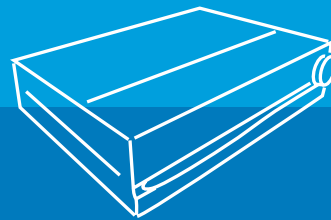




harman/kardon[®]
Power for the Digital Revolution.[®]

Let the Harman Kardon story unfold. We don't just make commodities. We create experiences. Because high-quality audio/video products are more than just boxes with knobs and buttons, this brochure is more than just a catalog of features and specifications; it's an expression of our uncompromising goals. And it's a declaration of our passion for music and cinema. We invite you to experience the unique combination of artistry and engineering that is Harman Kardon.



Playlist: We make elusive technology easy to grasp, page 3 • We're driven by a passion for music and cinema, page 4 • You'll know where we're going when you see where we've been, page 6 • The science of passion: current Harman Kardon technologies, page 8 • Harman Kardon's digital path receiver technology, page 10 • Digital path receiver, page 12 • A/V receivers, page 14 • Computer-to-home-audio link, page 16 • Stereo receivers, page 17 • Power amplifiers, page 18 • In-wall keypads, page 19 • Temporal transporter. Time machine. Where shall we take you tonight? page 20 • Passion in full view...the marriage of audio and video, page 22 • DVD players, page 24 • CD-R/RW player/recorder and CD changer, page 25 • Loudspeakers, page 26 • System solutions, page 28 • Home cinema speaker systems, page 30 • System solutions, page 32 • Specifications, page 34



We make elusive technology easy to grasp.

What's the point of whiz-bang technology if it's too complicated to use?

Chances are, nobody had to show you how to "operate" a rubber ball...or a pencil...or even a clock radio. They were intuitive.

Sad to say, that's not the case with much of today's audio/video products.

At Harman Kardon we believe that a home theater or music system's reason for being should be entertainment and enjoyment, not button-pushing and menu navigation.

So although we make some of the most feature-rich home entertainment products on the planet, we constantly strive to make sure they're easy to use. For every member of your family. Not just your techno-savvy kids.

Our newest remote control is a good example. Instead of having to look up and input codes, you just tell it the brand of your TV, CD player, VCR, etc. Touch a button on the remote and a lighted display automatically tells you the function. It doesn't get much easier...which is the whole point.

So share the combination of passion and vision that sets Harman Kardon apart and we hope you will soon be the proud owner of one of our premium entertainment components.



“We’re driven by a passion for

“Technology can get you most of the way to good sound...but that last critical leap to state-of-the-art reality comes only from endless hours of critical listening — and a deep, almost fanatical love of all types of music and every sort of movie.

“Ever since I helped found Harman Kardon, we’ve been fanatical about maintaining a balance between pure engineering and what audio engineering’s true result should be — a more realistic entertainment experience. Each step forward — and I’m proud to say that Harman Kardon has led the industry in technological advances — has been measured with a simple question: ‘Does it take us closer to the musical truth?’

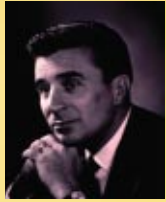


music and cinema.”

“You don’t get the answer to that question merely with laboratory tests and measurement devices. Yes, the best test device is the human ear. But Harman Kardon relies just as much on the human heart and soul. Only when music and cinema become passions in themselves can our engineers create technology that is audibly better than our competition’s.

“When you experience firsthand the electronics and speakers described in this brochure I am confident you will agree that owning a Harman Kardon product sets you apart from the crowd. It is a validation of your own desire to command the ‘best seat in the house’ no matter what kind of music or cinema you enjoy.”

— Dr. Sidney Harman, founder



Dr. Sidney Harman



First Harman Kardon product – FM tuner



World's first receiver – Festival D1000



World's first ultrawide-bandwidth tube amp – Citation II



World's first cassette deck with Dolby® B-type noise reduction – CAD5



World's first stereo receiver – Festival TA230



Citation B with replaceable circuit boards

.....1953.....1955.....1960.....1965.....1970.....1975.....

“You’ll know where we’re going

1953

Auspicious beginnings. Harman Kardon produces its first product, an FM tuner.

1954

Our earliest “why-didn’t-somebody-think-of-that-before,” the Festival D1000 – the world’s first high-fidelity receiver. A tuner and amplifier had never been combined before.

1958

Another first. Festival TA230 – the world’s first stereo receiver.

