

Megacable Speaker Cable

12 gauge. Features braided pure-copper conductors. Clear plastic insulation \$0.99/ft

Interconnect Patch Cable

Models 42-2601 to 42-2606 feature gold-plated connectors.

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.	2 phono plugs to 2 phono plugs. 6 ft	\$11.95
Model 42-2601.	2 phono plugs to 2 phono plugs with strain relief. 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	\$8.99
Model 42-2354.	As above, 3 ft	\$6.99

Model 42-2356.	1 phono plug to 1 phono plug on shielded cable. 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.	1 phono plug to 1 phono plug. 3 ft	\$3.89
Model 42-2353.	2 phono plugs to 2 phono jacks. 3 ft	\$3.99

Shielded Interconnect Cable

Unless otherwise noted, each cable is 6-ft long.

Model 42-2157.	1/8-in mini plug to 1/4-in stereo plug	\$3.99
Model 42-2368.	Phono plug to phono plug. 12 ft	\$3.49
Model 42-2363.	Phono plug to phono jack. 12 ft	\$3.49
Model 42-2381.	1/4-in phone plug to 1/4-in phone plug	\$3.49
Model 42-2373.	1/4-in phone plug to phono plug	\$3.29
Model 42-2472.	1/8-in mini plug to 1/8-in mini jack	\$3.29
Model 42-2440.	1/4-in phone plug to 90° phono plug	\$2.99
Model 42-2433.	1/4-in phone plug to 1/8-in mini plug	\$2.99
Model 42-2377.	1/4-in phone plug to phono jack	\$2.99
Model 42-2358.	Phono jack to phono jack	\$2.59
Model 42-2362.	Phono plug to phono jack	\$2.49
Model 42-2367.	Phono plug to phono plug	\$2.49
Model 42-2420.	1/8-in mini plug to 1/8-in mini plug	\$2.49
Model 42-2434.	1/8-in mini plug to stripped ends	\$2.39
Model 42-2421.	1/8-in mini plug to alligator clips	\$2.39
Model 42-2372.	Phono plug to tinned wire	\$2.29
Model 42-2361.	Phono jack to phono plug. 3 ft	\$2.29
Model 42-2444.	1/8-in mini plug to phono plug	\$2.19
Model 42-2371.	Phono plug to tinned wire	\$1.99
Model 42-2366.	Phono plug to phono plug. 3 ft	\$1.99
Model 42-2365.	Phono plug to phono plug. 1 1/2 ft	\$1.79
Model 42-2370.	Phono plug to tinned wire. 3 ft	\$1.69

C A B L E S & C O N N E C T O R S

Gold-Plated Connectors and Adaptors

Model 274-879. Adapts two 1/8-in mini plugs to one 1/8-in mini plug	\$3.99
Model 274-855. 2-conductor mono 1/4-in phone plug	\$3.59
Model 274-858. 3-conductor stereo 1/8-in phone plug	\$3.59
Model 274-875. Adapts 1/4-in phone plug to 1/8-in mini plug	\$2.99
Model 274-876. Adapts 1/8-in mini plug to 1/4-in phone plug	\$2.99
Model 274-850. Phono plug with strain relief	\$2.59
Model 274-852. Phono plug, 2 pk	\$2.59
Model 274-873. Phono-jack coupler	\$1.99
Model 274-874. Phono-plug coupler	\$1.99

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 ft	\$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

Magnum Series Speaker Cable

12 gauge. Includes connectors.	
SW 1230SP. 30 ft	\$38
SW 1220SP. 20 ft	\$30
SW 1210SP. 10 ft	\$17.49

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

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 jack to 2 RCA plugs; gold-plated connectors	\$3.99
ACG Y 2. 2 RCA jacks to RCA plug; 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

Power Cable

AC 330. Polarized cord. For Panasonic portables	\$3.99
AC 328. As above, for Sony	\$3.99

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 n-line jack; chrome plating. 1 pr	\$2.39

SIGNET

Interconnect Cable

AT6D51/1.0 Fiber-Optic Cable. Ceramic/polyethylene insulation; gold-plated connectors. 1 m	\$200
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OCC2. PC-OCC center conductors; braided shielding; gold-plated RCA connectors. 6-ft pr	\$90
3-ft pr	\$75
1 1/2-ft pr	\$65

OCC1. PC-OCC center conductors; braided shielding; gold-plated RCA connectors. 6-ft pr	\$50
3-ft pr	\$40
1 1/2-ft pr	\$35

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

Speaker Cable

MLA-500. Multiple-strand OFC	\$1.15/ft
MLS-1000. Multiple-strand OFC	\$0.35/ft
HT18. 18 gauge	\$0.16/ft

SONANCE

In-Wall Banana Jacks

AJ12. For 6 speakers	\$75
AJ8. For 4 speakers	\$63
AJ4. For 2 speakers. Decora style available	\$35
AJ2. For 1 speaker. Decora style available	\$20

In-Wall Binding Posts

AT12. For 6 speakers	\$59
AT8. For 4 speakers	\$43
AT4. For 2 speakers. Decora style available	\$24

AT2. For 1 speaker. Decora style available	\$15
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In-Wall RCA and F-Connector Jacks

Decora styling available.

RCAFT3. For 2 audio signals and one RF video signal	\$17
RCAT3. For 3 audio signals	\$17
FT3. For 3 RF video signals	\$15
RCAT2. For 2 audio signals	\$15
FT2. For 2 RF video signals	\$12
FT1. For 1 RF video signal	\$9.25

Cable

Features foot-length markers on jacket.

14/4. 14-gauge 4-conductor speaker cable	\$.63/ft
16/4. 16-gauge 4-conductor speaker cable	\$.45/ft
14/2. 14-gauge 2-conductor speaker cable	\$.35/ft
ROAR Cable. Flat infrared-repeater cable	\$.32/ft
RG-6U. 18-gauge quad-shielded copper-covered steel coaxial cable	\$.30/ft
18/4. 18-gauge 4-conductor speaker cable	\$.29/ft
16/2. 16-gauge 2-conductor speaker cable	\$.26/ft
18/2. 18-gauge 2-conductor speaker cable	\$.17/ft

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-\$60/pr	
Bulk	\$2/ft

DL-1 Dual Interconnect Cable

Features OFC with multiple-strand center conductor; polyethylene dielectric coating; polyvinyl-chloride jacket; 24-karat gold-plated RCA connectors. 0.5-5 m

\$28-\$60/pr	
Bulk	\$1.25/ft

HRV-1 Interconnect Cable

Features oxygen-free silver-plated copper with fine-stranded center conductor; 24-karat gold-plated connectors. 1-5 m

\$18-\$35	
Bulk	\$1/ft

Speaker 120. 12-gauge speaker cable	\$.75/ft
Speaker 160. 16-gauge speaker cable	\$.40/ft

STRAIGHT WIRE

Speaker Cable

Virtuosc. Foam Teflon dielectric. 10-ft pr	\$1,150
Per bulk ft	\$50
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. Various colors and configurations	\$1.20/ft

Interconnect Cable

Virtuosc. Microporous foam Teflon dielectric. 1-m pr

\$450	
Additional m-pr	\$300

Maestro. Microporous foam Teflon dielectric; clear jacket over white polymer fiber braid. Balanced and

C A B L E S & C O N N E C T O R S

unbalanced versions available. 1-m pr	\$275
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	\$100
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	\$60
Additional m-pr	\$24
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 OFC; shielded coverage; navy PVC jacket; gold plugs. 1-m pr	\$29
Additional m-pr	\$8
Harmony. Foam Teflon dielectric. 1-m pr	\$19.95
Additional m-pr	\$5

Coaxial Digital Cable

Mega-Link. Foam Teflon insulation; individually insulated silver composite strands; available with gold RCA, BNC, or F connectors. Per meter	\$120
Additional meters	\$70
Silver-Link. 75-ohm coaxial with silver-plated OFC conductors and polyethylene foam dielectric. Per meter	\$49
Additional meters	\$16
Video-Link. Digital cable with black jacket and gold plugs. BNC, F, or other connectors available. Per meter	\$19
Additional meters	\$6

SYMDEX

Speaker Cable

Features solid-core 24-gauge OFC conductors insulated with Teflon.

Omega. 10-ft pr	\$900
Beta. 10-ft pr	\$460
Alpha. 10-ft pr	\$240

Interconnect Cable

Features solid-core 24-gauge OFC conductors insulated with Teflon.

Delta. Meter pr	\$500
Kappa. Meter pr	\$250
Lambda. Meter pr	\$125

TARA LABS

Rectangular Solid Core Speaker Cable

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

Rectangular Solid Core Master. Interconnect cable. 2 m

2 m	\$635
1.5 m	\$515
1 m	\$395

Rectangular Solid Core Reference. Interconnect cable. 2 m

2 m	\$310
1.5 m	\$255
1 m	\$195

Prism. Interconnect cable. 2 m

2 m	\$47/pr
1.5 m	\$39/pr
1 m	\$29/pr
Each additional meter	\$18

Classic Series

Digital Master	
2 m	\$990

1.5 m	\$795
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1 m	\$595
Each additional meter	\$395

Digital Reference

2 m	\$310
1.5 m	\$255
1 m	\$195
0.6 m	\$180

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

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-QL601-75. Speaker cable, non-terminated. 246 ft	\$1,500
CA-QL601-3.0. As above, 9.8 ft	\$70

CA-QL301-1.5. Interconnect cable. 5 ft	\$82
CA-QL301-1.0. As above, 3.3 ft	\$76

TRANSPARENT

Speaker Cable

MusicaWave Reference. Spade to spade. 3-25 ft	\$3,300-\$4,750/pr
MusicaWave Ultra. Spade connector to spade connector. 3-25 ft	\$1,800-\$2,850/pr
MusicaWave Super. Spade connector to spade connector. 3-25 ft	\$900-\$1,850/pr
MusicaWave Plus. Spade connector to spade connector. 3-25 ft	\$390-\$875/pr
MusicaWave. Spade to spade. 3-25 ft	\$220-\$420/pr
The Wave. Banana to banana. 8-25 ft	\$160-\$360/pr
Musichord. Pin to banana. 8-25 ft	\$90-\$175/pr

Adaptors for any of the previous	\$12-\$30
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Interconnect Cable

The following are sold in 3-25 foot lengths.

Balanced MusicaLink Reference.	\$3,000-\$3,650
MusicaLink Reference.	\$1,700-\$3,000
Balanced MusicaLink Ultra	\$1,500-\$2,150
MusicaLink Ultra	\$800-\$1,270
Balanced MusicaLink Super	\$800-\$1,450
Balanced MusicaLink Plus	\$450-\$1,035
MusicaLink Super	\$425-\$895/pr
Balanced MusicaLink	\$200-\$630/pr
MusicaLink Plus	\$225-\$550/pr
MusicaLink	\$130-\$370/pr
The Link	\$85-\$320/pr
Musichord	\$40-\$170

VAMPIRE WIRE

14-4Cl. Cl-3 rated OFC. 14 gauge x 4 conductors	\$1.25/ft
16-4Cl. As above, 16 gauge x 4 conductors	\$1.15/ft
16-2Cl. As above, 16 gauge x 2 conductors	\$.1/ft
14-2Cl. As above, 14 gauge x 2 conductors	\$0.75/ft
18-2Cl. As above, 18 gauge x 2 conductors and drain wire	\$0.50/ft

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

MC Gold. Balanced cable with 2 matched crystal-stranded conductors of silver/gold-clad copper; braided and continuous-foil shield

Thunder Line. Balanced cable with 2 matched crystal-stranded conductors of silver-clad copper. Braided shield

DI/1. 70-ohm coaxial. Continuous-cast copper center conductor and braided shield. Shield over continuous conductive plastic and foam dielectric. Terminated with Vampire OX connector

D-102 MkIII. Balanced cable with 2 matched crystal-stranded conductors of silver-clad copper. Braided and continuous-foil shield

D-300 MkIII. Coaxial design with solid 22-gauge center conductor. Crystal-stranded silver-clad copper conductors; braided and continuous-foil shield

Connectors and Adaptors

Model 800C. RCA-plug pure silver interconnect; entire body made from single piece of OFC; gold plated. 7-8.3 mm in diameter

XLR/M. For balanced applications. Gold-plated OFC pins. For cable 6-10 mm in diameter

XLR/F. For balanced applications. OFC sleeves. For cable 6-10 mm in diameter

Speaker Cable

Sound Tube III. 8 gauge. 12 separate continuous-cast copper conductors; may be strapped for biwire or triwire use

Sound Tube II. 10 gauge. 6 separate continuous-cast copper conductors; may be strapped for biwire use

SC-1108. 4 individual color-coded internal conductors; 277-strand silver-clad OFC; may be strapped for biwire use

Sound Tube I. 12 gauge. 6 separate continuous-cast copper conductors; may be strapped for biwire or triwire use

WESTWOOD ELECTRONICS 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

YAMAHA

YOX-1100EX. Fiber-optic cable. 1-m pr	\$12
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ACOUSTEX

Speaker Grille Fabric

Designed for 98% sound transparency. Features wool appearance. Choice of 50 colors. Standard width 66 in. 8.8 oz per square yard \$28/yd

ACOUSTIC SCIENCES

Shadow Caster. Acoustic panels that provide absorption and diffusion. Oak finish with black fabric cover. 30 x 48 x 4 in. \$629/pr

Tower Stouts. Cylindrical sound-absorbing panels to control sound reflections and resonances. Handles frequencies down to 60 Hz. 15-in diameter x 48 in. \$495/pr

Tower Slims. As above, handles frequencies down to 90 Hz. 10-in diameter x 72 in. \$395/pr

Wall Panels. Acoustic panels designed to handle midrange and high frequencies. 14 x 36 in. \$40

ADCOM

All speaker selectors handle power outputs up to 200 W.

ACE-515 AC Line Enhancer/Sequential Switcher
Provides RF and EMI power-line filtration and surge protection for up to 2 amplifiers and 4 other components; provides sequential turn-on or -off of all connected devices. 17 x 3 x 6 in; 6 lb \$180

GFS-6 Speaker Selector

Switches among or simultaneously drives up to 6 speaker pairs. Features constant-impedance design. 17 x 3 x 6 in; 6 lb \$160

GFS-4 Speaker Selector

For up to 4 speaker pairs. 5-way binding posts. 17 x 3 x 6 in; 6 lb \$150

GFS-3 Speaker Selector

Switches among or simultaneously drives up to 3 speaker pairs. Features constant-impedance design. 8½ x 3 x 6 in; 3 lb \$100

ADD 'N STAC

Storage Units

CDR60WS. Vertical or horizontal hanging CD rack with classic-style walnut woodgrain finish. Features spring-loading mechanism. Holds 60 CDs ... \$29.99

CDD40WG. Gold-trim 2-drawer CD cabinet with classic-style walnut woodgrain finish. Holds 40 CDs \$19.99

ACR40WS. Vertical or horizontal hanging cassette rack with classic-style walnut woodgrain finish. Features spring-loading mechanism. Holds 40 cassettes \$19.99

ACD42WG. Gold-trim 3-drawer audio cassette cabinet with classic-style walnut woodgrain finish. Holds 42 cassettes with boxes, 60 without \$14.99

ALLSOP

Model 72500 Audio Isolators. Dampens and reduces vibrations. 4 pk \$29.95

Model 18592 DCC Cleaning System. Non-abrasive wet system for record/play head, capstan, and pinch roller \$29.95

Model 19333 Automatic CD Cleaner. Wet/dry radial cleaning. 20-sec clean cycle \$29.95

Model 18613 CD Finishing System. Helps protect disc surface and remove scratches \$24.95

Model 18962 Crystal Clear Storage System. Holds 36 CDs. Stackable \$24.95

Model 18963 Black Diamond Storage System. Holds 36 CDs. Spring loaded, stackable \$24.95

Model 18965 Crystal Clear Spring Disc. As above, holds 30 CDs \$24.95

Model 74000 Ultraline Cassette Cleaner. Wet-type cleaner for cassette-deck heads, capstan, and pinch roller. Includes refill kit, storage pouch \$19.95

Model 73000. As above, with storage base and pouch. No refill kit \$11.95

Model 71000. As 73000, without storage base. Non-refillable \$7.95

Model 71010. Refill kits for Model 73000 and Model 74000. Includes fluid, cartridges, and tweezers \$5.95

Model 16681 CD Laser Lens Cleaner. 8-brush system removes dust and debris \$19.95

Model 18612 Electronic Demagnetizer. Eliminates magnetic charge from audio heads \$15.95

Model 51000 CD Cleaner. Gear-driven radial cleaning system with lint-free cotton pads and solution \$14.95

Model 5150. 3 replacement pads for above \$2.95

Model 52010 CD Organizer. Slotless holder for 25 CDs. Stackable; wall mountable \$9.95

Model 79100 Universal Cleaning Solution. For A/V components and CDs. 2-oz bottle \$4.95

Model 19330 CD Fast Wipes. Lint-free wipes with storage pouch. 12 pk \$3.95

Model 17172 CD Storage Case. Replacement jewel box \$2.95

ARTECH

Blu-Tack. Vibration-absorbing material for use between speakers and stands. 4½ x 2½-in slab ... \$10

AUDIOLAB ELECTRONICS

TD-5 Tape Degausser

Cassette and tape-reel eraser. Accepts reel diameters up to 16-in with 2-in width. Features auto cooling fan; auto shut-off; thermal protection. Built-in timer \$1,695

TD-4A. As above, accepts reel diameters up to 16-in with 1-in width \$950

TD-1B. As TD-4A, accepts reels up to 10½-in with ½-in width. For non-metal audio cassettes ... \$135

AUDIO NOTE

Moving Coil Transformers

AN-S7C. Features silver wiring; 6 input impedances; 4 output impedances; switchable \$7,995

AN-S6C. Features silver wiring; 3 input impedances; switchable. 1.5, 3, or 40 ohms \$3,995

AN-S2. Features copper wiring; switchable 3/12-ohms and 20/80-ohm impedances \$795

AUDIOPRISM

AC-FX Power Line Filter

Eliminates EMI and RFI on AC power supplies. Features 10-gauge multiple-strand power cord; proprietary damping circuit. 6 x 2½ x 9½ in; 6 lb \$400

QuietLine System. Shunt filter to reduce electrical noise and interference. 10 noise-suppressor modules. 2 x 1¾ x 1½ in; 2 oz \$125

Isobearing 3.3 Support Globes. Vibration-absorbing component feet. Supports 17 lb. 2 x 1¾ in; 2.4 oz \$25

Isobearing Support Globes. As above, supports 4.4 lb. 1½ x 1¼ in; 0.8 oz. 3 pk \$54

CD Spotlight. Proprietary plastic coating applied to edge of CDs. To reduce scattered reflections of laser beam and improve sonics \$15

Antennas

APPA-8500 FM Antenna

Passive high-gain tube design. F-type connector; 3

attenuation levels; 4 reception positions; wired remote control. Gain 8.1 dB; imp 75 ohms. Decorator-fabric tube with oak base. 63 x 12¼ in; 24 lb. . \$500
With semigloss black-lacquer base \$450

AP-7500 FM Antenna

Passive ½-in wave omnidirectional design. F-type connector. Imp 75 ohms; gain 5.1 dB. Decorator-fabric tube with solid-wood base. 89½ x 4 x 17 in; 9.2 lb \$190

High-Q 6500 FM Antenna

Compact passive ¼-in wave C-loaded omnidirectional design. F-type connector; 12-dB attenuator. Includes 5-in coaxial cable. Imp 75 ohms. Wood finish. 9 x 2½ x 9 in; 2 lb \$70

AUDIO RESEARCH

BL1 Balanced Line Driver

Designed to be used between any unbalanced-output preamp and a V series amplifier. 2 RCA inputs; 2 XLR outputs. 13 x 3 x 7 in; 4.4 lb \$595

BEDINI

CD-DS2 Compact Disc Clarifier

Electronically degausses CDs to restore clarity, depth, and detail lost to electrostatic charge buildup. Hand held; operates on 9-V battery \$30

BELL'OGGETTI

CD-333 TRE Sorelli Ensemble CD Rack

Holds up to 120 CDs \$300

CD-301. Holds 58 CDs. 13 x 51 x 11½ in. \$200

CD-302. Holds 42 CDs. 11¼ x 39 x 10¼ in. \$160

CD-303. Holds 20 CDs. 8¾ x 24 x 8 in \$100

Audio Racks

The following are metal with a powder-coated finish and designed for TV, VCR, and/or audio equipment.

AR-880 Alto Zeta

Accepts monitor up to 75 lb; 5 adjustable shelves. Extra shelves available. 24 x 60 x 31 in \$600

AR-703 Fort 'Angelo

Accepts monitor up to 25 lb; 4 adjustable shelves. 18½ x 55 x 30 in \$400

AR-650 Zeta

Accepts monitor up to 55 lb; 4 perforated shelves. 21 x 34 x 22 in \$400

BIB

C-100LK CD Storage Tower

Holds 50 CDs. Features neon lighting. Light available in crystal, neon pink, neon blue, or neon purple. Tower available in black, white, silver/gray, blue, red, or chrome. 6 x 45 x 4½ in; 6.5 lb \$170

C-30 CD Storage Cabinet. Holds 30 CDs. \$50

C-45 CD Storage Cabinet. Black woodgrain cabinet for 45 single CDs or 39 single and 3 double CDs \$40

SC-5 Audio and Video Care Kit. Includes video, audio, and CD cleaner. Box doubles as 30-cassette storage case \$40

C-639A CD Laser-Lens Cleaner. 6-brush CD plays music while cleaning. Features time display; 60-sec cycle; storage case \$35

C-618 CD Case. Holds portable CD player and 5 CDs. Features foam interior; zippered storage pocket; bottom zipper for headphone cord; adjustable strap. Black \$30

C-26 CD Storage Cabinet. Holds 30 CDs. Wall mountable \$25

A-655 CD Polish. Antistatic formula to remove light scratches. Ozone safe. Includes polishing cloth and storage case. 600 cleanings \$19.95

C-619. As above, 400 cleanings \$14.95

C-635. As above, 200 cleanings \$9.95

A-632A Audio-Cassette Care System. Includes

tape-path-cleaning cassette, fluid, brush, and storage case \$17.95
SC-3 Audio-Cassette Care Kit. Includes audio and video tape-head cleaning system. Box doubles as 15-cassette storage case \$14.95
C-615 CD Care Kit. Includes CD restorer. Box doubles as 20-CD storage case \$12.95
C-611 CD Storage System. 2 horizontally-interlocking 10-disc modules. Touch-release locking. Wall or shelf mountable \$12.95
A-10 Cassette-Deck Cleaner. Cleans tape path with micro-fiber cotton. 25 cleanings \$12.95
A-12 Cassette Cleaning Fluid \$6.95
A-8 Cassette-Deck Cleaner. Cleans entire tape-travel path \$2.99

BILLY BAGS

All models feature an environmentally friendly powder-coat finish, a laminated top, and customizable shelves. All models, except for the I-Beam Component Center, feature tubular steel construction.

Model 5000-30 A/V Rack. 52 x 30 x 20½ in. . . \$798
Model 5000-24 A/V Rack. 52 x 24 x 20½ in. . . \$758
Model 5000-1 A/V Rack. 52 x 30 x 20½ in. . . \$678
Model 2300 A/V Rack. 23 x 36 x 18 in. . . \$538
I-Beam Component Center Rack. Features I-Beam steel. 24 x 40 x 24 in. . . \$518

Euro Style A/V Racks Series

Model R2-D2. 26 x 30 x 21 in. . . \$518
Model 5500. 26 x 21 x 36 in. . . \$488
Model 3200. 32 x 21 x 19 in. . . \$458
Model 2621. 26 x 18 x 21 in. . . \$358

Metro Style A/V Racks Series

Model 00R2C. 26 x 30 x 20 in. . . \$398
Model 007-TVC. 26 x 17 x 20 in. . . \$298

BRIGHT STAR AUDIO

The Rack Of Gibraltar

Open-frame component stand. Features welded 14-gauge steel construction with double bracing; 4 shelves and adjustable floor spikes. Can be sand loaded. Dark- or black-granite finish. 25 x 51 x 22 in; 104 lb \$1,495

Big Foot TNT Isolation Platform

Sand-fillable component platform designed to reduce resonance and vibration. Holds 95 lb of sand. 21¾ x 4¾ x 27¾ in; 29 lb \$275
Big Foot J7. As above, holds 70 lb. 22½ x 4¾ x 24 in; 25 lb \$250

Big Foot CAD. As Big Foot TNT, holds 55 lb. 25 x 4½ x 14 in; 22 lb \$225

Big Foot. As Big Foot TNT, holds 45 lb. 21½ x 4 x 19½ in; 19 lb \$149

Big Foot II. As Big Foot TNT, holds 25 lb. 17 x 4 x 19½ in; 15 lb \$139

Black Rock Isolation Platform

Sand-filled platform designed to reduce resonance and vibration. Dark- or black-granite finish. 21 x 4 x 19½ in; 19 lb \$139

Black Rock II. As above. 17 x 3 x 19½ in; 15 lb \$139

Black Rock J7. As Black Rock. 22½ x 4¾ x 24 in; 25 lb \$139

Black Rock TNT. As Black Rock. 21¾ x 4¾ x 27¾ in; 29 lb \$139

Black Rock CAD. As Black Rock. 25 x 4¼ x 14 in; 22 lb \$139

Little Rock Isolation Pad

Vibration-damping block for top of component. Dark- or black-granite finish. 10 x 2¼ x 14 in; 25 lb. . . \$99

BUSH INDUSTRIES

Hallmark Collection Series

AV3110 Deluxe Home Entertainment Center
 31-in wide TV compartment with VCR storage; audio section with 3 adjustable shelves; swing-out door for 65-CD storage rack; 4 side shelves; tempered glass

doors; solid arched rails and trim. Lyon's oak finish. 59¼ x 48¾ x 20½ in \$460

AV3309 Home Entertainment Center

31-in wide TV compartment with VCR and videotape storage; audio section with 2 adjustable shelves and CD/cassette storage; tempered glass doors; solid rails and arched trim. Hanover cherry finish. 52½ x 48¾ x 20½ in \$320
AV3109. As above, with Lyon's oak finish \$320

A3112 Audio Cabinet

Swing-out door for 60-CD storage rack; 4 side shelves; front tempered glass panel; adjustable component shelves including shelf for accessory storage; tempered glass door; solid rails and arched trim. Lyon's oak finish. 28¾ x 48¾ x 16½ in \$280

Lancaster Collection Series

AV3610 Deluxe Home Entertainment Center
 31-in wide TV compartment with compartment concealing 2 solid panel doors; full-length sculpted solid door for storage rack that holds 60 CDs; 3 adjustable shelves; solid panel doors; solid wood accents; open post base. Country manor finish. 59¾ x 48¾ x 20¾ in \$460

AV3609 Home Entertainment Center

27-in wide TV compartment; framed tempered glass doors for section with 2 adjustable shelves; vertical storage compartment with full-length swing-out door; open-front base; solid wood accents. Country manor finish. 38½ x 60½ x 17¾ in \$320

A3612 Audio Cabinet

Two CD storage racks located on either side of center storage area; adjustable shelves; tempered glass door framed with solid rail trim and accents; solid wood trim; open post base. Country manor finish. 23½ x 48¾ x 17½ in \$210

CAIG LABORATORIES

ProGold Gold Conditioner/Protector

The following is designed to condition and protect gold surfaces and other metals.

G100L-8. 8-oz bottle. Full concentration \$195
G100L-25C. 25-ml dispenser \$40
G5L-4. 4-oz bottle. 5% concentration \$38
G100L-12C. Syringe dispenser \$25
K-G100P. Pen dispenser \$19.95
K-G50W. Wipes. 50 pk \$18.95
G100-2DB. 7.4-ml vial with brush applicator. 100% concentration \$16.95
G5S-6. Spray. 5.5-oz can \$15.95

CARVER

PRH-2 Programmable A/V Remote Control

For TVs, VCRs, cable boxes, audio components, and other remote-controlled devices like ceiling fans, light dimmers, and video screens. Features macro keys for programming one-touch sequences of multiple remote-control keypresses; clock; 2-event 24-hr program timer; sleep timer; 50 keys separated into 5 banks; backlit LCD \$70

CASE CASARD

Visions Series

Model 7410 Deluxe Pedestal Home Entertainment Center

Holds one 31-in television with CDs, cassettes, and videotapes. Adjustable shelves; tempered-glass doors; side compartment. Futura finish. 59¼ x 49½ x 19½ in \$350

Model 7910. As above, Dalton oak finish \$330

Model 7409. As Model 7410, can hold up to one 27-in television. Futura finish. 47¾ x 47½ x 19½ in \$260

Model 7909. As Model 7409, Dalton oak finish \$250

Model 7412 Pedestal Audio Cabinet

Holds CDs and cassettes. 3 adjustable shelves; tempered-glass door; base storage compartment.

Futura finish. 24¾ x 44¾ x 15½ in \$180
Model 7912. As above, Dalton oak finish \$180

Model 7306 Media Storage Unit

Holds CDs, cassettes, and videotapes. 7 adjustable shelves; touch-latch glass door. Black matte finish. 12¾ x 49¼ x 11½ in \$100

CASE LOGIC

The following feature a lifetime warranty.

CDT-500 CD Storage Rack. Holds 500 CDs. Rotating double-sided storage shelf. Black or oak wood-grain finish. 18½ x 39½ x 14 in; 47 lb \$200

CDT-240K CD Storage Tower. Holds 240 CDs. Rotating CD storage rack. Black woodgrain finish. 12½ x 28½ x 12½ in; 20.8 lb \$120

CDT-240. As above, oak finish \$120

CMC-250 CD Storage Shelf. Holds 250 CDs. 5 shelves. Black or natural oak finish. 21¾ x 29¼ x 5½ in; 15.4 lb \$80

CMC-150. As above, holds 150 CDs. 17¾ x 21¾ x 5½ in; 10 lb \$50

CMC-100. As above, holds 100 CDs. 12 x 21¾ x 5½ in; 7 lb \$40

CDW-100 CD Carrying Case. Holds 100 CDs. Pouch-like design with index card directory. Separate CD sleeves. Black. 11½ x 11½ x 2½ in. . . \$50

CDW-72. As above, holds 72 CDs. 11¼ x 11¼ x 2 in \$43

CDW-48. As CDW-100, holds 48 CDs. 11¼ x 11¼ x 1¼ in \$35

CDW-36. As CDW-100, holds 36 CDs. 6¼ x 11½ x 2 in \$30

CDW-24. As CDW-100, holds 24 CDs. 6¼ x 11½ x 1¼ in \$20

CDW-12. As CDW-100, holds 12 CDs. 6¼ x 6¼ x 1¼ in \$12.95

SD-120 CD Storage Tower. Holds 120 CD's. Double doors; twenty slots for double CDs. Black. 11 x 35¾ x 7½ in; 9.4 lb \$50

SD-80. As above, holds 80 CDs. 10 slots for double CDs. 6½ x 45¾ x 7½ in; 6 lb \$35

SD-50. As above, holds 50 CDs. 6 slots for double CDs. 6½ x 30 x 7½ in; 4.3 lb \$25

DM-24 CD Carrying Case. Holds 24 CDs. Two storage compartments. 11½ x 6¼ x 3 in \$37

DM-12. As above, holds 12 CDs. 6¼ x 6¾ x 2½ in \$27

PD-99 CD Storage Rack. Holds 99 CDs. Double swinging doors. 17¾ x 18¼ x 6½ in; 5.9 lb \$35

CD-99 CD Storage Rack. Holds 99 CDs. Black. 17¼ x 18¼ x 5½ in; 4 lb \$25

SR-80 CD Storage Tower. Holds 80 CDs with 6 slots for double CDs. Black. 17 x 46 x 14 in; 4.7 lb \$25

SR-50. As above, holds 50 CDs. Six slots for double CDs. Black. 7¾ x 30 x 7½ in; 3.3 lb \$17

COAST

OK-MM3 Multimedia Storage Rack. Holds 126 CDs or multimedia combination. Features solid-oak construction \$30

CCD-1512 CD Carryall

Features 12-piece removable plastic tray; 3-CD or portable CD player inner shelf; exterior accessory pocket. Available in black, purple, magenta, or turquoise \$15.95

CWD

Bradley Collection A/V Cabinets

Open-shelf system with 3 separate units. Black with cherry, natural, or pickled accents. Starting at \$2,000

A C C E S S O R I E S

Woodmore Series A/V Cabinets

Modular designs handcrafted from select hardwood solids and veneers. All are available in natural-oak, dark-oak, walnut, black-oak, pewter, almond, white, or ebony with matching adjustable shelves. Price based on finish \$230-\$1,425

Theater Collection

The following are entertainment centers for home theater components.

Rialto

Mission-style cabinet with 3 columns. Holds TV up to 35 in. Solid cherry and cherry veneer with forged-iron accents. 94 x 83½ x 24¾ in. Center column only \$1,995
Left or right column \$1,495

Woodstock

Shaker styling. Holds TV up to 35 in. Solid birch and birch veneer. Available with satin-blue-stained cherry top and accents or natural finish with black top and accents. 68 x 57 x 25½ in \$1,795

Fineline Series

Available in medium- or satin-black oak.

Tall Audio Module. 1 fixed shelf; 2 adjustable shelves; record dividers; glass door; concealed casters. 42¼ x 20½ x 21 in \$330

Short Audio Module. 1 adjustable shelf; wood door; record dividers; concealed casters. 21¼ x 20½ x 21 in \$260

Software Cabinet. Integral stacking base with 5 adjustable shelves. Holds 282 compact discs, 68 video cassettes, or 168 audio cassettes. 42¼ x 20½ x 7 in \$200

DAVIDSON-WHITEHALL

LS-576 CD StoraDisc Shelf

Holds 576 CDs. Hardwood shelves angled back for viewing; non-slip surface to eliminate slots or sliding stops. Black walnut, cherry, white oak, black-lacquered oak, pickled-ash, red-oak, black-on-black textured, or white textured finish. 63½ x 31½ x 11 in \$245-\$625

LS-360. As above, holds 360 CDs. 41¼ x 31½ x 11 in \$185-\$475

SS-50. As LS-360, single stand-alone shelf holds 50 CDs. 22½ x 31½ x 11 in \$32-\$56

SS-36. As SS-50, holds 36 CDs. 16½ x 7½ x 7½ in \$29

DISCWASHER

CD Cleaning Accessories

HydroBath Cleaner/Dryer. Non-contact CD cleaning system. Battery powered \$60

CD6+. 16-oz fluid for above \$14.95
6 oz \$9.95

Motorized CD Cleaner. Twin-pad radial mechanism with auto stop. Operates on 2 C batteries or AC adaptor. Includes replacement pads and 1-oz CD-1 cleaning fluid \$25
Refill kit with 4 replacement pads and 1-oz CD-1 solution \$5.95

CDL² CD Laser-Lens Cleaner. Wet/dry cleaning system for CD player's laser lens. Includes 10-ml CDL² cleaning solution, cleaning discs, and replacement pad \$19.95

Refill kit with 3 wet/dry cleaning pads and 10-ml CDL² solution \$4.95

Stealth Radial CD Cleaner. Wet-type radial cleaning system. Includes pad and 1-oz CD-1 cleaning fluid \$19.95

Discwasher Compact Disc Cleaner. Includes cleaning unit, CD-1 cleaning fluid, and extra cleaning pad. 1-oz \$17.95

Refill kit with 2 replacement pads and 1-oz CD-1 fluid \$5.95

Discwasher CD-2 Polish and Scratch Remover. Removes minor scratches from CDs. Includes 1-oz CD-1 fluid, 1-oz CD-2 polish, 6 swabs, and 4 polishing wipes \$10.95

CD-1 Cleaning Fluid. For use with Stealth Radial CD Cleaner or Motorized CD Cleaner. 4 oz \$7.95

DiscStic CD Cleaner. Pocket-sized cleaning pen with 0.2-oz fluid. Includes 5 cleaning pads \$6.95

Without pads \$5.95

CD CleanCloth. Micro-fiber cloth to remove contaminants from CDs, videodiscs, or record surfaces. Washable \$3.95

CDeez Polishing Wipes. 30 non-abrasive cleaning cloths \$2.95

Record Care Accessories

Zerostat Static Remover Gun. Eliminates static electricity from records, CDs, or videodiscs \$60

D4+ Record Cleaning System. Includes pad with walnut handle, 1¼-oz D4+ cleaning fluid, and pad-grooming brush \$19.95

16-oz refill fluid \$14.95

6-oz refill fluid \$9.95

1.25-oz refill fluid \$2.95

D'Stat II Turntable Mat. Carbon-impregnated fibers designed to reduce static on turntables \$12.95

SC-2 Stylus-Care System. Includes stylus brush with magnifying mirror mounted in walnut handle and SC-2 cleaning fluid \$7.95

0.34-oz refill fluid \$1.95

V.R.P. Record Sleeves. 10 pk \$7.95

CD Accessories

Sonic Circles. Stabilizer rings that attach to CDs to reduce vibrations and improve sonics. 25 pk \$25

10 pk \$10.95

5 pk \$5.95

CD Storage System. Lightweight ABS plastic with pivoting storage clip. Holds 20 CDs. Wall mountable. 6 x 2 x 14¾ in \$17.95

D-Box Carrycase. Holds 15 CDs \$10.95

D-System Storage. Holds 14 CDs. Horizontal or vertical stacking. Wall mountable \$9.95

CD Jewel Boxes. 2 pk \$1.95

Tape-Deck Accessories

D'Mag Cassette Deck Demagnetizer. Eliminates magnetism from tape heads and other tape-drive components \$14.95

TapeDeck CareSet. Includes Perfect Path cassette-head cleaner, C.P.R. capstan/pinch-roller cleaner, C.P.R. cleaner fluid, and storage case \$12.95

Without storage case \$10.95

System II Cassette-Care Kit. Includes tape-path cleaning cassette, C.P.R. cleaner fluid, and storage case \$11.95

Without storage case \$9.95

D-System Storage. Holds 10 cassettes stacked vertically or horizontally. Wall mountable \$9.95

C.P.R. Capstan and pinch-roller cleaning unit with C.P.R. cleaner fluid \$8.95

D-Box Carrycase. Holds 24 cassettes \$7.95

12-cassette version \$5.95

Perfect Path. Grid-cleaning tape removes oxides and contamination from tape heads. Includes storage case \$5.95

Without storage case \$4.95

Cassette Head Cleaner. Dry cleaning system; removes dust and dirt from tape path. Includes storage case \$3.95

Without storage case \$2.95

System II C.P.R. Cleaning Fluid. For use with System II cleaning unit and C.P.R. cleaner. 0.34-oz \$2.95

Cassette Storage Cases. Plastic. 4 pk \$2.49

D.W. ELECTROCHEMICALS

Stabliant 22A

Block polymers designed to improve the conductivity of electrical contacts. Isopropyl-alcohol-diluted solution. Helps remove thin-film rectification effects which cause RF demodulation. 15 ml \$36

EPIC DESIGN STUDIOS

The following are machined from solid aluminum. All except *DisCPlay* are stackable.