1959

The world’s first ultrawide-bandwidth tube amplifier. The Citation II remains a classic collectors’ item today.

1962

Harman Kardon introduces stereo multiplex FM, an innovation we now take for granted.

1963

Harman Kardon’s Citation A and B are the first solid-state products with replaceable circuit boards for easy service.

1970

Harman Kardon introduces the CAD5, the world’s first cassette deck with Dolby® B-type noise reduction.

1972

Interference interfered with: a Harman Kardon tuner is the first to employ a phase lock loop (PLL) multiplex decoder.

1978

The stereo receiver gets serious. The Citation receiver is the first high-end, high-power design.

TU9600 with active tracking



Harman Kardon SoundSticks



EzSet™ remote



World's first receivers with fully color-coded rear-panel connections



First high-current amp – Citation XX



World's first CD audio recorder with 4x dub speed – CDR 2



First A/V receiver with Logic 7,® VMAX® and HDCD® – AVR 7000



DAL 150 Computer-to-Home-Audio Link

1980.....1985.....1990.....1995.....2000.....2003.....

when you see where we've been."



1980

Current events. We introduce the first high-current capability amplifier, the Citation XX.

1981

Harman Kardon debuts the first cassette deck with Dolby HX for increased headroom and extended high-frequency response.

1987

Advancing tuner technology is in our genes. A Harman Kardon FM tuner is the first with active tracking.

1990

Dolby redux. Harman Kardon incorporates Dolby S noise reduction into a cassette deck.

1999

The need for speed. Our CDR 2 becomes the world's first CD audio recorder with 4x dub speed.

1999

Art meets Science. Harman Kardon SoundSticks are the first branded computer speakers to win design awards.

2000

Our AVR 7000 is the first A/V receiver with onboard Logic 7,® VMAX® and HDCD® processing.

2001

No electrical engineering degree required, Part 1. Our patented EzSet™ remote lets you automatically calibrate your surround system.

2002

No electrical engineering degree required, Part 2. We introduce the world's first receivers with fully color-coded rear-panel connections for easy setup.

2002

Harman Kardon introduces the first Computer-to-Home-Audio Link for direct MP3 playback through your home audio system.

2002

Leading auto manufacturers – BMW, Land Rover, Mercedes-Benz, Mini Cooper and Saab – include Harman Kardon high-performance systems, featuring Logic 7.

2002

Harman Kardon debuts the industry's first stand-alone A/V receiver with a fully digital signal path from input to speaker outputs.

2003

Harman Kardon celebrates its 50th anniversary.



The science of passion:

Innovation is a combination of major technological breakthroughs and smaller, detail-level enhancements. To deliver the right combination of power, performance, flexibility and ease of use, Harman Kardon has always sought to strike a balance. We carefully weigh the development of key enhancements of the basic underpinnings of audio and video technology against the importance of making these enhancements accessible to both the advanced audiophile and the home theater novice.

More muscle for maximum punch: High Current Capability

Watts per channel is an incomplete measure of amplifier power. In terms of dynamic range and impact, it's current that counts. HCC is an overall design approach encompassing everything from transformer design and storage capacitor size to discrete output circuitry and minimal use of negative feedback. This electronic equivalent of a high-torque, high-displacement racing engine results in audible benefits. You enjoy tighter bass, superb transient response and enhanced presence at any volume level.

A better approach to sound: Logic 7®

When the engineers at Harman Kardon set out to find ways to improve the playback of multi-channel sound, they came up with significant improvements that build upon recent advancements in digital technology and take them to the next level: Logic 7.® Originally developed for high-end processors and now featured in luxury automobiles, Logic 7 processing is now part of every AV receiver we offer.

With Logic 7, proprietary digital algorithms are used to create a more cohesive and enveloping sound field from the tens of thousands of analog matrix soundtracks currently available. Logic 7 is not only capable of resolving either five or seven channels from a two-channel source; it increases the accuracy with which sounds are directed to the center and surround channels, for more precise reproduction of the original soundtrack.

When only two will do: VMAx®

Despite the marketplace focus on multichannel surround sound, there are still many situations where it is only possible to include two speakers in a room's environment – thus sacrificing the benefits of a 360° sonic presentation. Harman Kardon has solved that problem with its exclusive implementation of VMAx® technology in both multichannel receivers and stereo receivers.