DisCDisk Forty-Four CD Holder. Rotatable square tray holds 44 CDs. Stackable up to 3 levels high. 12 x ¾ x 12 in; 3.2 lb \$70

DisCDisk Thirty-Six CD Holder. Rotatable round tray holds 36 CDs. Stackable up to 3 levels high. 12-in diameter x ¾ in; 2.3 lb \$67

DisCDisk Twenty-Four CD Holder. Rotatable round tray holds 24 CDs. Slots set at 15° angle. Stackable up to 3 levels high. 12-in diameter x ¾ in; 3.5 lb \$55

DisCDeck Twenty CD Holder. Rectangular tray holds 20 CDs. Stackable. 12 x 5/8 x 6 in \$35

DisCPlay CD Holder. Triangular single-CD holder. 4 x ½ x 2¼ in \$10

GE

ANT-140 Amplified Indoor Antenna. Gain 32 dB. Power LED \$50

SystemLink 5 Remote Control. Programmable remote control replaces up to 5 other remote controls \$40

GEMINI INDUSTRIES

AS456 CD Laser Lens Cleaner \$13.99

AS459 Radial CD Cleaning System \$13.99

AS275 Cassette Head Demagnetizer. Includes battery \$11.99

AS508 TV/VCR Stereo Sound Simulator \$11.99

AS460 CD Cleaner \$10.99

AS463 Portable CD Storage Case. Holds 10 CDs \$9.99

AS272 Cassette Head/Capstan Cleaner \$4.99

AS410 Record Care Kit. Includes cleaning fluid \$4.99

AS580 Colled Headphone Extension. 20 ft \$4.99

AS425 45 RPM Record Spindle \$3.99

AS461 CD Flipper. Holds 20 CDs \$3.99

AS462 Mini CD Adaptor. 4 pk \$3.99

AS575. 20-ft shielded RCA cable \$2.99

AS280 Cassette Head Maintenance Kit \$2.99

AS404 Record Cleaning Bar. Includes stylus brush \$2.99

AS270 Cassette Head Cleaner. Wet type \$2.49

AS465 CD Storage Case. 2 pk \$2.49

AS516 Audio TV Interference Filter \$1.99

AS175 Micro Cassette Head Cleaner. Dry type \$1.99

AS411 Deluxe Record Cleaning Fluid \$1.99

AS451 CD Cleaning Fluid \$1.99

AS515 FM Dipole Antenna \$1.49

AS412 Record Cleaning Fluid \$1.49

AS170 Cassette Head Cleaner. Dry type \$1.49

AS100 Cassette Storage Cases. 3 pk \$0.99

AS430 Record Cleaner Sweep \$0.79

AS420 45 RPM Record Inserts. 10 pk \$0.49

AS426 Universal 45 RPM Record Dome \$0.39

AC Adaptors

AS502 Universal Adaptor. 500 mA \$11.99

AS499 Universal Adaptor. LED indicator and extra mini plug. 300 mA \$9.99

AS501 Universal Adaptor. 300 mA \$9.99

AS503 Adaptor. 9 V, 500 mA \$8.99

AS507 Adaptor Plug Set. For AS 501 or AS 502 \$4.49

INOUE

Synergistic Power Line Conditioner

2 conditioners in aluminum chassis with baked-epoxy finish. Features 4 hospital-grade receptacles; spike protection; 1,800-W capacity; glass-epoxy circuit board. 5-yr limited warranty \$595

Gyrodec Synergistic Power Supply

Designed for Gyrodec turntables. Features line conditioning; on/off switch with internal fuse; non-magnetic chassis; detachable line cord; non-polarized film capacitors; 2-m hard-wired output cord \$339

J.A. MITCHELL

Record Clamp

Features solid machined anodized aluminum. Fits all standard spindles. Gold \$45
Silver \$40

Headshell Kit

For mounting of phono cartridges. 2 sizes of Allen bolts, washers, and nuts \$4

JASCO

HE + One Control VIII Remote Control. Controls 8 devices. Upgradable \$128
HE + IV. As above, for 4 devices \$77
Optima TV/FM Antenna. Compact design with passive circuitry and 2-way signal capture \$50
HE + FM Booster. Designed to reduce multipath distortion and amplify weak signals. Omnidirectional/unidirectional \$50
HE + Total Audio Maintenance. Includes antistatic carbon-fiber record brush with stylus-cleaning fluid and cleaning cassette with cleaning fluid \$22
Interlock CD Organizer. Holds 18 CDs. Stackable flip-up design. Black plastic \$18
HE + CD Flip File. Holds 32 CDs. Oak CD storage rack with adhesive pads \$8.99

KAWASAKI

Cassette and CD Holders

K8-MA3048. Holds portable cassette player, 48 cassettes, and accessories \$79
K8-MCD2700. Holds portable CD player and 10 CDs without jewel boxes on detachable wallet \$60
K8-MCD1224. Holds and protects 24 single or 12 double CDs with accessories \$60
K8-MCD0612. Holds 12 single or 6 double CDs with accessories \$48
K8-MA1524. Holds portable cassette player, 24 cassettes, and accessories \$30

LAREDO

Cassette Carrying Cases

LAC-6096. Holds 60 tapes with case, 96 without. Double sided. 14 1/2 x 9 1/2 x 8 1/2 in. \$60
LAC-3048. Holds 30 tapes with case, 48 without. Removable shoulder strap. 15 x 9 1/2 x 5 in. \$48
LAC-1524. Holds 15 tapes with case, 24 without. Wrist strap. 13 1/4 x 3 1/4 x 5 1/2 in. \$24
LAC-1010. Holds 10 tapes with case. Removable shoulder strap. 3 1/2 x 7 1/2 x 6 in. \$17.99

CD Carrying Cases

LPC-3920. Holds 10 CDs, portable CD player, and headphones. Includes shoulder strap. 14 3/8 x 8 1/2 x 8 in. \$46
LWCD-020. Holds 20 CDs without jewel cases. Wallet type design. Designed to fit inside LPC-3920. 13 3/8 x 7 x 2 7/8 in. \$46
LCD-1224. Holds 24 CDs, 12 double CDs. Includes shoulder strap. 14 3/8 x 7 1/2 x 7 1/4 in. \$45
LDC-0612. Holds 12 CDs, 6 double CDs \$26
LWCD-010. Holds 10 CDs without jewel cases. 5 7/8 x 11 3/8 x 1 7/8 in. \$24
LPC-2900. Holds 5 CDs. Two separate padded compartments. 7 1/2 x 6 3/4 x 4 1/2 in. \$22
LDC-0800. Holds 8 CDs. 6 x 6 1/2 x 4 1/2 in. \$17.99

LASERLINE

FD-24 CD FlipDisc

Holds 24 CDs. Features spring-loaded latch mechanism; individual jewel-box trays with center hub; padding and plastic double-wall air-cavity insulation \$15
FD-12. As above, holds 12 CDs \$10

CD Storage Units

CD-6000. Holds 60 CDs. Features latching doors.

Wall mountable. 14 3/4 x 18 1/2 x 16 in.; 15 lb. \$40
CD-90. Holds 90 CDs. Wall mountable. 17 1/2 x 15 1/2 x 22 in.; 15 lb \$25
CD-2400. Holds 24 CDs. Stackable. 19 1/4 x 14 1/4 x 15 3/8 in.; 26 lb \$20
CD-36. Holds 36 CDs. Wall mountable. 18 3/4 x 18 x 14 1/4 in.; 15 lb \$15
CD-1200. Holds 12 CDs. Stackable. 14 3/4 x 13 1/2 x 17 1/4 in.; 20 lb \$15
CD-60. Holds 60 CDs. Wall mountable \$10

Cassette Storage Units

AC-4000. Holds 40 cassettes. Features latching doors. Wall mountable. 14 3/4 x 18 1/2 x 16 in. \$40
AC-100. Holds 100 cassettes. Wall mountable. 25 1/2 x 15 1/2 x 15 in.; 18 lb \$20
AC-1800. Holds 18 cassettes. Stackable. 17 x 17 3/4 x 11 1/4 in.; 18 lb \$15
AC-60. Holds 60 cassettes. Wall mountable \$10

LAST FACTORY

RCM Record Cleaning Machine Fluid. For vacuum-operated recording cleaning machines. 1 gallon \$50
SF-010 Tape Preserver. Treats 60 tapes \$32
SF-900 Tape Treater. To extend head life; treats 100 tapes \$27
SF-200 Record Preserver. Treats 60 records \$26
SF-100 Record Cleaner. Cleaner for LPs and 45s. For 60 records \$24
SF-500 Stylus Treater. To extend life \$22
SF-600 CD Protector. Treats 200 CDs \$19.95
SF-300 Record Cleaner. For LPs and 45s \$16.95
SF-400 Stylus Cleaner. Non-alcoholic cleaner \$14.95
SF-602 CD Protector. Shields for 20 discs \$12

LEBO

Voyager MiniDisc Carrying Case

Features 2 compartments, each holding up to 4 MDs with a separate pocket in each compartment for headphones, accessories, or MD player; MD player pocket with 1 1/2-in zipper. Includes expandable shoulder strap \$30

Cassette Carrying Cases

Model 33230. Holds 30 boxed or 48 unboxed tapes. Shock-protected vinyl. Detachable shoulder strap; carry handle; accessory pocket \$42
Model 21060. Holds 60 boxed or 96 unboxed tapes. Shock-protected nylon. Handle/shoulder strap. Black with assorted trim \$32
Model 21230. Holds 30 boxed or 48 unboxed tapes. Shock-protected nylon. Padded accessory pocket. Black, blue, gray, or red \$25
Model 21220. As above, holds 20 boxed/32 unboxed tapes \$21
Model 21030. As Model 21230, with handle/shoulder strap. No accessory pocket \$21
Model 21015. As Model 21230, holds 15 boxed or 24 unboxed tapes. Black with assorted trim \$13.95
Model 21010. Nylon case for 10 tapes \$12.95

CD Carrying Cases

Model 34230 Voyager
Holds 30 single CDs, 15 double CDs, or CD player with CDs and accessories. Shock-protected vinyl. Padded accessory pocket and removable shoulder strap. Black \$38
Model 25230. As above, nylon. Black, blue, gray, or red \$32
Model 34212. As Model 34230, holds 12 single or 6 double CDs \$25
Model 25212. As above, nylon. Black, blue, gray, or red \$19.95

Model 25207 Voyager. Shock-protected vinyl for portable CD player and 4 CDs. Rear pocket for headphones. Black \$25

Model 25006. Shock-protected nylon for portable CD players and 6 single or 3 double CDs. Black, blue, gray, or red \$13.95

LESLIE DAME

CD-576KD/KDB CD Storage Shelf

Holds 576 CDs or 345 cassettes. Can also store 56 video cassettes on top 2 shelves. Solid oak or black. 32 1/4 x 58 1/4 x 10 in. \$190

CDT-200/200B CD Storage Tower. Holds 200 CDs including 8 doubles. Revolving storage tower. Oak or black finish \$100

CD-2-100KDR/KDV CD Storage Tower. Holds 100 CDs including 8 doubles. Revolving storage tower. Cherry hardwood or oak finish \$100

CD-260KD/KDB CD Storage Shelf. Holds 260 CDs or 160 cassettes. Can also store 20 video cassettes on top shelf. Solid oak or black. 23 1/2 x 34 1/2 x 8 3/4 in. \$80

CDV-80KD CD Storage Shelf. Holds 212 CDs, 128 cassettes, or 80 video cassettes. Solid oak. 23 1/2 x 34 1/2 x 8 3/4 in. \$80

CD-25KDE CD Storage Shelf. Holds 250 CDs, 150 cassettes, or 18 video cassettes. Oak finish \$60

CD-150KD/KDB CD Storage Shelf. Holds 159 CDs, 96 cassettes, or 20 video cassettes on top shelf. Black or oak finish. 23 1/2 x 19 3/4 x 7 7/8 in. \$50

CDT-96-96B/96R CD Storage Tower. Holds 96 CDs vertically or 104 CDs horizontally. Oak, black-ash, or cherry finish \$50

CD-68S/68 CD Storage Tower. Holds 68 CDs including 4 doubles. Steel construction \$50

CD-100A/AB CD Storage Shelf. Holds 106 CDs, 64 cassettes, or 20 video cassettes on top shelf. Black or oak finish. 23 1/2 x 11 x 7 1/4 in. \$40

CDM-60 CD Storage Tower. Holds 60 CDs. Steel construction. Black \$40

CD-120KD CD Storage Shelf. Holds 120 CDs, 72 cassettes, or 44 video cassettes. Oak finish \$35

CDM-480 CD Storage Tower. Holds 48 CDs including 4 doubles. Black \$30

CDM-48 CD Storage Tower. Holds 48 CDs. Steel construction. Black \$30

CD-104 CD Storage Unit. Holds 40 CDs or 20 doubles. Plastic interlocking units. Black \$9.99

CD-103 CD Storage Unit. Holds 24 CDs, 12 doubles, or 18 cassettes. Stackable. Black \$9.99

MAGNUM DYNALAB

Signal Sleuth 205 FM Antenna Signal Amplifier. Amplifies weak and attenuates strong FM signals. 2-year limited warranty. Dimensions: 16 x 1 1/4 x 5 1/2 inches; weight: 8 pounds \$279

MCINTOSH

Equipment Cabinets

The following are walnut.

L74. Holds units with 7 7/8-in-high front panel .. \$130
L72. Holds units with 5 7/8-in-high front panel .. \$120
L70. Holds units with 3 3/8-in-high front panel .. \$110

MERIDIAN

Model 209. Remote control for all 200 Series components \$195

MERRILL AUDIO

Energy Absorption Plate. Laminated cast-iron alloy plate designed to absorb magnetic, electrostatic, and

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mechanical energies. 15 x 1/2 x 17 in platform, 1-in spikes; 35 lb \$125

Elephant Feet. Cast-alloy speaker feet to control and dissipate energy below 30 Hz. 3/4-in height x 4/4 in width; spike height 1 in; 6.5 lb \$30

Speaker Stands

Stands are fillable with sand, lead, or combination.

19 in; 30 lb with sand, 90 lb with lead \$250
24 in; 35 lb with sand, 115 lb with lead \$250

MICROSCAN

TD-12 Transfer Deck

Antiresonance plate designed to be placed under CD players, amplifiers, preamplifier, D/A converters, or videodisc players. 16 x 2 1/2 x 12 in \$190

D-8 Microscan System

Antiresonance plate designed to be attached to the back of tower speakers. Designed to reduce resonance from 20-1,500 Hz. 8 x 9 x 2 1/2 in \$170/pr
D-6. As above, designed to reduce resonance from 30-1,500 Hz. 8 x 2 1/2 x 6 in \$150/pr
SW-1. As D-8, designed for subwoofers. Reduces resonance from 15-200 Hz. 8 x 9 x 2 1/2 in \$80

MIND'S EYE

DJ 108 Storage Rack. Holds 108 CDs, 66 cassettes, or 40 video tapes. Steel rod construction. Black. 23 x 14 x 6 1/2 in; 6 lb \$45

MONITOR AUDIO

MS18/MS24/MS30 Stands

18-, 24-, or 36-in metal stand. Can be mass loaded \$139/pr

MOREL

ST-6 Speaker Stand. 19 ft. Nonresonant MDF material. Black-lacquer finish \$149
ST-4. As above, 9 ft \$135

NAIM

Turntable Power Supply. Features 430-VA transformer. For 33 rpm. 8 1/4 x 3 x 12 in \$1,025

NAKAMICHI

RC-1. Remote signal converter for CD players, parallel-to-serial \$100
RC-2. Remote signal converter for CD players, serial-to-parallel \$100
RC-3. Remote signal converter for tape decks, parallel-to-serial \$100
SF-10. Subsonic filters \$15/pr

ONKYO

RC-AV20M Programmable Remote Control

Controls 10 components. Features 100-function programming; selectable audio or video mode. Preprogrammed for Onkyo RI-system components. 2 3/4 x 7 1/2 x 1 1/4 in; 7.1 oz \$100

PARASOUND

Perfect Image 20/20 CD Laser Lens Cleaner. Gold disc with laboratory micro-brush. 20-second cleaning cycle; cleaning time display \$22.95

PARSEC

Model 2000 AM/FM Antenna. Omnidirectional/unidirectional reception. Features MOSFET circuitry. FM: gain -20 dB to 40 dB; noise 1.5 dB. AM: gain 15 dB; noise 1.5 dB \$70
LS-4 Indoor FM Antenna. Omnidirectional/unidirectional reception. Features GASFET design \$48
Stealth FM Antenna. Hideaway design. Gain 32 dB

min; noise 1.5 dB \$40
WaveCatcher AM/FM Antenna. Omnidirectional/unidirectional reception. Designed to reduce distortion from reflected and overlapping signals. FM gain 5 dB \$22

PER MADSEN DESIGN

Rackit System Storage Racks

Modular oak storage units. Available in several heights and 2 widths. Units may be stacked 6-ft high on a Dolly model or 7 ft on the floor.

CD-180. 2 drawers store 90 discs each. 18 x 15 x 13 3/4 in; 18 lb \$200
Birch finish \$180
Record Cabinet. Fully enclosed rack for 100 LPs or videodiscs; reversible door. 18 x 15 x 13 3/4 in; 15 lb \$150
Record Cabinet. As above, no door \$100
"45" Unit. 2 drawers store 300 45-rpm singles. 18 x 9 3/4 x 13 3/4 in; 11 lb \$110
Birch finish \$100
Cassette Unit. 2 drawers store 108 audio cassettes, 156 DATs, 84 9mm video cassettes, or 60 VHS-C cassettes. 18 x 9 x 13 3/4 in; 11 lb \$110
Birch finish \$100

CD-90. Three drawers store 30 CDs each. 18 x 7 7/8 x 13 3/4 in; 10 lb \$110
Birch finish \$100
CD3 3/2-In Floppy. 2 drawers store 360 3-in CDs or 3 1/2-in floppy discs. 18 x 6 3/8 x 13 3/4 in; 8 lb \$100
Birch finish \$90
Component Rack 19. For 19-in wide components. Stackable with other System 19 units. 20 3/4-in width; 16-in depth. Available in 5-, 7 1/2-, 10-, or 15-in height \$75-\$95

Component Rack. Designed for components up to 16 1/2 in wide. 18-in width; 13 3/4-in depth. Available in 5-, 7 1/2-, 10-, or 15-in height \$60-\$80
Record Rack. Stores 100 LPs or videodiscs. 18 x 14 x 13 3/4 in; 5 lb \$40
Dolly 19. For System 19 component racks. Supports 300 lb. 20 3/4 x 4 x 16 in; 3.5 lb \$50
Dolly. Supports 300 lb. 18 x 4 x 13 3/4 in; 3 lb \$40
Base 19. For System 19 component racks. 20 3/4 x 1 1/2 x 16 in; 3.5 lb \$35
Base. 18 x 1 1/2 x 13 3/4 in; 1.5 lb \$25
Tabletop 19. Oak-veneer plywood. 20 3/4 x 3/4 x 16 in; 4 lb \$35
Tabletop. 18 x 3/4 x 13 3/4 in; 3 lb \$25

PREMIER

M-Series Speaker Stands

Features metal steel-tube base; open structure design; three-tube steel center posts; 2-layer isolation pads; adjustable spiked feet; lead shot fillable. Black epoxy finish. 10- to 23-in \$99/pr

S-Series Speaker Stands

Features metal steel-tube base; open structure design; single-tube steel center post; 2-layer isolation pads; adjustable spiked feet; lead shot fillable. Black epoxy finish. 23- or 29-in \$89/pr

W-Series Speaker Stands

Features wood high-density hardboard; open structure design; three center posts; 2-layer isolation pads; spiked feet. Textured matte-black finish. From 8- to 24-in \$39-\$49/pr

P-Series Speaker Stand

Features wood high-density hardboard; open structure design; foam pads; spiked feet. Textured matte-black finish. 12 in \$35/pr
8 in \$29/pr

R-Series Component Racks

Features metal modular open design, tubular steel shelf frames, high-density hardboard shelves, and adjustable spiked feet. Black epoxy finish.

R-10. Amp stand \$69
R-20. Video monitor stand \$139
R-30. Expandable 3-shelf rack \$179
R-LB. Video monitor side mount \$129
R-ES. 7 1/2-in expansion shelf for R-10 and R-30 \$49
R-ES 4. 4 1/2-in expansion shelf for R-10 and R-30 \$49
R-20/ES. Expansion shelf for R-20 \$69
R-LB/ES. Expansion shelf for R-LB \$59
R-BR. Bridge shelf \$79
R-MS/2. Media storage \$69
R-CC. Cable channel kit \$35
R-Casters. Caster kit \$14

PROGRESSIVE DESIGN

ST-7000 Component Cabinet. Solid oak veneer; 5 shelves, 4 adjustable. Medium or black-oak finish. 25 1/4 x 51 x 19 1/4 in \$399
CDV-6000 CD Storage Rack. Holds 406 CDs. Solid oak veneer. Medium or black-oak finish. 25 1/4 x 64 x 10 3/4 in \$399
CDV-5000. As above, holds 182 CDs. 12 1/2 x 64 x 10 3/4 in \$279
Swivel 5000 CD Storage Rack. Holds 406 CDs. Swiveling cam-lock design. Black-laminate finish. 17 3/4 x 64 x 20 in \$279
Swivel 9000. As above, without base. Medium or black-oak finish. 17 3/4 x 50 x 20 in \$200
Hex 100 CD Storage Tower. Holds 100 CDs. Features one-finger CD release system; hexagonal design. Laminated wood finish. 14 x 70 1/4 x 11 in; 45 lb \$130
CD 2000 CD Storage Rack. Holds 104 CDs. Solid oak. Removable base for wall mounting. Medium or black-oak finish. 7 x 50 x 6 1/4 in \$100
CD 1200 CD Storage Rack. Holds 203 CDs. Adjustable shelves with glass door. Medium or black-oak finish \$100
CD 850 Audio Storage Rack. Expandable-shelf design. Each shelf holds 50 CDs or 30 cassettes; wall mountable or stackable. Includes four shelves. Medium or black-oak finish \$100
Individual shelves. 22 x 8 x 8 in \$30
Support feet for shelf \$10

RADIO SHACK

Radio Shack offers a wide variety of audio accessories. Contact the manufacturer for information.

R.B. ANNIS

Reel-D-Mags Demagnetizer

Erases audio tapes and reels. Price depends upon strength of magnetic field required \$3,950-\$8,833

A V Han-D-Kit

Registers magnetism in tape decks and demagnetizes head and tape-path components when necessary. Includes pocket magnetometer, clip-on extension probe, steel strips, and instructions \$32-\$47

RECOTON

Antennas

FM 200. AM and amplified-FM antenna \$80
FM 100. FM amplified antenna \$34
TV 13. FM dipole antenna \$2.69

CD Accessories

CD 20 CD-to-Cassette Adaptor. Designed to play portable CD player through any cassette deck \$30
CD 25/24 Kit. Includes CD 25 and CD 24 cleaners \$23
CD 25/25 Long. Laser-lens cleaner \$19.99
CD 11 CD Cleaner. Radial design with chamois pad and cleaning brush \$17.99
CD 30 CD Storage Rack. Holds 20 CDs \$14.99
CD 57 CD Restorer/Cleaner Kit \$7.99
CD 24 CD Cleaner \$7.49
CD 85 Jewel Boxes \$5.99
CD 83. As above, 3 pk \$3.59
CD 8. As above, 2 pk \$2.49
CD 19 CD Cloths. Micro fibers \$3.99
CD 18 CD Cleaning Cloths \$3.59

A C C E S S O R I E S

CD 31 CD Storage Tray. Holds 20 CDs \$2.99

Cassette Accessories

TRX 300 Maintenance Kit. Cleaning fluid and demagnetizer. Includes battery \$18.99
 Model 37 TC Demagnetizer. Cassette type \$14.99
 Model 38 TC Demagnetizer/Cleaner. Cassette type \$7.79
 Model 94 TC-10 Replacement Cases. 10 pk. \$5.99
 Model 94 TC. 4 pk of above \$4
 Model 94 TCB. One of above \$0.79
 Model 150 TC Tape Head Cleaner. Auto operation \$5.49
 Model 144 TC Maintenance Cassette. Demagnetizes and cleans heads and capstans. Includes cleaning fluid \$3.79
 Model 51 TR Protek Tape Kit. Includes bottles of tape-head cleaner/lubricant and spiral brush to remove oxide particles \$3.79
 Model 112 TC Care Kit \$3.79
 Model 54 TR Head Cleaner \$2.29
 Model 53 TR Kleen Stix \$2.19
 Model 71 TC Tape Head Cleaning Cassette \$1.79

ROOMTUNE

The following, except the clamps, are passive listening-room acoustic-treatment accessories.

Clamps

Vibration reducers for components.

High End SpeakerClamp. 180 lb \$595/pr
 Deluxe AmpClamp. 60 lb \$495
 ClampRack. 4 shelves, 42 in. 170 lb \$495
 3 shelves, 36 in. 130 lb \$395
 2 shelves, 24 in. 90 lb \$295
 Basic SpeakerClamp. 115 lb \$295/pr
 AmpClamp. 20 lb \$149

JustaRack Shelves

7 shelves, 48 in. 85 lb \$399
 6 shelves, 42 in. 76 lb \$349
 5 shelves, 36 in. 64 lb \$299
 4 shelves, 30 in. 53 lb \$249
 3 shelves, 24 in. 46 lb \$199
 1 shelf, 14 lb \$43

ClampRack. 2 shelves, 38 lb \$99

Tuning Strips

CeilingTune. 15 lb \$249
 RoomTune. 25 lb \$229
 BassTune. 20 lb \$199
 AdjustableTune. 4 lb \$169
 CornerTune. 3 lb \$79
 Echotune. 2 lb \$40
 StackBracket. 2 lb \$20

SANUS SYSTEMS

Equipment Racks

CF-45 Component Foundation

5 levels. Steel frame; MDF shelves rest on isolation spikes; sand or shot fillable. 2 towers may be connected with 35-in video bridge. 45 in \$375
 CF-35. As above, 4 levels; 35 in \$325
 CF-VL. Video bridge leg \$85
 CF-VB. 35-in video bridge \$75

Speaker Stands

RF-28 Reference Foundation

Triangular fountainhead base; steel pillar/top plate construction; adjustable spike feet and isolation pads; nonconductive wire path; sand or shot fillable. 28-in height \$175
 RF-24. As above, 24-in height \$175
 RF-20. As RF-28, 20-in height \$170
 RF-16. As RF-28, 16-in height \$170
 RF-12. As RF-28, 12-in height \$165

SF-28 Steel Foundation

Steel construction; adjustable spiked feet and isola-

tion studs; sand or shot fillable; nonconductive wire path. Black-lacquer finish. 28-in height \$145
 SF-24. As above, 24-in height \$145
 SF-20. As SF-28, 20-in height \$140
 SF-16. As SF-28, 16-in height \$140
 SF-12. As SF-28, 12-in height \$135

DF-36 Natural Foundation

Designed for satellite speakers. 3/4-in MDF construction; steel spiked feet with isolation studs; concealed speaker cable path. Black-lacquer finish. 36-in height \$90
 NF-38. As above, 28-in height \$90
 NF-21. As DF-36, 21-in height \$70
 Solid-walnut pillars \$80
 Solid-oak pillars \$80
 NF-14. As DF-36, 14-in height \$65
 Solid-walnut pillars \$75
 Solid-oak pillars \$75
 NF-07. As DF-36, 7-in height \$60

S-24 Basic Foundation

3/4-in MDF construction; steel spiked feet; neoprene isolation pads. Black-satin finish. 24-in height \$52
 S-17. As above, 17-in height \$47
 S-10. As S-24, 10-in height \$43

WM-S1 Speaker Wall Mount. For small speakers. Steel bearing assembly; black-lacquer finish \$20

SONANCE

AC2 Sequential Power Switcher

Sequentially activates 4 switched AC outlets with adjustable/defeatable first-outlet time delay. AC, A/V-signal, low-voltage (6-24 V AC/DC), or dry-switch triggering; multiple chaining capability; input/output line-level buffer to drive multiple amps off an audio source. Power handling 1,800 W max \$349

LS-1. Unbalanced to balanced output converter.

Gold-plated RCA Inputs; 5-position screw-type output \$170

LA-1. 2-channel line-level amplifier for up to 15-dB gain \$160

AGI-1. Active audio ground isolator \$160

SCF-1. Active 36-dB/oct line-level subsonic filter at 40 Hz \$155

CC-1. Speaker-level capacitor coupler to reduce load inductance. Subsonic filtering. Screw-type inputs and outputs. Power handling 200 W rms \$145

LR-1. Balanced to unbalanced output converter. 5-position screw-type input; gold-plated RCA outputs \$145

SBA-1. Active stereo bridging adaptor to convert 2-channel amplifier to 2 bridged amplifiers each with 3.5x power gain of single stereo channel. 2 RCA-jack inputs; L/R inverting and noninverting RCA-jack outputs \$125

SM-1. Active stereo-to-mono bridging adaptor to convert 2-channel amplifier to one mono amplifier with 3.5x power gain of single stereo channel. 2 RCA-jack inputs; 2 RCA-jack outputs \$116

MLP-1. As above, with low-pass subwoofer filter selectable at 50, 75, or 100 Hz \$140

ABB1. A/B speaker switch. Screw-type connectors. Power handling 200 W/ch. 5 x 2 1/4 x 5 in \$80

ABW1A. In-wall version of above. Fits single-gang switch box. Decora style available. Mounting depth 2 1/8 in \$31

LL-1. 2-channel line-level attenuator. Features recessed screwdriver pots for each channel \$65

RFGI-1. RF ground isolator. F-connector input and output \$55

ABW1HPO. In-wall A/B switch, headphone jack, and speaker on/off switch. Power handling 200 W/ch max. Fits single-gang switch box. Mounting depth 2 1/8 in \$51

DT1. Speaker-level signal-distribution terminal. 4 terminal blocks with 8 parallel screw terminals \$40

OP3. Steps 2-channel speaker-level signal -30 dB down to 2 line-level outputs. For amps from 100 to 200 W/ch. Speaker-pair inputs; 2 gold-plated RCA-plug outputs \$23

OP2. As above, -20-dB attenuation \$21

SOUND ANCHORS

Sound Anchors manufactures speaker stands for specific models of Acoustic Energy, B&W, Celestion, Duntech, Energy, Lineaum, Monitor Audio, Martin Logan, ProAc, Rogers, Snell, and Vandersteen speakers, among others. Contact the manufacturer for information.

SOUNDSTREAM

R-2 Programmable Remote Control

Features dynamic RAM allocation. Controls 11 components; labels for different combinations; battery backup \$200

SPECO

SSS-1. 3-position stereo selector allows 3 stereo sources to connect to 1 stereo input. RCA jacks \$19.95

WM-10D

Wall-mount stereo level control. Stainless steel plate and black knob. Brushed aluminum finish \$16.50

WM-10. As above, mono \$12.95

WAT Stereo Series

The following are wall-mount attenuators.

WAT-50D-8. Double gang, stainless steel. 50 W \$90

WAT-10D-W. White plastic. 10 W; 8 ohms \$54

WAT-25D. Stainless steel. 25 W; 70/25 Line \$54

WAT-10D. Stainless steel. 10 W; 70/25 V Line \$50

WAT-25-8WD. White plastic plate. 25 W; 8 ohms \$50

WAT Monaural Series

The following are wall-mount attenuators.

WAT-25. Stainless steel. 25 W; 70/25 Line \$37

WAT-35. Double gang, stainless steel. 35 W; 70/25 Line \$34

WAT-25-8W. White plastic. 25 W; 8 ohms \$33

WAT-10-W. White plastic. 10 W; 70/25 V Line \$32

WAT-10-8. Stainless steel. 10 W; 8 ohms \$30

WAT-10. Stainless steel. 10 W; 70/25 Line \$30

AT Series

The following are level controls. Each includes a mounting plate.

AT-100D. Stereo. 100 W; 8 ohms \$40

AT-100. Mono. 100 W; 8 ohms \$23

AT-50D. Stereo. 50 W; 8 ohms \$16.95

AT-50. Mono. 50 W; 8 ohms \$15.95

AT-10D. Stereo. 10 W; 8 ohms \$11.95

AT-10. Mono. 10 W; 8 ohms \$7.95

STANDESIGN

Designer Series IV Metal Audio/Video Racks

Design 5 \$399

Design 4 \$339

Design 3 \$299

Designer Series III Component Racks

Penta. 5 shelves, 6 3/4 in between shelves. 34-in height \$359

Quattro. 4 shelves, 9 1/4 in between shelves. 34-in height \$299

Trident. 3 shelves, 14 1/4 in between shelves. 34-in height \$259

Duplex. 2 shelves, 19 1/4 in between shelves. 24-in height \$179

Design Series II Metal A/V Racks

SCR5 \$269

SCR4 \$239

Wall Brackets

TT/WB2 Turntable Platform. Glass shelf with support spikes and matte-black surround. Shelf: 18-in width x 14-in depth \$229

TT/WB1. As above, wood shelf \$169

WB2. Pivoting speaker platform. Features adjustable

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isolation spike on angled arm. 6-in width x 1 1/4-in depth \$109/pr
WB1. Angular speaker platform \$49/pr

DS Series Speaker Stands

The following feature removable isolation spikes in the top and bottom plates, are made of welded steel, and are finished in textured black ash.

DS 28. 6 1/2 x 28 x 7 1/2 in. \$199/pr
DS 24. 6 1/2 x 24 x 7 1/2 in. \$199/pr
DS 20. 6 1/2 x 20 x 7 1/2 in. \$189/pr
DS 16. 6 1/2 x 16 1/2 x 7 1/2 in. \$179/pr
DS 14. 6 1/2 x 14 x 7 1/2 in. \$169/pr

Z Series Speaker Stands

The following are made of welded steel, feature a Z-shaped design, removable isolation spikes in the top and bottom plates, and are finished in textured black ash.

Z20. 6 1/2 x 20 x 7 1/2 in. \$169/pr
Z16. 6 1/2 x 16 1/2 x 7 1/2 in. \$159/pr
Z14. 6 1/2 x 14 x 7 1/2 in. \$149/pr
Z10. 8 x 10 x 9 in. \$149/pr

JL Series Speaker Stands

Spiked design made of welded steel and finished in textured black ash.

JL20. 20 x 7 1/2 x 7 1/2 in. \$109/pr
JL16. 16 1/2 x 7 1/2 x 7 1/2 in. \$99/pr
JL12. 12 x 7 1/2 x 7 1/2 in. \$99/pr

Design Series I A/V Component Racks

Stackable design made of welded steel; black.

Bridge 1. TV platform for horizontal use between 2 columns of Bass 1 and Module 1 stacks. \$100
Bass 1. Base. 20 x 5 x 20 in. \$75
Module 1. Smaller version of Bass 1; up to 4 Module 1's may be vertically stacked. \$75

ZB Series Speaker Stands

ZB20. 8 1/2 x 20 x 8 1/2 in. \$89/pr
ZB14. 8 1/2 x 14 x 8 1/2 in. \$79/pr

STUART-TOWNSEND-CARR

Stuart-Townsend-Carr offers five different sizes of CD racks ranging in capacity of 336 to 896 CDs. All sizes are available in oak, cherry, walnut, white, or black lacquer finish. Contact the manufacturer for further information.

Model 560 CD Rack. Hand-crafted of solid hardwood; rotary structure. Holds up to 560 CDs. \$875

TDK

HD-30 Tape-Head Demagnetizer. Features audible operation and termination indicators. \$28
RCL-11 DAT Head Cleaner. Dry type. \$20
CD-C1 CD Cleaner. Hand-held wet/dry type. \$15
NF-C09 Digital Noise Absorber. Reduces EMI and RFI; ferrite cable clamps. \$15
HCW-01 Tape-Head Cleaner. Wet type. \$9
HCL-11 Tape-Head Cleaner. Dry type. \$2

TENDERFEET

Spike Feet II. 8 foot spikes. Includes nuts, brass inserts, Brad-point drill, and drill stop. \$30

Tendercups. Isolation device for components. Silver or black anodized aluminum; small or large. Price dependent on size and color starting from. \$5.50

TERK

AF9900 Powered Indoor AM/FM Antenna
 Features Schotz amp. Gamma-loop element for unidirectional/omnidirectional reception and noise rejection. -20 to +42 dB gain. 110 or 220 V. White \$90
AF9925. As above, black \$90
AF9950. As AF9900, granite \$90
 FM-only version \$80

AF9425 Amplified Indoor AM/FM Antenna

Sculptured-wedge enclosure. Gamma-loop element for unidirectional/omnidirectional reception and noise rejection. 9-, 18-, or 33-dB gain. 110 or 220 V. \$60

AF3000 Powered Indoor AM/FM Antenna. Sculptured mini-tower design. 0- to 28-dB gain; 110 or 220 V. Granite. \$35

FM9300 Powered Indoor FM Antenna

Unidirectional/omnidirectional reception; 360° range. Includes 75-to-300-ohm Imp adaptor. Operating band 88-108 MHz; amp gain adjustable 0-25 dB; twin-tone modulation distortion 1% at 100 mV. 110 or 220 V. 3 x 17 1/4 x 4 1/8 in. \$25

FM2000 FM+ Indoor Antenna

5-in square antenna. Unidirectional/omnidirectional reception; 360° range. Includes 75-to-300-ohm Imp adaptor. Operating band 88-108 MHz. 5 1/2 x 1 3/4 in. \$19.95

TRACKMATE

TM161 Cassette Cleaner/Demagnetizer. 5 gear-driven brushes. Includes cleaning solution. \$14.95

TM371 CD Care Device. Floating brush for radial cleaning while CD remains in case. \$12.95

TREE DIMENSIONS

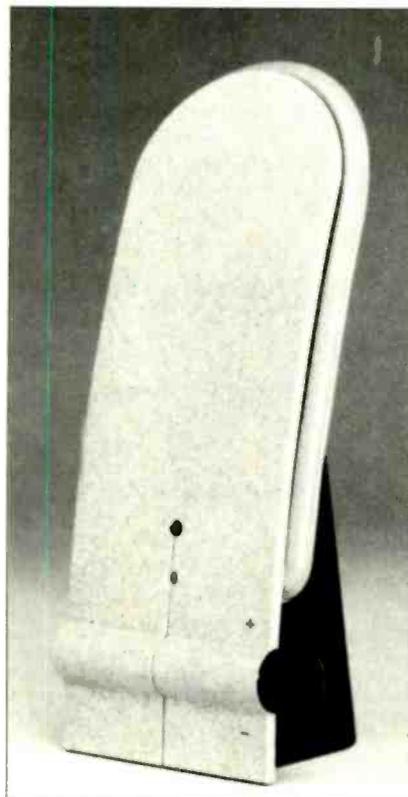
SP 10 Speaker Stand

Supports 100 lb. Honey-oak or black-lacquer finish. 12 x 28 x 14 in; 24 lb. \$100

AV Shelves. Honey-oak or black-lacquer finish. \$20
Snap Slides. Honey-oak or black-lacquer finish. \$6

Stack Rack Series

SR07. A/V storage cabinet. Holds 270 CDs, 150 cassettes, or 60 VHS tapes. Solid oak construction; black-lacquer or honey-oak finish. 20 x 23 x 15 in; 49 lb. \$235



Terk AF3000

SR01. Double base unit with casters. Black-lacquer or honey-oak finish. 41 1/2 x 4 3/4 x 15 in. \$65

SR08. Holds 75 videodiscs or 125 LPs. 20 x 14 7/8 x 15 in; 17 lb. \$55

SR03. Holds two components. Stackable. 20 x 14 7/8 x 15 in; 15.5 lb. \$55

SR02. Holds two components. Base unit. 20 x 11 3/8 x 15 in; 14 lb. \$45

SR00. Single base unit with casters. Black-lacquer or honey-oak finish. 20 x 4 1/2 x 15 in. \$45

Audio/Video Library Series

The following are available in black-lacquer, honey-oak, or combination finish.