Using a series of complex calculations based on intensive research into the way sounds are heard and processed by the brain, VMAx creates a three-dimensional sound field using only conventional left and right front speakers. The result is sound that fills a room and puts you at front row, center.



current Harman Kardon technologies

Switchable front-panel jacks

This one will go to the top of your “Why didn’t I think of that?” list. Front-panel input jacks are a common sight on many audio/video products, but that doesn’t help when you want to send a source out of the receiver, for dubbing to a portable device. Rather than force you to fish around the back of your system, Harman Kardon makes things easy by making it possible to switch the video, analog audio and digital audio jacks on the front panel of select AVRs from an input to an output. With one quick change of a menu setting, any digital or analog source playing through the AVR is routed to the front panel so that you can make your dub for the day and be on your way. What could be simpler?

Your own personal audio technician: EzSet™ quick surround setup

The individual channel levels of a state-of-the-art movie theater surround system have been carefully calibrated by trained technicians. EzSet™ speaker calibration does the same for your Harman Kardon home cinema system. EzSet uses a built-in sound pressure measurement and calibration system that lets you automatically balance speaker channel levels for optimum surround sound enjoyment – regardless of the speaker type or room conditions. Push a few buttons and in less than three minutes, your Harman Kardon system is calibrated. Bottom line, the adjustment most critical to multichannel movie soundtrack reproduction has been made virtually foolproof!

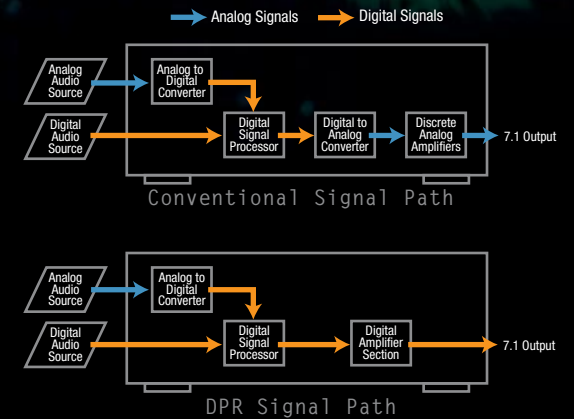
4x CD-R dubbing

In an age when we always seem to be short on time, who wants to wait any longer than necessary when building a music library or creating “party discs”? Harman Kardon agrees, and that’s why we were the first to introduce a dual-deck CD recorder with 4x dubbing when others said it couldn’t be done. Thanks to Harman Kardon engineering, you can make a copy of an hour-long program in fifteen minutes, while also speeding up other key recorder functions. We know that you’re in a hurry to hear the music and don’t want to waste time recording it!

Color-coded connections

At Harman Kardon, we believe that connecting a new audio/video receiver should be quick and simple so that you can get right to the movies and music. That’s why we were the first brand to offer a *complete* set of color-coded input, output and speaker connection jacks and terminals on the back of every product we sell. With modern receivers featuring up to eight channels of audio, four video signal channels, digital audio and multiroom systems, it can be difficult to remember which plug goes where. However, with Harman Kardon’s easy-to-see color-coding, you’ll never again have a problem telling the Surround Back Left speaker output from the Component Video Pb input.

Harman Kardon's



Digital path receivers eliminate an additional conversion step by keeping signals in the digital domain straight through until the point at which they reach the speaker outputs. This preserves signal quality by removing the possibility of inducing conversion artifacts and other noise.

Since the introduction of the Compact Disc in 1982, digital technology has gradually taken over the home entertainment world. Initially used only for playback sources such as CDs, the use of digital technology has expanded to include the recording and distribution of virtually all forms of programming. It's also used to compress and process audio signals so that up to eight channels of discrete information may be stored in the space of two. Dolby® Digital, DTS® and MP3 are, each in its own way, examples of how digital technology is used to extend the playback options for audio.

Indeed, the digital soundtracks played back on a DVD or through a digital cable box, satellite receiver or HDTV set-top increasingly start with digital recording, and digital technology keeps them pristine along their travels from soundstage to movie theaters to

Unfortunately, when digital circuits exist as individual blocks, the potential for trouble has been unavoidable. Until now. With the introduction of the DPR 1001 Digital Path Receiver, Harman Kardon eliminates the need to convert digital signals back to analog between the output of the DSP and the input to the amplifier. How is this done? The simplest way to describe the process is to say that the inefficient power supply, oversized transformers, heat-producing power transistors and large, heavy heat sinks of traditional analog amplifiers are eliminated and replaced with totally digital circuitry.