AV 330. Holds 330 CDs, 180 cassettes, or 105 VHS tapes. 24 1/4 x 50 x 8 1/2 in; 59 lb. \$225

AV 220. Holds 220 CDs, 132 cassettes, or 63 VHS tapes. 24 1/4 x 35 x 8 1/2 in; 44 lb. \$165

Mediatile Series

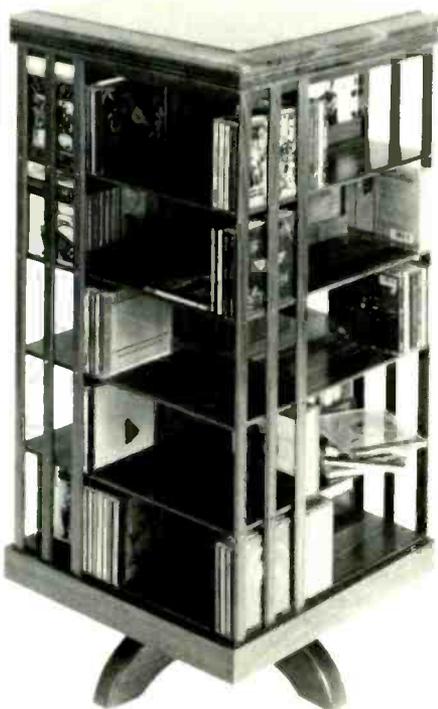
CD 550. Holds 552 CDs or 336 cassettes. Solid oak construction; black-lacquer or honey-oak finish. 30 x 62 x 10 3/4 in; 52 lb. \$200

CD 450. Holds 450 CDs or 270 cassettes. Honey oak finish. 22 x 58 x 8 1/2 in; 32 lb. \$150

CD 250. Holds 260 CDs, 160 cassettes, or 20 VHS tapes. Honey oak finish. 23 1/2 x 35 x 8 1/2 in. \$100

CD 130. Holds 135 CDs, 80 cassettes, or 17 VHS tapes. Can be wall mounted or free standing. Honey oak finish. 20 x 17 1/4 x 6 1/2 in. \$50

CD 40. Holds 40 CDs, 24 cassettes, or 16 VHS tapes. Stackable. Honey oak finish. 18 x 7 1/2 x 6 1/2 in; 3 lb. \$15



Stuart-Townsend-Carr Model 560

B L A N K T A P E

BASF

DCC Maxima Digital Compact Cassettes
Co-developed with Philips.

D-90. 90 min	\$12.99
D-75. 75 min	\$10.99

Chrome Maxima II High-Bias Cassettes
Double-coated chromium dioxide.

C100. 100 min	\$3.99
C90. 90 min	\$3.49
C60. 60 min	\$3.25

Chrome Super II High-Bias Cassettes
Double-coated chrome formulation.

C100. 100 min	\$3.33
C90. 90 min	\$2.99

Chrome Extra II High-Bias Cassettes

C100. 100 min	\$2.79
C90. 90 min	\$2.29
C60. 60 min	\$1.89

Ferro Extra I Normal-Bias Cassettes

C100. 100 min	\$1.89
C90. 90 min	\$1.59
C60. 60 min	\$1.45

DENON

MG-X100 Metal Cassette
Features pure-metal formulation; shell of high-temperature-resistant high-specific-gravity composite material with antiresonance elliptical groove design.

100 min	\$8.99
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Digital Audio Tapes

K-90DS. 90 meters. Data storage	\$18.99
K-60DS. 60 meters. Data storage	\$14.99
R-120DT. 120 min	\$12.99
R-90DT. 90 min	\$10.99
R-60DT. 60 min	\$8.99
R-20DM. 20 min. Demo Master	\$7.99

HDM Metal Cassettes
Features pure-metal formulation; antiresonance shell.

HDM-100. 100 min	\$5.99
HDM-90. 90 min	\$5.50
HDM-74. 74 min	\$4.99

HD8 High-Bias Cassettes
Features formulation combining pure-metal particles and cobalt-doped ferric oxide; antiresonance shell.

HD8-100. 100 min	\$4.99
HD8-90. 90 min	\$4.75
HD8-74. 74 min	\$4.25
HD8-60. 60 min	\$3.75

HD7 High-Bias Cassettes
Features antiresonance shell.

HD7-100. 100 min	\$4.25
HD7-90. 90 min	\$4
HD7-74. 74 min	\$3.50

HD6 High-Bias Cassettes
Features antiresonance shell.

HD6-100. 100 min	\$3.50
HD6-90. 90 min	\$3.25
HD6-74. 74 min	\$2.75

S-Port Cassettes
Features thin case with rounded edges; antiresonance shell.

S-Port Metal	\$3.49
S-Port High	\$2.49

DX1 Normal-Bias Cassettes

DX1-90. 90 min	\$2.25
DX1-60. 60 min	\$1.75

FUJI

Analog cassettes feature thin shell; rounded edges.

Digital Audio Tapes
Super-fine magnetic particles.

120 min	\$12.95
90 min	\$11.95
60 min	\$10.95

Digital Compact Cassettes

90 min	\$9.99
60 min	\$8.99

FR Series Metal Cassettes

100 min	\$6.49
90 min	\$5.99
60 min	\$5.49

ZII High-Bias Cassettes

100 min	\$5.49
90 min	\$4.99
60 min	\$4.49

FR-IX PRO Series High-Bias Cassettes
Double-coated tape in temperature-resistant shell.

100 min	\$5.49
90 min	\$4.99
60 min	\$4.49

FR-IX Series High-Bias Cassettes
Double-coated tape.

100 min	\$4.49
90 min	\$3.99
60 min	\$3.49

DR-II Series High-Bias Cassettes
Double-coated tape.

100 min	\$3.49
90 min	\$2.99
60 min	\$2.49

DR-I Series Normal-Bias Cassettes

90 min	\$1.99
60 min	\$1.49

GEMINI INDUSTRIES

Concert Series High-Bias Cassettes

CS1010B. 100 min. 10 pk	\$17.99
CS1005B. 100 min. 5 pk	\$8.99
CS1002. 100 min. 2 pk	\$3.49
CS762. 76 min. 2 pk	\$2.49

Special Events Normal-Bias Cassettes

SE9010B. 90 min. 10 pk	\$10.99
SE905B. 90 min. 5 pk	\$5.99
SE905. 90 min. 5 pk	\$5.99
SE605. 60 min. 5 pk	\$4.99
SE902. 90 min. 2 pk	\$2.49
SE602. 60 min. 2 pk	\$1.99

Multi Purpose Normal-Bias Cassettes

MP6012B. 60 min. 12 pk	\$4.49
MP908B. 90 min. 8 pk	\$3.99
MP903. 90 min. 3 pk	\$1.49
MP603. 60 min. 3 pk	\$0.99
MP902. 90 min. 2 pk	\$0.99

LORAN

ESQ-90 High-Bias Cassette. Features polycarbonate shell. 90 min

	\$4.99
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Pro Digital Audio Tapes. Made to custom lengths.

Pro-DAT 140. 140 min	\$13.80
Pro-DAT 120. 120 min	\$11.50
Pro-DAT 90. 90 min	\$10.25
Pro-DAT 75. 75 min	\$9.50
Pro-DAT 60. 60 min	\$8.75
Pro-DAT 45. 45 min	\$7.25
Pro-DAT 30. 60 min	\$6.50
Pro-DAT 20. 20 min	\$6.00

MAXELL

XLI Back-Coated Open-Reel Tapes

XLI 35-180B. 3,600 ft. 10 1/2-in reel	\$39
XLI 35-90B. 1,800 ft. 7-in reel	\$13.99

Ultra-Dynamic Open-Reel Tapes

UD35-180. 3,600 ft. 10 1/2-in reel	\$32
UD35-90. 1,800 ft. 7-in reel	\$9.99

Digital Audio Tapes

R-120DM. 120 min	\$14.99
R-90DM. 90 min	\$12.99
R-60DM. 60 min	\$10.99
R-46DM. 46 min	\$8.99

Metal Vertex Metal Cassettes

MV-90. 90 min	\$14.99
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MX-S Metal Cassettes

MX-S 100. 100 min	\$5.99
MX-S 90. 90 min	\$5.29
MX-S 60. 60 min	\$4.39

UD Cassettes

UDII 90. 90 min. 2 pk	\$5.99
UDII 60. 60 min. 2 pk	\$4.99

XLII-S Epitaxial Cassettes

XLII S-100. 100 min	\$4.99
XLII S-90. 90 min	\$4.39
XLII S-60. 60 min	\$3.59

MX Metal Cassettes

MX-110. 100 min	\$4.49
MX-90. 90 min	\$3.99
MX-60. 60 min	\$2.99

XLII Epitaxial Cassettes

XLII-100. 100 min	\$4.39
XLII-90. 90 min	\$3.79
XLII-60. 60 min	\$3.29
XLII-45. 45 min	\$3.29

XLI Cassettes

XLI-100. 100 min	\$3.29
XLI-90. 90 min	\$2.39
XLI-60. 60 min	\$1.89
XLI-46. 46 min	\$1.89

UR Cassettes

UR-120. 120 min	\$2.79
UR-90. 90 min	\$1.79
UR-60. 60 min	\$1.49
UR-45. 45 min	\$1.49

MEMOREX

Digital Compact Cassettes

DRX-90. 90 min	\$9.99
DRX-60. 60 min	\$7.99

CDX IV Metal Cassettes

110 min	\$7.99
90 min	\$6.99

HBS High-Bias Cassettes

110 min	\$5.29
90 min	\$4.39
60 min	\$3.99

dBs Normal-Bias Cassettes

120 min	\$1.99
110 min	\$1.79
90 min	\$1.59
60 min	\$1.29
46 min	\$1.19

MRX I Normal-Bias Cassettes
Features clear shell; lifetime warranty.

90 min	\$1.89
60 min	\$1.59

RADIO SHACK

SD-90. Blank DCC. 90 min	\$9.99
Model 44-1018. 7-in open reel. 1,800 ft	\$4.99

Supertape High-Bias Cassettes

HD-90. 90 min. 5 pk	\$12.99
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B L A N K T A P E

HD-90. 90 min. 3 pk	\$7.99
HD-60. 60 min. 3 pk	\$6.49
MII-100. 100 min	\$4.99
MII-90. 90 min	\$4.79
MII-76. 76 min	\$4.49
MII-60. 60 min	\$3.99
HD-100. 100 min	\$3.69
HD-76. 76 min	\$2.79

Supertape Metal-Bias Cassettes

MIV-90. 90 min	\$5.99
MIV-60. 60 min	\$4.99

Supertape Normal-Bias Cassettes

XR-90. 90 min. 3 pk	\$5.29
XR-60. 60 min. 3 pk	\$3.99
LN-120. 120 min. 2 pk	\$3.49
XR-120. 120 min	\$2.79
LN-90. 90 min. 2 pk	\$2.39
LN-60. 60 min. 2 pk	\$1.99
LN-30. 30 min. 2 pk	\$1.69

SCOTCH

Digital Audio Tapes

DAT-120. 120 min	\$12.99
DAT-90. 90 min	\$11.99
DAT-60. 60 min	\$9.99
DAT-46. 46 min	\$8.99

High-Bias Cassettes

XS II-S. 90 min	\$3.99
XS II-S. 60 min	\$2.99

Normal-Bias Cassettes

CX. 90 min	\$2.99
CX. 60 min	\$2.49
BX. 90 min	\$1.99
BX. 60 min	\$1.69

SONY

Digital Audio Tapes

Features 0.2-micron particles.

120 min	\$18
90 min	\$15.99
60 min	\$12.49

MiniDiscs

74 min	\$16.99
60 min	\$13.99

Metal Master Metal Cassettes

90 min	\$10.99
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UX Turbo High-Bias Cassettes

100 min	\$4.49
90 min	\$3.99
60 min	\$3.29

UX-Pro High-Bias Cassettes

90 min	\$4.49
60 min	\$3.99

Metal-SR Metal Cassettes

100 min	\$3.99
90 min	\$3.49
60 min	\$2.99

CDit Metal Cassettes

100 min	\$3.99
94 min	\$3.49
74 min	\$2.99
54 min	\$2.49

UX High-Bias Cassettes

100 min	\$3.69
90 min	\$3.19
60 min	\$2.49

CDit High-Bias Cassettes

100 min	\$3.49
94 min	\$2.99
74 min	\$2.49
54 min	\$1.99

HF Normal-Bias Cassettes

120 min	\$2.69
90 min	\$1.69
60 min	\$1.59

TDK

MA-XG Metal Cassettes

Features 5-piece mechanism.

90 min	\$18.99
60 min	\$16.99

MD-XG MiniDiscs

74 min	\$17.49
60 min	\$13.99

Digital Audio Tapes

120 min	\$14.99
90 min	\$12.99
60 min	\$10.99
16 min	\$8.99

MA-X Metal Cassettes

100 min	\$5.99
90 min	\$5.29
60 min	\$4.39

SA-X High-Bias Cassettes

100 min	\$4.99
90 min	\$4.49
60 min	\$3.99
50 min	\$3.99

MA Metal Cassettes

110 min	\$4.49
90 min	\$3.99
60 min	\$2.99

SA High-Bias Cassettes

100 min	\$4.39
90 min	\$3.79
60 min	\$3.29
50 min	\$3.29

SD High-Bias Cassettes

100 min	\$3.69
90 min	\$2.99
60 min	\$2.49
50 min	\$2.49

DS-X Normal-Bias Cassettes

100 min	\$3.69
90 min	\$2.99
60 min	\$2.49

D Normal-Bias Cassettes

120 min	\$2.99
90 min	\$1.99
60 min	\$1.69
50 min	\$1.69
30 min	\$1.49

3M BLACK WATCH

The following feature a lifetime warranty.

996 Open-Reel Studio Mastering Tape

1.5 mil, 2,500 ft. 10 1/2-in reel	\$36
1.5 mil, 1,200 ft. 7-in reel	\$15

Digital Compact Cassettes

DCC-2002. 90 min	\$20
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7707 Digital Audio Tapes

Proprietary pure-metal-particulate magnetic formulation.

DT-120. 120 min	\$16
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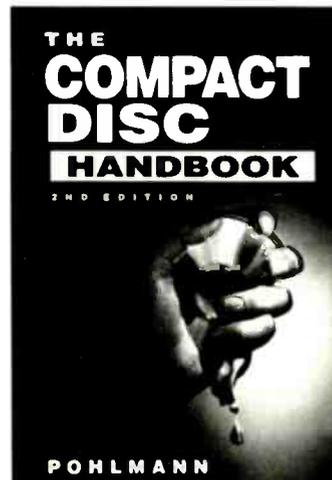
4040 Metal Cassettes

100 min	\$6
74 min	\$5

2020 High-Bias Cassettes

100 min	\$5
74 min	\$4

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To celebrate 10 remarkable years, Ken Pohlmann has completely updated his popular guide to the wonders of CD technology. *The Compact Disc Handbook* makes the abstruse simple. This revised edition adds new sections on optical and electronic principles underlying the CD—not to mention the latest details on new CD player designs.

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Executive Editor,
Stereo Review

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a/d/s/

SC6 Audio Controller

6 zones; 8 inputs. Additional units may be added to control up to 96 zones. Designed for use with CP6 Interface. Features microprocessor control; subwoofer crossover. Infrared repeating, on-board universal remote control capabilities, and directed infrared command outputs for each source; 5 system presets; temporary room linking; separate audio-control functions for each room; door-bell and phone mute functions; programmable zone lock-outs. FR 20-20,000 Hz \pm 0.5 dB; THD 0.01% and S/N 100 dB at 1 V. 17 1/4 x 3 1/2 x 15 1/2 in. \$2,800
CP6. Graphic LCD user interface for above. Connects via modular phone cable; mounts in 3-gang wall box. Menu-driven point-and-click control for all SC6 functions; infrared sensor; labelling for sources and zones \$350

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. S/N 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

IRROH3W Infrared Sensor. Provides remote-location use of A/V components when connected to the S84 or RSS14T. Flush mounts in electrical junction box \$59

AUDIOACCESS

MRX Audio Controller

6 zones. 4 inputs; 6 line-level outputs; tape output for main zone. 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 5 5/8 x 15 in; 35 lb \$4,500
KPS. Wall-mount keypad for above. Features source-selection and volume controls; built-in infrared sensor. Fits single-gang box \$250

PX-6 Audio Controller

1 zone; 5 audio inputs, 4 outputs; infrared input/output. One PX-6 required per zone. Expandable design; local-source compatibility; volume control; rack-mountable chassis \$1,000

KP1. Wall-mount keypad for above. Source-selection and volume controls. Fits single-gang box \$200

AUDIO CONTROL

The Director Dual-Input Speaker Selector

6 independent/simultaneous zones. 2 audio inputs; 5-way binding posts. Features impedance protection to maintain 4-ohm or higher impedance to prevent amplifier overload. Defeatable independent level controls for main system speakers; individual zone switches. Rack mount optional. Power handling 450 W, 150 W with level control engaged. 17 x 11 1/2 x 3 1/2 in; 9 lb \$299

AUDIO DESIGN ASSOCIATES

System 8000 A/V Controller

8 zones; expandable to 16, 24, or 32 zones. Requires keypad or remote-control accessory. Features 8 plug-in integrated-amplifier cards each providing 40 W/ch into 4 ohms. Proprietary ADA Bus interface. 8 Input-selection cards; compatibility with computer home-automation systems; touch-screen control compatibility; simultaneous playback of 8 sources; central or remote-control source selection; volume,



bass, and treble controls; source transport control and infrared repeating \$26,250

System Omega A/V Controller

6 zones; 8 sources. Requires keypad or remote-control accessory. Features one Alpha-8R system line driver (for 8 sources) with direct-access record selection. Proprietary ADA Bus interface. Expandable design; compatibility with computer home-automation systems; touch-screen control compatibility; simultaneous playback of 8 sources; central or remote-control source selection; volume, bass, and treble controls; source transport control and infrared repeating. Includes one CR-8A integrated amplifier (list below) for each zone \$12,960

CR-8P. One-zone preamplifier for above. Features volume, bass, and treble controls; switched AC outlet; signal-processor loop; variable line-level output; room-balance EQ \$NA

CR-8P Plus. As CR-8P, with motor-driven potentiometers for volume, bass, and treble controls \$NA

CR-8P XLR Plus. As CR-8P Plus, with transformerless balanced XLR outputs \$NA

CR-8A. One-zone integrated amplifier for System Omega. Features high-current 2-ohm-stable fan-cooled power amplifier with metal transistors; volume, bass, and treble controls; switched AC outlet; signal-processor loop; variable line-level output; room-balance EQ \$NA

CR-8A Plus. As CR-8A, with motor-driven potentiometers for volume, bass, and treble controls \$NA

System 100 A/V Controller

8 zones. Keypads not included. Includes PF-200 MOSFET high-current power amplifier with 1/2-ohm stability and fan cooling. SC-100 source selector/speaker controller, and ADP-8 multiroom-system preamplifier. Features central control of 8 rooms; master-volume, source-selection, system/room-off, and recording controls \$4,268

System 699 Audio Controller

Features individual-speaker on/off control per zone; system-on/off, master-volume, and source-select controls from unit; zone-on/off, zone-volume, source-transport command, and system shut-off controls from zones. Volume control not included. Includes four MC-59 keypads \$1,127

AS-1000 Auto Scanalyzer

10-band/ch audio display for peak hold, input level, and max level \$700

CCA-20 Speaker Switcher

Designed to automatically switch speakers to the output of a TV and provide amplification for the TVs output. Features 15 W/ch into 4 ohms amp \$420

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 \$340

CCS-4 Triggering Device

Triggers AC outlet with adjustable current sensing and low-voltage AC/DC triggering devices \$340

ISO-V Composite-Video Isolation Amplifier

Minimizes noise in long video-line runs \$340

CCS-3 Speaker/AC Outlet Switcher

Adjustable AC-current-sensing device that enables one speaker pair to be switched between 2 amplifiers \$340

XLRX-1 Line Converter

Converts unbalanced line-level signal to balanced line-level signal. 2 RCA-jack inputs; 2 XLR-jack outputs. Features transformerless design \$340

XLRR-1. As above, converts balanced line-level signal to unbalanced line-level signal. 2 XLR-jack inputs; 2 RCA-jack outputs \$340

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 \$305

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 DC triggers switched outlets \$305

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 \$305

LLS-2 Line-Level Switcher

2 pole. Features independent grounds; 24-V AC DC trigger \$305

SLS-1 Low-Voltage Speaker Switcher

Enables one speaker pair to be used with 2 amplifiers. 24-V AC/DC switching-device trigger \$160

System 8000 and System Omega Keypads

One of the following is required to control the System 8000 or System Omega. Models feature one-key direct source selection among 8 sources, single-source transport command, volume, bass, and treble controls, zone- and system-off controls, and LED source-select and zone-off indicators.

MC-009. Wireless remote control. Features all-metal enclosure. Available as wall-mount or table-top box \$NA

MC-1676. Decora-style keypad \$NA

MC-16.5. Single-gang room keypad. Available as wall-mount or table-top box \$NA

MC-1600. Double-gang room keypad. Available as wall-mount or table-top box \$NA

MC-1609. Wall-mount room keypad with infrared receiver \$NA

MC-1616. All-weather triple-gang outdoor keypad. Features rubber-sealed buttons. White \$NA

**System 8000 and System Omega Accessories
System 3000**

Bidirectional serial-data-interface upgrade to System 8000 or System Omega; provides full transport control of up to 8 sources; utilizes proprietary ADA Bus for computer control of compatible components; displays status and other information from ADA Bus components on MC-3000 keypad or MC-0064 wireless remote control (not listed); keypads not included. Features full MT-3000 multi-tuner control providing station-frequency display, SSD-66 or SSD-66THX surround-sound processor control (see Signal Processors) providing mode, volume-level, preset, and time-delay displays; control for VS-3 A/V-switcher (8 inputs, 3 outputs) providing status displays. Includes CIC-3000 computer-interface controller (one required per 16 rooms) featuring RS-232 port for bidirectional communication with home-automation control systems or PCs \$1,740

M U L T I R O O M C O M P O N E N T S

MC-3000. Bidirectional keypad for System 3000. Features one-key direct source selection, volume, bass, and treble controls; source-transport controls (e.g. play, stop, pause); zone/system-off control. 12-character LED display with room-name, source, and function indicators; radio-frequency/TV-channel display with 4-character labeling; favorite-play mode and disc/track/artist name displays when used with Gefen CDJ Pro/Pioneer CAC-V3000 300-disc CD changer (not listed). Choice of wall-plate, table-top box, or all-weather outdoor design \$NA

ZS-1 Zone Splitter

Permits two or more rooms to share one zone amp or preamp; provides turn-on/off controls and volume adjustment for each room. One required per room \$NA

PCT-4 Pulse-Code Translator

Communicates to most source components for access to the source's infrared commands from keypads by repeatedly pressing that source's button \$NA

WH-8000. Wire harness to connect all keypads to grounding platform. One required per 8 rooms . \$NA

WH-IRX-8. Wire harness to filter out zone infrared commands and pass source infrared commands to PCT-4 \$NA

System 100 Keypads

All models permit direct access of one of 3 sources. All models feature volume and room/system-off controls and an LED indicator with source-playing and zone-status displays.

MC-1111. Decora-style keypad	\$NA
MC-1001. Single-gang keypad with volume control	\$NA
MC-1010. Double-gang keypad with volume control	\$NA
MC-1110. Double-gang keypad with electronic volume control, infrared receiver, and volume-level LED indicator	\$NA
MC-100T. Table-top keypad	\$NA
MC-100OD. All-weather outdoor keypad	\$NA

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

Compatible with SL-D display module; fits standard switch box. Features 9 keys; 16 functions \$180

RemoteSystem 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. Multitransmitter for in-cabinet mounting	\$120
IR-R2. Infrared receiver	\$100
IR-T1. Infrared repeater/transmitter	\$90

EPITOME BY GC ELECTRONICS

Model 65-2006 Speaker Selector

Selects up to 6 speaker pairs of any impedance. Auto load imp protection; 4-ohm switch; isolated L/R channels; push terminals for 8-22 gauge cable. Power handling 40 W rms. 17 x 2 3/4 x 6 in \$350

Model 65-2025 Speaker Distribution Box

2 stereo-pair inputs; 8 sets of outputs. Accepts 8-22 gauge wires; switchable imp protection; isolated L/R channels. Power handling 300 W protection on, 180 W protection off. 19 x 3 1/2 x 2 1/4 in \$225

Model 65-2004 Speaker Selector

Select up to 4 pairs of 8 or 16 ohm speakers. Auto load imp protection; isolated L/R channels. Power handling 40 W rms. 17 x 3 1/4 x 5 in \$172

Model 65-3535 6 Volume Control

Fits Decora switch box. Features adjustable 2-32 ohms impedance; 12 steps; 34-dB attenuation range. Power handling 35 W. 1 3/8 x 2 7/8 x 2 1/4 in. Ivory or white \$75

Volume Control Module

Features 12 steps. Power handling 35 watts; impedance 4, 8, or 16 ohms. Ivory or white; Decora or standard wall plate \$60

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

KUSTOM

KHS400 300-W Amplifier

Combines amplifier for 4 zones with single-zone subwoofer amp; designed for in-wall mounting. 25 W x 2 into 8 ohms for each of 4 zones + 200 x 1 for subwoofer. Power, volume, balance, bass, and treble controls possible from each zone. Frequency response 20-20,000 Hz ± 2 dB; total harmonic distortion 0.05%; signal-to-noise ratio 90 dB; damping factor 100. Dimensions: 17 x 17 x 4 1/2 in \$1,599

KHS200. As above, without subwoofer amplifier	\$1,250
KAC1. Wall-mount keypad to provide power, volume, balance, bass, and treble controls for one zone when used with KHS400 or KHS200	\$130
KA12. Wall-mount audio input for KHS400	\$170

MCINTOSH

CR-10 A/V Controller

4 zones; 1 video, 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. Frequency response 20-20,000 Hz +0, -0.5 dB; signal-to-noise ratio 86 dB \$2,000

MVS-3. Adds A/V switching capability to above. Features S-video inputs	\$550
MHC-1. Enables CR-10 to control 6 additional electronic devices	\$550
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	\$440
ACM-1. Plug-in module for CR-10 to provide independent input selection and volume control for 1 zone. CR-10 accepts up to 4 modules	\$330

Accessories

R-657. Infrared repeater	\$300
R-612. Power relay	\$220
WK 1. In-wall keypad. White or ivory finish	\$220
R-606. Multiple-sensor adaptor	\$130
R-649. Switch-box-mount remote sensor	\$110
R-668. Infrared flood emitter	\$80
R-615A. Video-signal/DC-control adaptor	\$70
HR-10. Remote control for CR-10	\$55
HR-667. Low-power infrared emitter	\$45

NILES

Component Commander Series

The following components provide switching and control capabilities 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 amps	\$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. Remote control for SR-6	\$99

Infrared Components and Accessories

The following transmit and receive infrared control signals for a multiroom audio system.

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. Remote control 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 control for above \$90

IRP-6A Infrared Repeater. Main system for 6 zones. 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 enables switching among multiple-speaker complements in 2 zones	\$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

MULTIROOM COMPONENTS

CU-MR100 Remote Control. For use with MR-100. Features 24 keys \$28

RUSSOUND/FMP

CS-1 Multi-Source/Multi-Zone Selector
8 zones; 6 line-level audio sources. Up to 8 amplifiers can be connected. Individual-zone on/off control; remote control of source, volume, and all-zones off. 17 x 16 x 7 in \$4,800
CS-1 I/R. Remote control for above \$500

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. Fits 2-gang switch box. 2 $\frac{3}{8}$ x 1 $\frac{3}{4}$ x 2 $\frac{5}{8}$ in \$64
ALT. Power handling 25 W rms; attenuation 35 dB. Fits single-gang switch box. 1 $\frac{5}{8}$ x 2 $\frac{7}{8}$ x 2 $\frac{1}{2}$ in \$32
LPT. Power handling 10 W rms; attenuation 35 dB. Fits single-gang switch box. 1 $\frac{5}{8}$ x 2 $\frac{7}{8}$ x 1 $\frac{3}{8}$ in \$28

SONANCE

AF8 Impedance Matching System

Passive device to match impedances of 8 speaker pairs via adjustable output taps; for amplifiers rated from 50-200 W/ch rms. 1 source; 12-gauge screw-type outputs for 8 speaker pairs. Independent L/R ground paths. 16 $\frac{3}{4}$ x 3 $\frac{1}{2}$ x 4 $\frac{3}{4}$ in \$289

TC-1. 2-channel line-level bass and treble controls designed for one zone \$160

Speaker Distribution Systems

The following switch speaker-level source inputs for a specified number of speaker pairs.

SDS-4VC

Independently switches either of 2 sources for any of 4 speaker pairs. Features switchable circuit protection; self-cleaning silver-plated switch contacts. Independent L/R ground paths; independent 50-W/ch volume controls for each speaker pair. Power handling 80 W/ch rms. 16 $\frac{3}{4}$ x 1 $\frac{3}{4}$ x 11 $\frac{1}{2}$ in \$489
SDS-4AB. As SDS-4VC, speaker pairs can be switched to only one source at a time. Features auto protection. Power handling 200 W/ch rms \$300
SDS-4. As SDS-4AB, 1 source input. Features parallel source output for additional switcher \$262
SDS-4MP. As SDS-4, manual circuit protection. Power handling 100 W/ch rms \$229

SDS-6 + VC

2 source; independently switches 6 speaker pairs. Features auto protection; self-cleaning silver-plated switch contacts. A/B source select, volume control, and volume-control-bypass switch for primary speaker pair; separate L/R ground paths. Power handling 100 W/ch rms. 16 $\frac{3}{4}$ x 1 $\frac{3}{4}$ x 11 $\frac{1}{2}$ in \$483
SDS-6. As 6 + VC, 1 source input. Without primary-speaker controls. Features parallel source output for additional switcher. Power: 200 W/ch \$425
SDS-6MP. As SDS-6, without parallel source output. Features manual circuit protection \$386

VC504P In-Wall Switcher/Volume Control

2 sources; 4 outputs. Enables 4 speaker pairs to be independently switched to either source. Features common ground paths; protection circuitry; self-cleaning silver-plated switch contacts. 14-gauge screw-type outputs. A/B source switch, on/off button, and 50-W/ch volume control for each speaker pair. Power handling 50 W/ch. Includes white or ivory 5-gang wallplate. 8 $\frac{3}{4}$ x 4 $\frac{1}{8}$ x 2 $\frac{1}{2}$ in \$360
VC504. As above, without protection circuitry \$320

DB6

1 source; independently switches 6 speaker pairs. Features switchable circuit protection. Parallel source output for additional switcher; separate L/R ground paths. Power handling without protection 100 W/ch. 10 $\frac{7}{8}$ x 1 $\frac{3}{4}$ x 4 in \$175

AS-1 Automatic Switcher

To automatically switch from a main amplified source to a remote amplified source; for amps up to 100 W/ch rms. 2 speaker-level inputs; screw-type connectors. Adjustable input sens and switching time between sources; LED active-source indicator; control output for additional switcher. 2 $\frac{7}{8}$ x 4 x 1 $\frac{1}{2}$ in. \$150
AL-1. As above, for line-level sources. Gold-plated RCA jacks \$150
AS-1/S. Speaker-level slave unit for AS-1/AL-1 \$95
AL-1/S. Line-level slave unit for AL-1/AS-1 \$95

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.

ROC-1. Infrared receiver for placement in cabinets or shelves. Phone jacks. 1 $\frac{3}{8}$ x 1 $\frac{1}{8}$ x 3 in \$86
RIS-1. Amplified in-wall receiver. Features auto-gain circuitry. Phone jacks. Fits single-gang light-switch box. Decora version available. 1 $\frac{1}{2}$ x 4 x 1 in \$84
EOC-1. Amplified in-cabinet emitter. Phone jacks. 1 $\frac{1}{2}$ x 4 x 1 $\frac{1}{8}$ in \$58
EDF-1. Component emitter driver with connections for 4 component emitter flashers. Includes 1 flasher. 1 $\frac{3}{8}$ x 1 $\frac{1}{8}$ x 3 in \$56
EIS-1. Amplified in-wall emitter. Phone jacks. Fits single-gang light-switch box. Decora version available. 1 $\frac{1}{2}$ x 4 x 1 in \$55
CPF-1. Splitter with 4 RJ9C jacks in parallel. 1 $\frac{1}{2}$ x 1 x 1 $\frac{1}{8}$ in \$29
CEF-1. Component emitter flasher for use with EDF-1. 3-m cable with terminated with mini plugs \$10

Volume Controls

VC100A Volume Control
Controls volume for one speaker pair in 10 steps including off. Fits single-gang switch box. Features amplifier protection between steps. Screw-type connectors. Includes knob. Decora version available. Power handling 100 W/ch rms. Brown, white, or ivory. Mounting depth 3 $\frac{1}{4}$ in \$73
VC50A. As above, power handling 50 W/ch rms. Mounting depth 2 $\frac{1}{2}$ in \$62
VC50B. Table-top box version of VC50A. Black. 5 x 2 $\frac{1}{4}$ x 5 in \$120
VC45. As VC50A, power handling 45 W/ch rms. Mounting depth 2 $\frac{1}{4}$ in \$51
VC25. As VC45, power handling 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 \pm 0.1 dB; S/N 95 dB; THD 0.007%. 17 x 4 $\frac{7}{8}$ x 14 in; 16.1 lb \$NA

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 $\frac{3}{8}$ x 10 $\frac{1}{2}$ in; 11.5 lb \$NA

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 $\frac{3}{4}$ x 4 $\frac{3}{4}$ x 4 in; 14 oz \$NA

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 $\frac{3}{4}$ x 1 $\frac{1}{4}$ x 8 $\frac{3}{4}$ 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 above. Can be daisy-chained with other SNX-1 units \$795
T-1 EPROM. Enables SN-1 to support second T-1 tuner in installations where multiple FM sources are 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, 100 x 2 into 2 ohms, or 180 x 1 into 4 ohms \$695
BD-100M. Remote infrared sensor for above \$120

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 single-gang box. Includes Decora wallplate \$150
KP-100 CD EPROM. Enables above to operate specific CD changers; replaces standard software in SN-1 \$100

SPECO

SSB-5 Speaker Selector

Controls up to 5 speaker pairs. Features circuit breaker protection. Stereo phone jack for monitoring. Power handling 50 W/ch \$80

SQUARE D

ELAN Series HD Multiroom Components

The following products require professional installation by an authorized dealer and are not sold separately. A basic system for 5 zones, 4 sources, and telephone/intercom capabilities can be purchased for about \$7,000 plus installation. Contact the manufacturer for further details, other options, and pricing.

Master Control Unit

Audio controller accepts plug-in cards to allow listening of up to 10 sources in as many as 20 zones. Features bass, treble, volume, and other basic-function controls for any source in any zone \$NA

Dual Zone Output Card

Provides line-level outputs for connection to Multi-

MULTIROOM COMPONENTS

Zone Audio Amplifier, source control for 2 sources, and reception of In-Wall Keypad Control Input. For Master Control Unit \$NA

Quad Input Card

Line-level RCA inputs for 4 sources. For Master Control Unit. Loop outputs \$NA

Dual Source Input Card

Line-level RCA or balanced inputs for 2 sources \$NA

Multi-Zone Audio Amplifier

Accepts up to 5 plug-in cards (listed immediately below) to amplify up to two speaker pairs per card; accepts audio input from Master Control Unit. Multiple-unit use possible \$NA

Zone Amp Stereo Card. 50 W x 2 into 8 ohms with 0.08% THD. Features LR input-sens controls; loop output for additional amp card \$NA

Zone Amp Monaural Card. 100 W into 8 ohms with 0.08% THD. Loop output for additional card \$NA

Zone Amp Monaural Subwoofer Card. 100 W into 8 ohms with 0.08% THD. Crossover point selectable at 63, 80, 120, or 200 Hz \$NA

Handheld Infrared Remote Control

Source-select, power, volume, bass, treble, and relay controls. 10 macro-keypress keys \$NA

In-Wall Keypad Control

With infrared receiver for Handheld Infrared Remote Control. System controls include zone/system on/off, source select, volume, and do-not-disturb to suppress phone/doorbell rings. AV source-component controls include play, stop, mute, rewind, fast forward, track skip, and tuner-preset select \$NA

Infrared Interface Card

Controls infrared signal communications between Master Control Unit and AV source equipment; allows operation of up to 10 sources; infrared signals delivered via 3.5 mm phone-jack outputs \$NA

Video Distribution Amplifier

Multiroom video-signal controller distributes CATV and off-air signals to up to 8 rooms. Features signal routing via dual-coaxial wiring. Multiple-unit use possible \$NA

Low-Voltage Relay Card

Enables controls of up to 6 dry-contact relays (for devices like lights, motor-driven drapes, and screens) via system remote control. For Master Control Unit \$NA

Balanced Music Input Wall Plate

For connection of source components to ELAN multiroom components \$NA

TERK

IR-45 Leapfrog Wireless Signal Extender

Adds 150-ft range to a remote control. Includes infrared receiver \$70
Additional transmitter \$19.95
Additional receiver \$14.95

YAMAHA

The following components provide switching and control capabilities 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 AV 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 faceplate \$100

IRX-20 Powered Infrared Emitter

Designed to flood area with infrared signal for multiple component control. Features 3 LEDs; screw-type connector; 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 including one to prevent activation of other components. Includes 5 1/2-ft connecting cord \$12

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Acoustic Interface
Box 747
Santa Barbara, CA 93116
805-964-0247

Acoustic Profiles (see **Audiosphere**)

Acoustic Research
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Canton, MA 02021-2703
617-821-2300

Acoustic Sciences
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Eugene, OR 97402
503-343-9727

Acurus (see **Mondial Designs**)

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E. Brunswick, NJ 08816
908-390-1130

Add n' Stac (see **Royal Sound**)

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606-236-8298

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800-426-4303

Altec Lansing
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800-548-0620

AMC (see **Weltronics**)

American Hybrid Technology
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Trenton, NJ 08629
609-599-3828

Andante (see **Knoll**)

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904-437-5530

Apogee
35 York Ave.
Randolph, MA 02368
617-963-0124

Aragon (see **Mondial Designs**)

Arant
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Marlboro, NH 03455
603-876-4400

Arcam (see **Audio Influx**)

Architectural Acoustics
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Ashland, KY 41101
606-325-7757

Artech
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Champlain, NY 12919
514-631-6448

Atlantic Technology
343 Vanderbilt Ave.
Norwood, MA 02062
617-762-6300

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415-348-8114

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Canada L3R 1C9
416-474-0909

Audiostatic (see **SOTA**)

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416-632-0180

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Stow, OH 44224
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7239 Valley St.
Dalton Gardens, ID 83814
208-772-9207

Bell'Oggetti
711 Ginesi Dr.
Morganville, NJ 07751
908-972-1333

Berning
12430 McCrossin Lane
Potomac, MD 20854
301-926-3371

beyerdynamic
56 Central Ave.
Farmingdale, NY 11735
516-293-3200

BGW Systems
13130 Yukon Ave.
Hawthorne, CA 90250
213-973-8090

Bib
10497 Centennial Rd.
Littleton, CO 80127
800-325-0853

BIC America
883-E Hampshire Rd.
Stow, OH 44224
216-928-2011

Billy Bags
4147 Transport St., Unit A
Ventura, CA 93003
805-644-2185

Blues
400 Richmond Ct.
Stillwater, OK 74075
800-732-8101

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
416-746-1800

Bush Industries
One Mason Dr.
Jamestown, NY 14702
716-665-2000

CADPRO
2525 E. Oakton, Ste. C33
Arlington Heights, IL 60005
708-640-1853

Caig Laboratories
16744 W. Bernardo Dr.
Rancho Bernardo, CA 92127
619-451-1799

**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
3700 Griffith #338
Montreal, Quebec
Canada H4T 1A7
514-738-3225

**Cambridge Audio (see
Weitronics)**

Cambridge Physics
Mill Complex "C", 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

**Carrera (see Vector
Research)**

Carver
Box 1237
Lynnwood, WA 98046
206-775-1202

**Case Casard (see Bush
Industries)**

Case Logic
6303 Dry Creek Pky.
Longmont, CO 80503
303-530-3800

**Castle (see May Audio
Marketing)**

Celestion
89 Doug Brown Way
Holliston, MA 01746
508-429-6706

Cello
315 Peck St.
New Haven, CT 06513
203-865-1237

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 Axiss
Distribution)**

Chord (see NAIM)

Classé Audio
9414 Cote de Liesse Rd.
Lachine, Quebec
Canada H8T 1A1
514-636-6384

Clements (see Audiosphere)

Cliff Designs
1602 Babcock St.
Costa Mesa, CA 92627
714-645-8825

Coast
200 Corporate Blvd. S.
Yonkers, NY 10701
914-376-1500

Coda
9941 Horn Rd., Ste. 150
Sacramento, CA 95827-1952
916-363-4653

Cogent
25166 Via de Anza
Laguna Niguel, CA 92677
714-495-2322

Conrad-Johnson
2800R Dorr Ave.
Fairfax, VA 22031
703-698-8581

Counterpoint
2281 Las Palmas Dr.
Carlsbad, CA 92009
619-431-5050

Creek (see Music Hall)