The incredible system efficiency of the digital design — over 80% as compared to slightly more than 55% in a conventional design — means you have seven full channels of high-quality amplification without the need to remove heat. As important, removing the

entertainment system thanks to the ability to fit a DPR-based receiver in places where you never thought a high-quality audio system could fit.

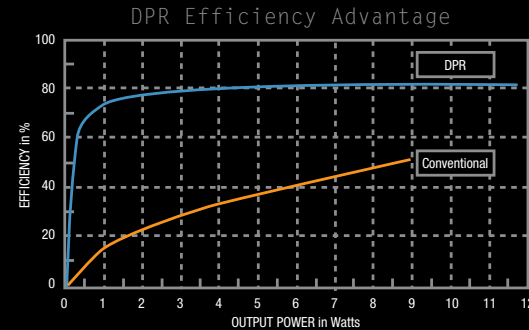
Because it's Harman Kardon, the DPR's all-digital design does not scrimp on features and flexibility. Other products may use digital amplifiers to save space, but they do not have the power and refinement of a DPR. Logic 7® and VMaX® processing, in addition to Dolby Digital, Dolby Digital EX, Dolby Pro Logic® II, DTS 5.1, DTS-ES® and DTS Neo:6®? Of course the DPR has them! Seven audio channels with onboard amplifiers? We wouldn't have it any other way! A full multizone system, complete with assignable amplifier channels to power it right out of the DPR and a standard Zone II remote? Standard on the DPR. An easy-to-use, yet powerful remote control, complete with an

digital path receiver technology

production houses and DVD pressing plants, to the output of your DVD player.

However, once these digital signals reach your home they are processed in various ways that make them resemble digital islands connected to the analog world by bridges. In an A/V receiver these bridges include the analog-to-digital converters on the front end of a system and the digital-to-analog converters (DACs) at the back end which convert the digital signal back to analog after the processor, or DSP, has done its work.

Digital signals are virtually free from interference, but each time they are taken apart or put back together there is the opportunity for bits to be lost or for the signal to be degraded. No matter how good the converters are — and Harman Kardon uses some of the best available — some change to the signal is inevitable.



heat sinks, large transformer and cooling fan means not only that the system is totally silent; it is considerably smaller. This gives you more freedom for the placement of a home

LCD display and both learning and programmable functions? Certainly! The list goes on and on. After all, the DPR is a Harman Kardon receiver at heart, and no one knows how to build a receiver better than the company that invented the receiver almost 50 years ago.

Then there's the sound. It's everything you would expect from Harman Kardon and more.

Advanced technology is a bonus, but it's the music and movies that count. The DPR 1001 Digital Path Receiver takes the shortest course, direct from the original source to your speakers, preserving the quality of the performance. That was the reason digital technology was originally applied to home entertainment. With Harman Kardon's new digital path receiver, the promise of Power for the Digital Revolution® is finally realized.

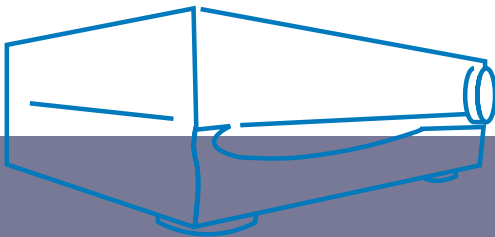


DPR 1001 7 x 50W Digital Path Receiver

Pure digital. Once again, Harman Kardon breaks the rules and sets a new standard for advanced technology. This time we've leapfrogged conventional technology to create the first true digital path AV receiver. Simply put, the audio signal remains digital all the way from the disc through to the digital amplifiers. This unique, all-digital approach results in a dramatically smaller form factor, much cooler operating temperatures, enhanced reliability, and flexibility in output assignment.

At the heart of the DPR 1001 is a sophisticated audio/video switching, control and decoding system. Choose from Dolby Digital, Dolby Digital EX 6.1, Dolby Pro Logic II, DTS 5.1 and DTS-ES. Also available are DTS Neo:6, Logic 7 and VMAx. Select HDTV sources or progressive scan DVD players without compromising picture quality, thanks to wide-bandwidth component video switching. You can send separate audio and video programs to a second room in your house. Digital bass management options include a Triple Crossover system and full control over the "Direct" inputs for use with DVD-Audio and SACD players.