Crown International
Box 1000
Elkhart, IN 46515-1000
219-294-8000

CSI (see Speco)

CWD
Box 8
North Reading, MA 01864
800-323-2159

Dahlquist
601 Old Willets Path
Hauppauge, NY 11788
516-234-5757

Dana Audio
Box 1
Austin, TX 78767
512-251-7701

Davidson-Whitehall
555 Whitehall St.
Atlanta, GA 30303
800-848-9811

**Day Sequerra (see Acoustic
Research)**

DB Systems
Main St., Box 460
Rindge Center, NH 03461
603-899-5121

DCM
670 Airport Blvd.
Ann Arbor, MI 48108
313-994-8481

Definitive Technology
11105 Valley Heights Dr.
Baltimore, MD 21117
410-363-7148

Dennesen
715 Hale St.
Beverly, MA 01915
508-927-2521

Denon
222 New Road
Parsippany, NJ 07054
201-575-7810

Denonel
1210 E. 223rd St. #309
Carson, CA 90745
800-336-6638

**Design Acoustics (see Audio-
Technica)**

Digital Phase
2841 Hickory Valley Rd.
Chattanooga, TN 37421
615-894-5075

Discwasher (see Recoton)

Don J. Cochran
1900 Embarcadero Rd.
Ste. 109
Palo Alto, CA 94303
415-496-1900

Dual
19 W. 44th St., Ste. 1010
New York, NY 10036
212-840-1976

Duntech
111 South Dr.
Barrington, IL 60010
708-526-1681

D.W. Electrochemicals
97 Newkirk Rd. N.
Richmond Hill, Ontario
Canada L4C 3G4
416-508-7500

Dynaco
125 Cabot Ct.
Hauppauge, NY 11788
516-434-1200

**Dynaudio (see Advanced
Akustic)**

Dynavector (see Muse)

**Dzurko Acoustics (see Audio
Concepts)**

**Electrocompaniet (see
EuroSon)**

**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)

Epic Design Studios
11635 Salinaz Dr.
Garden Grove, CA 92643
800-343-3742

Eplome by GC Electronics
1801 Morgan St., Box 1209
Rockford, IL 61105-1209
815-968-9661

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

EuroSon
694 Ft. Salonga Rd.
Northport, NY 11768
516-261-7700

Expressive Technologies
Box 6401
Holliston, MA 01746
508-429-8911

Fanfare
2100 Old Union Rd.
Buffalo, NY 14227
416-793-7953

Fisher
21350 Lassen St.
Chatsworth, CA 91311-2329
818-998-7322

Forté (see Threshold)

Fosgate-Audionics
Box 70
Heber City, UT 84032
801-654-4046

Fried Products
1323 Conshohocken Rd.
Norristown, PA 19401
215-277-1014

Fuji
555 Taxter Rd.
Elmsford, NY 10523
914-789-8100

GE (see Thomson Consumer Electronics)

Gemini Industries
Box 1115
Clifton, NJ 07014
201-471-9050

Genesis
953 S. Frontage Rd. W.
Ste. 106
Vail, CO 81657
303-476-3012

Geneva
7109 31st. Ave. N.
Minneapolis, MN 55427-2848
612-546-5620

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

Gradient (see Quad)

Grado Laboratories
4614 7th Ave.
Brooklyn, NY 11220
718-435-5340

Guss Enterprises
215 W. 92nd St.
New York, NY 10025
212-580-7401

Hafner
613 S. Rockford Dr.
Tempe, AZ 85281
800-366-2349

Harman Kardon
8380 Balboa Blvd.
Northridge, CA 91325
818-893-9992

Harmonic Precision
427 S. Upper
Lexington, KY 40508
606-259-0206

Harrison Laboratory
Box 1349
Parker, CO 80134
303-841-5360

Hartley
5732 Oleander Dr.
Wilmington, NC 28406
919-392-0500

Heco (see EuroSon)

Heybrook
5800 Overseas Hwy.
Marathon, FL 33050
305-743-7130

Hsu Research
20013 Rainbow Way
Cerritos, CA 90701
800-554-0150

Hughes
Box 7000
Rancho Santa Margarita, CA 92688
800-243-2733

Icon Acoustics
13 Fortune Dr.
Billerica, MA 01821
800-669-9662

Incus
Box 770
Amherst, NY 14221
800-446-0420

Infinity
9409 Owensmouth Ave.
Chatsworth, CA 91311
818-407-0228

Inouye (see Artech)

International Components
105 Maxess Rd.
Melville, NY 11747
516-293-1500

Island
49 Cedar Swamp Rd.
Glen Cove, NY 11542
516-676-7748

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

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

John Marovskis
2889 Roebling Ave.
Bronx, NY 10461
212-892-7419

Joseph Audio
2 Pine Ridge Rd.
White Plains, NY 10603
212-724-2509

Joseph Grado Signature
921 Tice Pl.
Westfield, NJ 07090
908-233-5893

JPW (see Music Hall)

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

Kawasaki (see Royal Sound)

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

Kimber Kable
2752 S. 1900 W.
Ogden, UT 84401
800-223-4039

Klnergetics
Box 4839
Chatsworth, CA 91313
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
#1206-1547 Gulf Rd.
Point Roberts, WA 98281
604-272-4555

Kort
3646 Lyndale Ave. N.
Minneapolis, MN 55412-2163
612-522-0340

Koss
4129 N. Port Washington Ave.
Milwaukee, WI 53212
414-964-5000

Kustom
415 Greenwell Ave.
Cincinnati, OH 45238
513-347-2191

Lancer
12340 McCann Dr.
Santa Fe Springs, CA 90670
310-941-3509

Laredo (see Royal Sound)

Laserline
4045 Clipper Ct.
Fremont, CA 94538
510-659-8222

Last Factory
2015 Research Dr.
Livermore, CA 94550
510-449-9449

D I R E C T O R Y O F M A N U F A C T U R E R S

Lazarus

8130 Coldwater Canyon
N. Hollywood, CA 91605
818-982-6477

Lebo

80 Business Park Dr., Ste. 201
Armonk, NY 10504
914-273-8844

Lenbrook

633 Granite Ct.
Pickering, Ontario
Canada L1W 3K1
416-831-6333

Leslie Dame

111-20 73rd Ave.
Forest Hills, NY 11375
718-261-4919

Lexicon

100 Beaver St.
Waltham, MA 02154
617-736-0300

Lineaum

1238 N.W. Gilsan, Ste. 404
Portland, OR 97209
503-222-5138

Linn

8709 Castle Park Dr.
Indianapolis, IN 46256
317-849-7103

Loran

2715 Pennsylvania Ave. W.
Warren, PA 16365
800-633-0455

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

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

1195 Mahalo Pl.
Compton, CA 90220
310-635-8878

M&K Sound

10391 Jefferson Blvd.
Culver City, CA 90232
310-204-2854

Marantz

1150 Feehanville Dr.
Mount Prospect, IL 60056
708-299-4000

Marchand

1334 Robin Hood Lane
Webster, NY 14580
716-265-4930

Mark Levinson (see Madrigal)

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

650 Franklin Ave.
Aliquippa, PA 15001
412-375-9203

Melody Audio

1940 Blake St., Ste. 101
Denver, CO 80202
303-295-3100

Melos

452 Lincoln Blvd.
Middlesex, NJ 08846
908-302-2552

Memorex

Box 901021
Fort Worth, TX 76101
817-878-6700

Meridian

3800 Camp Creek Pky.
Bldg. 2400
Atlanta, GA 30331
404-344-7111

Merlin

Box 146, Hemlock, NY 14466
716-262-4310

Merrill Audio

2125 Central Ave.
Memphis, TN 38104
901-272-1410

Microscan (see EuroSon)

Mind's Eye

Box 567
S. Wellfleet, MA 02663
508-255-3714

Mirage (see Audio Products International)

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

Modern Audio Consultants

112 Swanhill Ct.
Baltimore, MD 21208
410-486-5975

Mogami

Box 2027
Culver City, CA 90230
213-390-6608

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

Box 1355, Buffalo, NY 14205
416-428-2800

Monrio (see Bruce Moore Audio Design)

Monster Cable

274 Wattis Way
S. San Francisco, CA 94080
415-871-6000

Morel

414 Harvard St.
Brookline, MA 02146
617-277-6663

Motif (see Conrad-Johnson)

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

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
310-538-8150

NEAR

12 Foss Rd.
Lewiston, ME 04240
207-795-0609

Nestorovic Labs

8307 N.E. 110 Pl.
Kirkland, WA 98034
206-821-0225

NHT

535 Getty Ct., Bldg. A
Benicia, CA 94510
800-648-9993

Nikko

2100 Trans Canada Hwy. S.
Montreal, Quebec
Canada H9P 2N4
514-683-1771

Niles

12331 S.W. 130th St.
Miami, FL 33186
305-238-4373

Norman Laboratories

1905 Atchison Dr.
Norman, OK 73069
405-321-3205

NSM (see EuroSon)

NSM Loudspeakers

95 Belmont Pky.
Hempstead, NY 11550
516-486-8285

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

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

Ortofon

122 Dupont St.
Plainview, NY 11803
516-454-6570

Ötvös Industries

R.R. 4, Brighton, Ontario
Canada K0K 1H0
613-475-3633

Owi

1160 Mahalo Pl.
Compton, CA 90220
800-638-1694

Oxford (see Knoll)

Pacific (see Knoll)

Packburn
Box 335
DeWitt, NY 13214
315-472-5644

Panasonic
One Panasonic Way
Secaucus, NJ 07094
201-348-7000

Paradigm (see AudioStream)

Paragon Acoustics
123 State St.
St. Paul, MN 55107
612-224-7674

Paramount Pictures
1195 W. Columbia St.
Brea, CA 92621
714-257-3080

Parasound
950 Battery St.
San Francisco, CA 94111
800-822-8802

Parsec (see Recoton)

Pegasus Audic (see Speaker
Factory)

Perfectionist Audio
32 Church St.
Malverne, NY 11565
516-887-6009

Per Madsen Design
Box 330101
San Francisco, CA 94133
415-928-4509

Phase Technology
6400 Youngerman Circle
Jacksonville, FL 32244
904-777-0700

Philips
1 Philips 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 Quad)

Pinnacle
255 Executive Dr.
Plainview, NY 11803
516-576-9052

Pioneer
2265 E. 220th St.
Long Beach, CA 90810
800-421-1404

Pointsource
1704 Oliver
Whiting, IN 46394
219-659-0450

Polk
5601 Metro Dr.
Baltimore, MD 21215
301-358-3600

Portland Instruments
6120 San Fernando Rd.
Glendale, CA 91201
818-500-0137

Posh
7865 N.E. Day Rd. W., Bldg. C
Bainbridge Island, WA 98110
800-841-8501

Prelude (see Audiosphere)

Premier (see AudioStream)

Prisma (see Artech)

ProAc (see Modern Audio
Consultants)

Proceed (see Madrigal)

Prodigy Audio
109 Spanish Village
Dallas, TX 75248
214-306-4457

Professional Technologies
Box 282A, Rd. #1
Rome, TX 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

PTS
461 Dupont St.
Ontario, CA 91761
909-460-2500

QED (see May Audio
Marketing)

QSC
1675 MacArthur Blvd.
Costa Mesa, CA 92626-1468
714-754-6175

Quad
111 South Dr.
Barrington, IL 60010
708-526-1646

Quanta Technology (see
Speaker Factory)

Quasar
1707 N. Randall Rd.
Elgin, IL 60123-7847
708-468-5600

Quicksilver
5635 Riggins Court, Unit 15
Reno, NV 89502
702-825-1514

Radio Shack
700 One Tandy Center
Fort Worth, TX 76102
817-390-3011

Rane
10802 47th Ave. W.
Mukilteo, WA 98275-5098
206-355-6000

R.B. Annis
1101 N. Delaware St.
Indianapolis, IN 46202
317-637-9282

RCA (see Thomson
Consumer Electronics)

RDL Acoustics
26 Pearl St., Box 15
Bellingham, MA 02019
508-966-2200

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)

Rock Solid Sounds
Box 8
North Reading, MA 01864
800-370-3742

Rockustics
15400 E. Batavia Dr.
Aurora, CO 80011
303-363-6161

Rogers (see Audio Influx)

RoomTune
Rt. 5, Box 493H
Dover, OH 44622
216-343-3600

Rossman Audio
597 W. Hillside Ave.
State College, PA 16803
814-234-2044

Rotel
Box 8
North Reading, MA 01864
800-370-3741

Royal Sound
200 Industrial Way W.
Eatontown, NJ 07724
201-542-8400

Ruark (see Audio Influx)

Russound/FMP
5 Forbes Rd.
Newmarket, NH 03857
603-659-5170

Samsung
301 Mayhill St.
Saddle Brook, NJ 07662
201-229-4000

Sansul
200 Metroplex Dr., Box 3070
Edison, NJ 08818
201-460-9710

Sanus Systems
1973 W. Country Rd. C2
Roseville, MN 55113
612-636-0330

Sanyo
21350 Lassen St.
Chatsworth, CA 91311-2329
818-998-7322

Sasaki
120 Woodridge Pl.
Leonia, NJ 07605
201-947-1098

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

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

Snell Acoustics
143 Essex St.
Haverhill, MA 01832
508-373-6114

Snell Digital (see Snell
Acoustics)

Snell Multimedia (see Snell
Acoustics)

Solo
2462 Tripaldi Way
Hayward, CA 94545
510-887-8016

Solus
118 W. Julie Dr.
Tempe, AZ 85283
602-838-7966

Sonance

961 Calle Negocio
San Clemente, CA 92672
800-582-7777

Sonographe (see **Conrad-Johnson**)

Sony

One Sony Dr.
Park Ridge, NJ 07656
201-930-7669

SOTA

21 West New Ave.
Lemont, IL 60439
708-257-8188

Sound Advance

3202 S. Shannon St.
Santa Ana, CA 92704-6353
800-892-9002

Sound Anchors

2835 Kirby Ave., Unit #110
Palm Bay, FL 32905
407-951-4349

Sound Concepts

27 Newell Rd.
Brookline, MA 02146
619-566-0110

Sound Dynamics (see **Audio Products International**)

Sound Engineering

Box 12538
Rochester, NY 14612

Sound-Lab

6451 Mountain View Dr.
Park City, UT 84060
801-649-0172

Soundstream

120 Blue Ravine Rd.
Folsom, CA 95630
916-351-1288

Soundwave

274 N. Goodman St.
Rochester, NY 14607
716-271-7930

Speaker Factory

15815 Frederick Rd.
Rockville, MD 20855
301-840-0747

Speakerlab

6307 Roosevelt Way N.E.
Seattle, WA 98115-6616
206-523-2269

Speco

1172 Route 109, Box 624
Lindenhurst, NY 11757
516-957-8700

Spectrum Audio

1021 Nevada St.
Toledo, OH 43605
419-698-9975

Spica

3425 Bryn Mawr N.E.
Albuquerque, NM 87107
505-883-6120

Square D

3201 Nicholasville Rd.
Lexington, KY 40503
606-245-7900

Standesign (see **Melody Audio**)

Stanton

101 Sunnyside Blvd.
Plainview, NY 11803
516-349-0235

Straight Wire

1909 Hamson 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

5312 Derry Ave., Ste. S & T
Agoura Hills, CA 91301
818-706-9974

Superior Audio

Box 299
Hancock, MI 49930
800-332-8346

Symdex

Box 359
Gloucester, MA 01931-0359
508-281-1115

Symetrix

4211 24th Ave. W.
Seattle, WA 98199
206-282-2555

Tannoy

300 Gage Ave., Unit 1
Kitchener, Ontario
Canada N2M 2C8
519-745-1158

Tara Labs

2567 Siskiyou Blvd.
Ashland, OR 97520
503-488-6465

TDK

12 Harbor Park Dr.
Port Washington, NY 11050
516-625-0100

TDL (see **Melody Audio**)

Teac

7733 Telegraph Rd.
Montebello, CA 90640
213-726-0303

Technics (see **Panasonic**)

Tenderfeet (see **Artech**)

Terk

233-8 Robbins Lane
Syosset, NY 11791
516-942-5000

Terpsichore

Route 24
Chester, NJ 07930
201-879-6889

Theta Digital

5330 Derry Ave. #R
Agoura Hills, CA 91301
818-597-9195

Thiel Audio

1026 Nandino Blvd.
Lexington, KY 40511
606-254-9427

Thomson Consumer Electronics

600 N. Sherman Dr.
Indianapolis, IN 46201-2598
317-267-5000

Thorens

Box D, Gracie Station
New York, NY 10028-0023
212-570-5780

3M Black Watch

One Appletree Sq., Ste. 1031
Bloomington, MN 55425
612-854-0845

Threshold

7325 Roseville Rd.
Sacramento, CA 95842
916-348-0600

Times One

1800 S. Robertson Blvd. #419
Los Angeles, CA 90035
800-824-5548

Totem (see **May Audio Marketing**)

Trackmate

5305 E. Shore Dr.
Conyers, GA 30208
800-486-5707

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

Uher of America

7067 Vineland Ave.
N. Hollywood, CA 91605
818-764-1120

VAC

Box 4609
Sarasota, FL 34230
813-377-7884

Vacuum Tube Logic

391 San Antonio Rd., Ste. A
Mountain View, CA 94040
415-941-0711

Vampire Wire

203 Flagship Dr.
Lutz, FL 33549
813-948-2707

Vandersteen

116 W. 4th St.
Hanford, CA 93230
209-582-0324

Vector Research

1230 Calle Suerte
Camarillo, CA 93012
805-987-1312

Velodyne

1070 Commercial St., Ste. 101
San Jose, CA 95112
408-436-7270

Video Acoustics (see **Thomson Consumer Electronics**)

VMPS

3429 Morningside Dr.
El Sobrante, CA 94803
510-222-4276

Voyd (see **Modern Audio Consultants**)

VPI

77 Cliffwood Ave. #3B
Cliffwood, NJ 07721
908-946-8606

Wadia Digital

624 Troy St.
River Falls, WI 54022
715-426-5900

Waterworks Acoustics

3365 Fernside Blvd.
Alameda, CA 94501
510-522-0374

Wavefront Acoustics

1610 Magnolia St.
Denver, CO 80221
800-676-7058

Well Tempered (see **Transparent**)

Weltronics

1414 S. Fair Oaks Ave., Ste. 7
S. Pasadena, CA 91030
818-799-6396

Westlake Audio

2696 Lavery Ct., Unit 18
Newbury Park, CA 91320
805-499-3686

Westwood Electronics Group

167 Main St.
Metuchen, NJ 08840
908-548-6700

Wharfedale (see **Melody Audio**)

Wheaton Music

11230 Grandview Ave.
Wheaton, MD 20902
301-949-1262

Wolcott Audio

2250 N. Bigelow Ave.
Simi Valley, CA 93065
805-527-8842

Woodside/Radford (see **Quad**)

Wright Audio

3088 W. 15th Ave., Unit 17
Eugene, OR 97402
503-343-1413

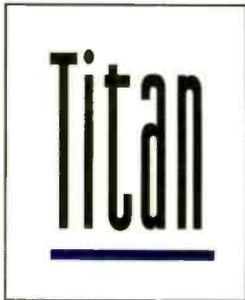
Yamaha

Box 6660
Buena Park, CA 90622
800-492-6242

Yankee

Box 1575
Fallbrook, CA 92028
619-728-4488

Zenesis (see **Denonnet**)



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Stereo Review

JULIAN HIRSCH
HIRSCH-HOUCK LABORATORIES

DESPITE its imposing name, the Canadian-made Paradigm Titan, just over a foot high and weighing a mere 10 pounds, is what is usually referred to as a "mini-speaker". A two-way system, it has a 6 1/2-inch woofer operating in an 11-liter bass-reflex enclosure with a duct-loaded port. This bass/midrange driver, manufactured by Paradigm, has a multilayer voice coil on a Kapton former and a polypropylene cone.