If you enjoy owning the latest technology – or if you simply want an extremely compact and stunningly styled receiver – consider the DPR 1001.



The digital path to reality. Until recently, Pulse Width Modulation (PWM) amplifiers were used mostly in subwoofer systems and entry-level DVD/receiver combinations. They simply didn't have the musicality necessary for quality reproduction across the full audio spectrum. As in every other area of digital engineering, nothing stays the

DPR Remote Controller

Not just another “universal” remote. The DPR’s internal sophistication is further enhanced with the external simplicity of a completely new remote control design. With the EzSet™ feature, the DPR remote makes surround sound level setup a breeze. It includes a built-in sound pressure level meter and calibration system that takes the complexity out of balancing your multichannel system.

And instead of having to look up codes and enter numbers, you just “tell” the DPR remote the brands of your TV and other components and it does the rest, thanks to internal firmware programming. When you select a source other than the DPR 1001, the remote’s backlit, two-line LCD screen shows you the function for each button you select. No more guessing. No more “oops.”



same for long. Harman Kardon engineers have tapped into the very latest advances in PWM, including multiple pole-zero feedback systems, increased sampling speeds in excess of 350kHz and new logic chip designs, to harness the potential of Pulse Width Modulation in our DPR 1001.

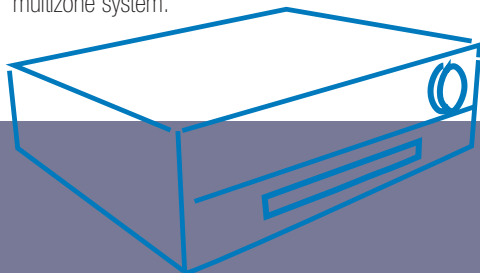
To view every model, visit
www.harmankardon.com

AVR 525 7 x 70W 7.1-Channel AV Receiver

If you enjoy movie soundtracks or music at robust volume levels, the AVR 525 is for you. Thanks to the latest surround technology such as Dolby Digital EX, DTS-ES and our own Logic 7 processing, in addition to a seven-channel, high-current, ultrawide-bandwidth amplifier, the AVR 525 doesn't miss a beat. Make your program selections from a vast array of digital, analog and wide-bandwidth component video inputs, manage the bass with our Triple Crossover system, and extend the music to a second zone with A-BUS Ready® technology or assignable rear-channel amplifiers. Wherever you want your music and movies, however loud you want them, the AVR 525 can handle the job.

AVR 325 7 x 50W 7.1-Channel AV Receiver

Looking for cutting-edge performance at an attractive price? That's the AVR 325! Its seven-channel amplifier has all the muscle needed for the most demanding digital soundtracks, while an EzSet remote and comprehensive menu system make setup easy. All the popular surround modes are available, along with assignable rear-channel amplifiers, an RS-232 port and a standard Zone II remote for the comprehensive multizone system.



AVR 8000 5 x 110W 7.1-Channel THX Ultra® Certified AV Receiver

See and hear it all, the way it was meant to be seen and heard! The AVR 8000 turns any input source, from the latest Dolby Digital Surround EX™ soundtrack to a vintage two-channel recording, into a stunning entertainment experience. Dual 24-bit, twin-core Cirrus processors are combined with 192kHz/24-bit, audiophile-grade digital-to-analog converters to extract a clarity that less advanced circuitry can't handle, while a high-current, ultrawide-bandwidth amplifier delivers the power. Sophisticated installations will benefit from three wide-bandwidth component video inputs, our exclusive front-panel digital inputs and outputs, and a multizone system complete with video and audio outputs, while everyone will enjoy the precision sound imaging made possible by the combination of THX Ultra® processing and DTS or Logic 7 decoding.

Powerful engines and simple controls for exciting entertainment. More from less. Every audio/video receiver here takes full advantage of multichannel digital sources. But what about plain, old-fashioned TV and videocassette movies? Harman Kardon's proprietary Logic 7 Cinema and Music circuitry can synthesize an enveloping 5.1- or 7.1-channel surround experience from stereo or matrix audio soundtracks.



AVR 7200 7 x 100W 7.1-Channel AV Receiver

For those who want all the bells and whistles with power to spare, the AVR 7200 is a dream come true. Its seven-channel, high-current, ultrawide-bandwidth amplifier is the most powerful ever in a Harman Kardon receiver. Also, a comprehensive bass management system with Triple Crossover selection makes certain that low-frequency sound goes to the right place no matter what type of speakers you own or input you use, including DVD-Audio or SACD! Multiroom options abound, ranging from assignable rear-channel amplifiers to an A-BUS Ready port which allows complete remote room control and amplification with only one Cat. 5 wire connection. A preprogrammed remote with an LCD display and EzSet, RS-232 port, and a complete range of surround processing and decoding options all contribute to the AVR 7200's spectacular music and home theater performance.

AVR 225 5 x 55W 5.1-Channel AV Receiver

A five-channel, high-current, ultrawide-bandwidth amplifier is just the start of an impressive feature list. With Dolby Digital and DTS decoding, along with Logic 7 and Dolby Pro Logic II, the AVR 225 provides maximum enjoyment of any source or program. On-screen menus and an EzSet remote make installation a breeze, and front-panel digital audio and analog audio/video inputs make it easy to add a video game for the kids, while a bypass option for analog inputs allows you to enjoy classic stereo recordings in all their original glory.

AVR 125 5 x 45W 5.1-Channel AV Receiver

Don't let the AVR 125's price fool you! Our most affordable AV receiver has a high-current, ultrawide-bandwidth amplifier that can handle the most demanding speaker loads. A wide range of processing options, including Dolby Digital, DTS, Dolby Pro Logic II and, of course, our own Logic 7 and VMaX technologies, give you theater-quality sound at a budget-minded price. Six digital inputs, two digital outputs, 192kHz/24-bit digital-to-analog converters and a programmable remote control help complete the list of features the AVR 125 offers.

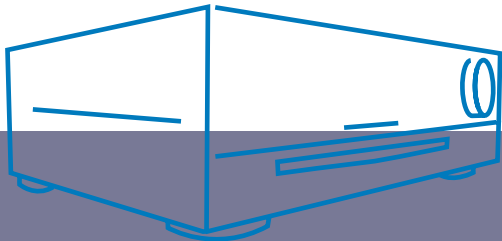
For situations in which only two speakers are present, we provide VMaX. It psychoacoustically creates the sensation of rear channels using just the front loudspeakers. Both technologies add these realistic dimensions to your entertainment experience.

To view every model, visit
www.harmankardon.com



DAL 150 Computer-to-Home-Audio Link

Computers have made it possible to gain access to an amazing library of digital music, but all too often the audio from many computers is something less than amazing. Harman Kardon's DAL 150 EzLink™ lets you play MP3 files stored on your computer or streamed from the Internet through your home audio system. Installation is simple, using the included USB and coaxial digital audio cables. Make two connections, install the software and you're ready to go. EzLink connects to any digital A/V receiver with an S-P/DIF coaxial digital input; the music sounds even better on a Harman Kardon receiver with built-in MP3 decoding. Either way, MP3 files never sounded better than when they are heard through the power of a home theater system. EzLink makes it all possible.



When the music you want to hear isn't on a disc, it's probably on the Internet or on your computer... Suffice it to say that there are enough songs on the Internet to make this an excellent way to sample new music – especially from emerging artists who haven't released their material on CD yet. The DAL 150 is the bridge between your PC and home audio system through any digital receiver or Harman Kardon AVR or DPR with MP3 decoding.



HK 3475 2 x 110W Stereo Receiver

When two channels are all you need, make it two ultrahigh-bandwidth, high-current channels from the company that invented the stereo receiver. The HK 3475 features six audio inputs, 30 AM/FM station presets, VMAx surround synthesis from stereo sources, three-step dimmable fluorescent display, phono preamp, pre-out/main-in jacks, gold-plated inputs and separate subwoofer output. Also included is a multicomponent learning remote control.

HK 3375 2 x 75W Stereo Receiver

Perfect for a main music system, the HK 3375 uses the same discrete high-current, ultrawide-bandwidth amplifier technology found in our AVR Series receivers. Includes multicomponent system remote control, 30-preset AM/FM section, phono preamp, subwoofer output, dimmable fluorescent display, pre-out/main-in jacks and even a nine-step, 90-minute sleep timer.