The crossover to the Titan's 1/2-inch dome tweeter is through a second-order (12-dB-per-octave) frequency-corrected and phase-corrected network. The tweeter's polyamide dome, driven by a high-temperature voice coil on an aluminum former, is damped and cooled by ferrofluid.

The edges of the grille are chamfered to match the front edges of the cabinet, minimizing diffraction that could disturb the speaker's stereo imaging. Since the grille is not removable, we were unable to examine the speaker's "specially designed front baffle," which is also said to help keep diffraction at a minimum. According to Paradigm, however, the woofer is mounted so its edge surround is flush with the baffle. The cabinet walls are high density particle-board and the enclosure is generously filled with acoustically absorbent material.

The Titan's specifications include an on-axis response of 75 to 20,000 Hz ± 2 dB and a DIN-rated low-frequency extension to 55 Hz (the approximate -3 dB frequency in a typical room). Sensitivity in a room is rated at 88 dB sound-pressure level (SPL) at 1 meter with an input of 2.83 volts, or 85 dB in an anechoic environment. Nominal impedance is 8 ohms, with a minimum of 4 ohms. The Titan is recommended for use with amplifiers rated between 15 and 100 watts. It is intended for placement on a bookshelf or stands.

Lab Tests

With the speakers placed on 26-inch stands about 8 feet apart and 2 to 3 feet from any walls, the room response above 350 Hz was very smooth and flat, within ± 3 dB

from 300 to 20,000 Hz and ± 1.5 dB from 350 to 11,500 Hz. The 200- to 300-Hz range was elevated because of floor reflections, and the bass output was strong to below 60 Hz.



The close-miked woofer response, combined with the port response, was unrealistically extended, as sometimes happens in this sort of measurement. Although the response seemed to extend to 20 Hz, the distortion in the port output at very low frequencies renders the measurement invalid in that range.

Several response measurements with pink noise at 1 meter (using either a sweeping band of noise or a constant noise spectrum with a sweeping one-third-octave filter) produced generally similar and more realistic results. The speaker's output was constant within 1 or 2 dB from about 80 or 90 Hz to perhaps 2,000 Hz, with a shallow depression of another decibel in the 4,000- to 10,000-Hz range and a return to midrange levels at 20,000 Hz. Low-frequency response dropped off rapidly below 80 Hz, to -5 dB at 60 Hz and -17 dB at 40 Hz.

A quasi-anechoic FFT response measurement, valid above 300 Hz, confirmed the general shape of the random-noise measurement. A ± 1 dB variation from 700 to 2,000 Hz was followed by a dip of 3 to 4 dB between 6,000 and 9,000 Hz and a return to midrange levels, or perhaps 1 dB higher, from 10,000 to 20,000 Hz.

The change in output between the speaker's forward axis and 45 degrees off-axis was less than 3.5 dB below 1,000 Hz, increasing to 4 or 5 dB between 1,200 and 7,000 Hz and falling more rapidly above that. From -6 dB at 10,000 Hz, the off-axis response fell to -19 dB at 20,000 Hz. The tweeter's phase linearity was very good, with a group-delay variation of less than ± 50 microseconds from 3,000 to 20,000 Hz, corresponding to a path-length difference of about 0.6 inch.

Impedance reached a minimum of 4.4 ohms at 170 Hz (and 5.2 ohms at 35 Hz) but remained well above 8 ohms over most of the audio range. Maximum impedance was 52 ohms at 2,000 Hz. Sensitivity was 87 dB with 2.83 volts applied. A 4-volt input was required to achieve our reference level of 90 dB SPL.

At 4 volts, woofer distortion was a low 0.5 to 0.6 percent from 120 to 1,600 Hz. It rose to 3 percent at 100 Hz and remained between 3 and 6 percent from 100 to 30 Hz.

The Paradigm Titan handled rather large power inputs without audible distress or damage. At 1,000 and 10,000 Hz, our amplifier clipped at 330 watts and 600 watts, respectively, with a single-cycle sine-wave burst, but the speaker gave no signs of audible distress. At 100 Hz the small woofer reached its excursion limits, with a resulting hard sound quality, with 200 watts input.

Comments

The Paradigm Titan sounded every bit as good as its measurements would imply. Over much of the audio range its frequency response ranks among the flattest that we have measured from a speaker. Although frequency-response measurements do not necessarily

"Calling this speaker "Titan" is not as extravagant as one might think - it is truly a GIANT-SIZED VALUE."

"...very smooth and flat... its frequency response ranks among the flattest that we have measured from a speaker."

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"... it is less common for a small speaker to avoid sounding thin when the program calls for a healthy bass output. The Titan passed that test handily... it does such a skillful job... that the listener does not notice that all of the music is coming from the pint-sized Titans."

"The small size, in fact, gives the Titan a distinct advantage in imaging accuracy over many larger speakers... we have heard a few (very few!) speakers with a single 6-inch woofer that can produce a similar effect, but they usually cost considerably more."



Paradigm

define the sound quality of a speaker, in this case there was a good correspondence between the two characteristics.

It is not unusual for a well-designed small speaker to sound smooth and well balanced, but it is less common for a small speaker to avoid sounding thin when the program calls for a healthy bass output. The Titan passed that test handily. Even though it cannot reproduce the lowest frequencies, it does such a skillful job with the ones within its range that the listener does not notice that all of the music is coming from the pint-sized Titans. If you close your eyes, they sound just fine, giving no hint of their size. The small size, in fact, gives the Titan a distinct advantage in imaging accuracy over many larger speakers.

We have heard a few (very few!) speakers with a single 6-inch woofer that can produce a similar effect, but they usually cost considerably more. Calling this speaker "Titan" is not as extravagant as one might think - it is truly a giant-sized value.

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Canadian manufacturer Paradigm might be, relatively speaking, a newcomer to the audio industry, but it has wasted no time in firmly establishing a comprehensive range of speakers with a model to suit any application.

The Performance Series of speakers, consisting of seven models, recently underwent a technical and aesthetic revamp and, as our May 1992 review of the new 9seMkII model showed (see *Australian HI-FI Volume 23 Number 5*), the updates in technology have markedly improved the range. Now, in order to bolster the range at the entry level of the market, Paradigm has added a new bookshelf model, called the Titan.

The Equipment

My dictionary defines a Titan as '...one of extraordinary size and strength', which certainly does not refer to the cabinets themselves, but could be inferred as describing the sound emanating from them. These

speakers are a true bookshelf size, measuring only 316 mm high by 196 mm wide and 238 mm deep, which gives them an internal volume of just 11 litres. These dimensions mean the speakers can be situated with few problems on shelves or wall mountings. However, the use of tall stands is undoubtedly the best means of locating them in their optimum positions.

The cabinet is a two-way, bass reflex design, and makes use of a rear-firing tuned port for low frequency extension. The cabinet is made from ordinary 12 mm particle board, and is unusually designed, in that the front grille is not removable. Entry to the box is only possible by unscrewing the rear panel and carefully extracting it from its very snug fit in the side panels. My review sample cabinet was finished with a black ash vinyl veneer, but the speaker apparently is also available in oak veneer and white.

Both drivers have been mounted inside the cabinet in recesses in the front baffle. Typically, the bass/midrange driver sits below the tweeter, and the crossover is attached to the front baffle between the two drivers, but just off to one side. The crossover network is a second-order type aligned for 3 kHz, and has been configured in a quasi-Butterworth arrangement. It has been corrected for both frequency and phase. In terms of components, I counted one standard bipolar electrolytic capacitor (2.2 µF), an ordinary wire-wound ceramic resistor and a small iron-cored choke wound on a plastic former, all of which were glued to the front baffle in addition to being secured to it by a plastic pull-tie. There is no printed circuit board - all crossover connections are crimped and soldered.

One of my review sample speakers (which had obviously been much used, judging by the number of spike-marks on the bottom of the cabinets), had been dropped, which had not only resulted in damage to the front grille but had also caused the bass driver to come adrift from the baffle. Because of the way the bass driver is mounted to the baffle (it is inserted into a circular recess chamfered from the 12 mm thick front baffle), the screws used to attach the driver don't have too much to grip on. Paradigm obviously recognizes this as a design weakness, because the bass drivers on our samples were also glued in position in three places. It appears that while this dual-fixing method may be secure enough for all normal circumstances, buyers would be advised not to drop their speakers from great heights.

The bass driver is designed and manufactured by Paradigm, and features a 115 mm long-throw polypropylene cone which is attached to the 165 mm pressed steel frame by a foam roll surround. This means the Effective Cone Area (ECA) is 105 cm², providing a total ECA of 210 cm² for the pair. Each driver uses a 350 gram barium ferrite magnet. The voice coil is a 25 mm multi-layered type which is wound on a low-mass kapton former. As we have noted many times previously, the use of foam as a roll-surround substance means the speakers may be unsuitable for use in the far north of Australia (the tropics) or in marine applications, since high-humidity/high temperature environments, and exposure to salt air, are known to adversely affect some types of foam.

The tweeter used in the Titan is the much-lauded Vifa D19TD 19 mm polyamide dome unit, which has been horn-loaded for a claimed sensitivity of 92 dB, which is reduced to 88 dB by the crossover network - a technique Paradigm notes in a hand-out to distributors is intended to 'increase reliability'. The tweeter is ferro-fluid cooled and damped, and utilizes an aluminum former in the voice coil and a barium ferrite magnet.

Inside the speakers, we found that all interior connections are made by crimped sleeve connectors and that a single square of ordinary R4 fibreglass batt measuring 20 x 20 cm is inserted in each cabinet, directly behind the bass driver, for damping.

The tuned port is made from cardboard tube (painted black on the inside) and is 36 mm in diameter and 130 mm long. It backs directly onto the rear of the tweeter, and is tacked into place by epoxy that is applied *after* the tube is inserted, rather than before. We found that this meant that in one cabinet, the cardboard tube was able to be removed rather easily from its mounting - we'd suggest that Paradigm could perhaps be just a little more liberal with its glue!

The rear panel hosts a single pair of rather insubstantial spring-loaded terminals, which was a little disappointing. Solid banana/screw terminals would offer a greater variety of termination options and

much better electrical contact.

Paradigm claims a frequency response from 75 Hz to 20 kHz (on-axis, ±2.0 dB), noting that the real response in a room according to DIN 45 500 will be around 55 Hz (-3 dB), depending on placement and room conditions. The company recommends an amplifier power range of 15 to 100 watts RMS, and a maximum power input of 60 watts. We note that this maximum figure is with a typical program source, using an amplifier that is driven into clipping for no more than ten percent of the time. The Titans have a nominal impedance of 8 ohms, but a minimum impedance of 4 ohms. As with all Paradigm speakers, the Titans are covered by a full, five-year manufacturer's warranty.

**"...a match for some speakers that are twice the size (and price)...
THE FRONTRUNNER IN THIS MARKET NICHE."**

"They are as sophisticated as any small speakers we have heard for quite some time..."

"...remarkably big sound - big because of its full body and a well-extended soundstage..."

"It never reaches toward harshness...and displays a kind of soft sweetness that tends to give most music a warmth and hint of intimacy..."

"...the bass response is really quite marvellous...the stereo image is very well focused..."

"...the Titans...represent real value for money - an ideal first step on the hi-fi ladder."

Listening Tests

The Titans may be classified as bookshelf speakers, but to extract the most from them we suggest you procure a pair of solid stands which will place the tweeters at ear level for the main listening position. They are small and light enough to be positioned on a shelf or wall-mount device, but such a mounting position will almost certainly compromise their ability for reproduction accuracy. So, if you are considering such a proposition, think about it carefully before taking the plunge.

And, if you are using wall-mount brackets which must be physically fixed to the cabinet, note that the wood used in the Titans is neither particularly thick, nor is it of high-density composition, so you also have to be careful with the mounting hardware. Also bear in mind that, as we have stated previously, speakers which are wall- or ceiling-mounted should have an additional, separately-anchored, wired restraint system as a sensible safety precaution. (Such anchors are mandatory if the speakers are installed in commercial premises.)

The Titans, we discovered, are very fussy about where they are positioned. This applies to all speakers, of course, but these little powerhouses are especially sensitive to placement with regard to the rear wall because of their rear-firing port. The time and

effort expended in finding the right position will be amply rewarded with a startling jump in performance ability.

We found that a distance of about 30 cm from the rear wall provided the most accurate bass response - not the 'biggest' response, but certainly the most balanced.

It took very little listening to understand why Paradigm called these speakers 'Titans'. These little boxes deliver a remarkably big sound - big because of its full body and a well-extended soundstage that belies the actual size of the drivers that produce it.

During our listening tests, we varied the styles of music considerably, and included Dvorak's Symphonies Nos. 7 and 8, by the Concertgebouw Orchestra, conducted by Sir Colin Davis. (Award, AWCD28280). Mozart's Symphonies 19 to 23, by the Prague Chamber Orchestra with Sir Charles Mackerras (Telarc, CD-80217). Marc Cohn's self-titled album (Atlantic, 7567-ab-82178-2). *On the Line*, by Lee Ritenour (GRP Records, GRP-D-9525), and *The Shouting Stage* by Joan Armatrading (Festival, TVD93278).

As in many other speakers, the Vifa tweeter here imparts a delightfully rich but uncluttered treble. It never reaches towards harshness, regardless of the musical program, and displays a kind of soft sweetness that tends to give most music a warmth and hint of intimacy that would very much suit the bulk of rooms that will necessitate the use of such small speakers. The highs of some instruments - such as splash cymbals - could perhaps have done with a little more sheen and sizzle, but don't for a moment imagine that this means they sound dull or lifeless - on the contrary - some tastes might simply prefer an extra degree of brilliance.

The midrange receives a different sort of treatment. There is a suggestion of reticence here, as if the range is very slightly muted, giving the overall sound a subtle moody darkness. Male voices sometimes sounded lightly recessed in the whole image and several instruments, especially acoustic, sometimes tended to lose a little of their timbral nuances. This is more a suggestion of colouration than anything like a dip in the midrange response, however.

The bass response is the big surprise of the Titans. Strong, tight, punchy - and very convincing - it lacks a little in speed in thundering passages, with a subsequent loss of definition giving over to a hint of wooliness when the drivers are called upon to work overly hard. But remember the size of the drivers and cabinets, and the bass response is really quite marvellous, and certainly a match for some speakers that are twice the size (and price).

The overall sound is quite well-balanced and relatively neutral in character except for that hint of colouration in the midrange, and could perhaps best be described as 'warm'.

The stereo image is very well focused, with a reasonable size which extends to the 'boundary' established by the speakers themselves and with more than sufficient height. The depth sometimes loses out, especially with orchestral works, which often suffer from some image depth compression when replayed through small transducers, but small ensemble work is handled very well by the Titans, with each instrument clearly defined and properly positioned. This would have to be considered their forte.

Conclusion

The Paradigm Titans may be small and inexpensive, but their sound could never be described in the same way. They are as sophisticated and honest in character as any small speakers we have heard for quite some time and as such, can be considered among the frontrunners in this market niche.

Those who prefer to listen to acoustic and small band music will be more favourably disposed towards these speakers than hard rock and large orchestra listeners because of their 'warm and intimate' presentation, but 'big sound' listeners should not be discouraged from auditioning them. Space-conscious rockers will be very impressed with their bass response, and lovers of orchestral works will enjoy the Titans' ability to deliver dynamic power.

Don't forget to allow for some stands in your budget - the extra expense more than pays itself off in providing the Titans with every opportunity to show off their considerable charms and abilities. And even with this added expense, the Titans still represent real value for money - an ideal first step on the hi-fi ladder.

Steve Crowe

A U D I O G L O S S A R Y

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 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.

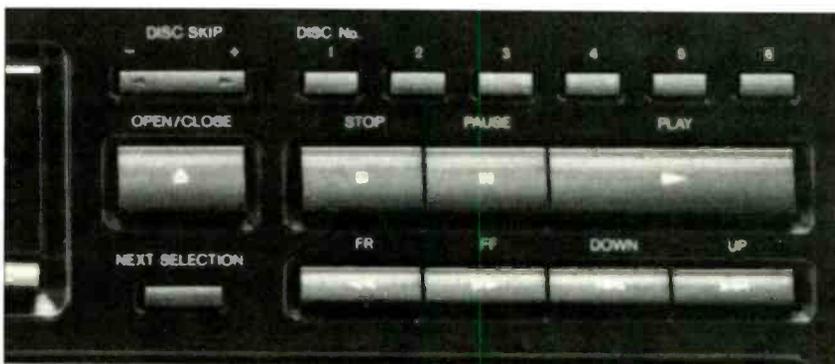
balance: A control found on most receivers, integrated amplifiers, and preamplifiers that changes the relative volume of the left and right channels.

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 metallized 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.

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 videodisks.

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 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—analog to digital
ADC—analog-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 \pm 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): An 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 in any way 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

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 (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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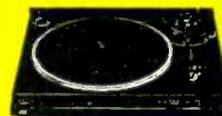
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2.83 volts, or 1 watt, into 8 ohms); higher numbers are better.

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

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*.

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.

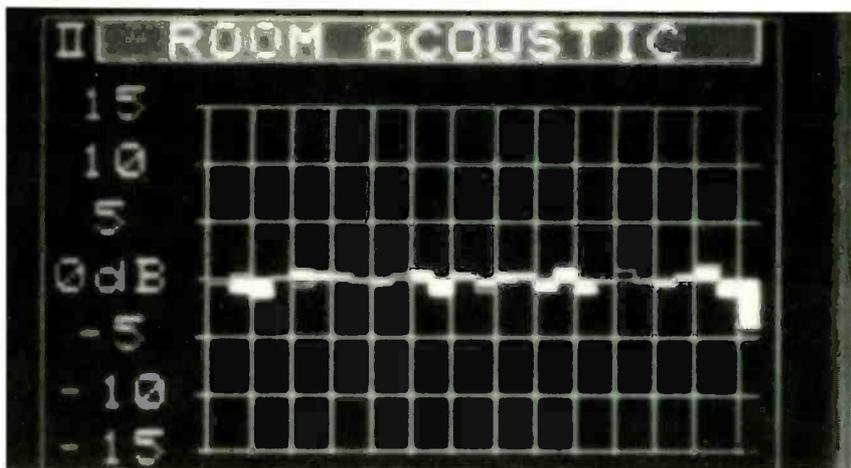
W&F (wow-and-flutter): A specification indicating the speed accuracy of mechanical components such as turntables and tape decks; lower figures are better.

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.



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.

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.

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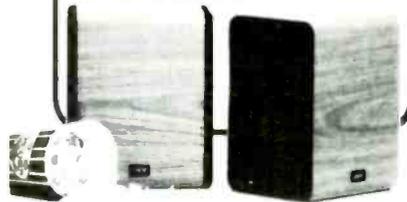


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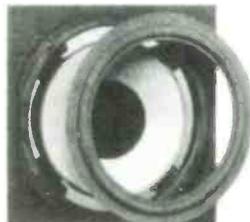
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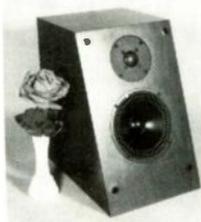
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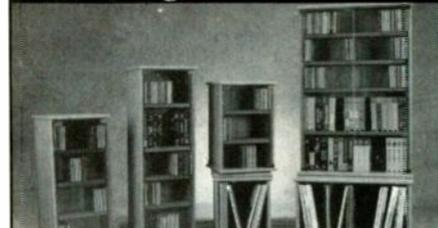
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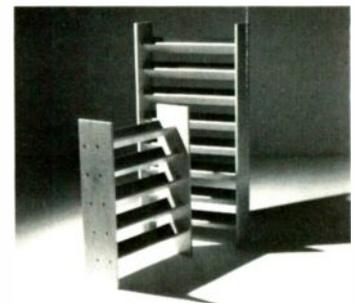
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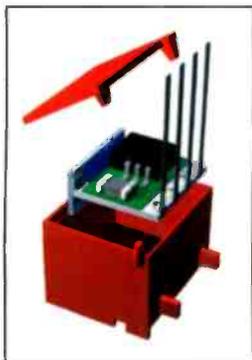
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