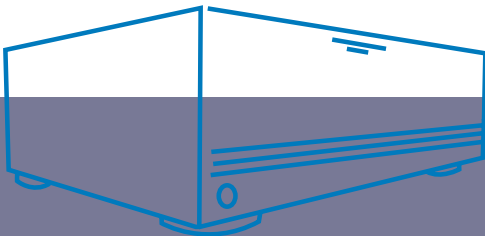
Purely music. Exquisitely accurate. Sometimes the basics are best. In a world of HDTV, DVDs and 300-channel satellite feeds, where does a quality stereo receiver fit? In a den, home office or children's room. Anywhere music can enhance your life. Think of Harman Kardon stereo receivers as elegant analog wristwatches in a world of digital chronometers. The HK 3475 and HK 3375 are designed with ultrawide-bandwidth circuitry, High Current Capability, A/B speaker selection and a practical, easy-to-use, multifunction remote.

To view every model, visit
www.harmankardon.com

PA 2000

Multiroom/Multichannel Power Amplifier

Designed to power loudspeakers in other parts of your house – or to add extra home cinema channels for 7.1 surround, the PA 2000 delivers 4 x 45 watts or 2 x 100 watts. Special circuitry maintains signal integrity over long cabling distances, so you can enjoy high fidelity anywhere in your home. Fanless cooling for ultraquiet operation and automatic, music-sensing power on/off are featured, too.



PA 4000 Multiroom/Multichannel Power Amplifier

This remarkably flexible power amplifier combines four bridgeable 45-watt amplifier pairs (a total of eight channels) with two separate inputs to allow simultaneous home theater and multizone use. For example, bridge two amplifier pairs and use them for the rear surround channels of a 7.1 surround system, while a second input from a multizone system feeds two separate rooms with 2 x 45 watts of high-current, wide-bandwidth power. Music Sense turn-on or a low-voltage trigger may be used for automatic operation with any system, and independent volume controls allow you to set a different level at each speaker location. For the ultimate in control, pair the PA 4000 with Harman Kardon's KP 1 keypad for complete power on/off and volume control from a remote room, and add an optional IR sensor so that the PA 4000 can truly serve as the audio amplification and multizone hub of your home's complete audio/video system.

Extending the passion...multiroom enhancements. Thanks to Harman Kardon, high-quality audio is no longer limited to a single room in the house, and you don't need a complex room full of gear to enjoy music throughout a home. Harman Kardon AVR and DPR receivers (except AVR 125 and AVR 225) include a complete multizone system that feeds a separate input source to a second zone, a standard Zone II remote, and complete



KP 1 In-Wall Keypad

Let the KP 1 power up the PA 4000 multichannel amplifier and control speaker volume in any room in your home. Use with a Decora®-style faceplate (not included) to blend with any room décor; the KP 1 mounts in standard electrical junction boxes. When used with optional third-party IR sensors, you can also control functions of Harman Kardon DVD and CD players as well as AV receivers.

AB 1 Amplified In-Wall Keypad for A-BUS® Applications

Now extending your sound system doesn't require adding extra power amplifiers. A-BUS® has its own built-in power amplifier for driving bookshelf, in-wall or ceiling-mounted speaker systems. The keypad lets you control volume and choose between multiple sound sources such as a CD changer or FM tuner. A built-in remote sensor gives you hands-free operation via compatible universal remotes.

IR inputs and outputs for control of compatible devices with one single IR sensor. To handle a remote zone and multiple rooms, we offer a wide range of options, including stand-alone amplifiers such as the PA 4000 and PA 2000 to power the remote speakers, assignable amplifiers in every seven-channel receiver, and A-BUS Ready® operation in select models for a single-wire connection to a remote module that not only controls the system – it powers it, too!

To view every model, visit
www.harmankardon.com



Temporal transporter. Time machine.

"Roman Holiday" with champagne and popcorn • Nights in white satin • "Ladies and gentlemen, the Rolling Stones!" • Stravinsky's Rite of Spring • Mel's Drive-In • "Why don't we watch 'The Lion King' without the kids for once?" • The most romantic movie ever made • The hills are alive with (choose one) music... gigantic bugs... restless natives... • "Wow, the vinyl record version I wore out in college never sounded that good." • Yo-Yo Ma's "Silk Road Journeys" •



Where shall we take you tonight?

Adventures in whitewater rafting • Super fly me to the moonstruck • Ring cycle, cycle of the rings, three-ring circus •
"We don't need no steenking badges!" • KA-BLAM!!! RUMBLE-BOOM! • Cool jazz • Director's commentary and
a whole disc of extras • Blue moon, blue planet • "How many Tracy and Hepburn films are there?" • Mahler rearranges your
listening room furniture • The sound of a hypertraction ion cannon in deep space near the Crab Nebula • The music playing
when you proposed... wherever you want to go, Harman Kardon can take you there.

The background is a vibrant blue collage. In the upper left, a film reel is partially visible. A film strip loops across the upper right. In the lower left, a vintage-style microphone is prominent. Scattered throughout the background are faint, white musical notes and a grid pattern.

Passion in full view — the

Movies, sound and music have been together since Jolson sang, Fred and Ginger danced and Rocky Horror went to the picture show. While some credit digital technology for marrying the intensity of sight to the pleasure of sound, the use of music to enhance a film's storyline has been there from the beginning. Indeed, even before "The Jazz Singer" ended the silent movie era forever, operatic tenors were used for early movie sound experiments. From Busby Berkley in the Thirties to extravaganzas in the Fifties . . . from Elvis's "Jailhouse Rock" to rock operas of the Sixties and Seventies . . . from the peace and love of "Woodstock" to the grim drama of "Apocalypse Now," music and movies have always gone hand in hand.

Even when music isn't at the forefront of the drama, it often provides the signature that binds our emotions to a film. Think of the banjo accompaniment in "Deliverance." It seems simple, yet at the same time is a key part of a multilayered story. Recall the memorable songs that set the mood of "Midnight Cowboy" or "American Graffiti." No, these movies weren't musicals, but without music they wouldn't have been the same.

Sometimes just a few musical notes forever become a part of our movie experience. The foreboding cello stabs in Jaws, the tone code pattern of "Close Encounters," the four notes of Strauss we will forever associate with images of the ape and the monolith in

marriage of audio and video.

"2001: A Space Odyssey." Would your vision of these films be the same without the sound bites to which they are forever linked?

Today, sound is an essential element of every movie – think of "Gladiator," "Moulin Rouge," "O Brother, Where Art Thou?" or "The Phantom Menace." Space ships or jets fly from one corner of the screen to another. Cars – even entire universes – explode before your eyes. Aliens converse and even sing in strange tongues. Computers whirl, clocks tick, engines roar, and everything has to be positioned in the proper place to mesh seamlessly as the story unfolds on the screen.

Thanks to the use of digital audio technology in both the creation and playback of cinema soundtracks, movies are, to use the old slogan, "better than ever." Using some of that same digital technology, Harman Kardon brings the total sensory side of the movie experience home, complete with lush soundtracks, precisely positioned effects and flawless dialogue reproduction. In addition, our DVD players produce perfect pictures to match the sound.

Movies and music. We've all enjoyed that seat in a darkened theater, that magical place where pictures and sound come together. Now, with Harman Kardon, you can bring that best seat in the house right into your own home.

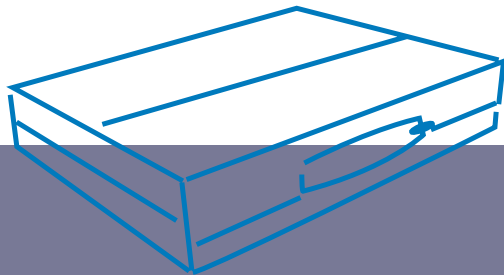




DVD 25 Progressive Scan DVD Player

DVD 101 Progressive Scan DVD Player

DVD is the fastest growing product in the history of consumer electronics, and the DVD 25 and DVD 101 are two reasons why. They both offer progressive scan playback with full reconstruction of the original film image to create stunning images that maximize the benefits of today's advanced digital video displays. Of course, they play not only DVDs, but also CDs, CD-Rs, CD-RWs, Video CDs and even MP3 discs with clarity that rivals the original performance. Complete programming options and a full-featured, backlit remote control make these DVD players easy to use. They even include a built-in test signal which allows you to quickly adjust your video display without the need for additional discs or equipment.



Play>. Hear the thunder; see the light. "Commodity" players versus carefully engineered systems. When you buy a luxury automobile, you get far more performance and features than you do with an economy car. The same is true of DVD players. Harman Kardon Progressive Scan DVD players use advanced, integrated circuits



CDR 26 Dual-Drawer CD-R/RW Player/Recorder

Think of the CDR 26 as a "dubbing cassette deck for the digital millennium!" Make your own custom CDs with just your favorite tracks, or copy an entire disc using inexpensive CD-R blanks. The CDR 26's 4X dubbing speed allows you to copy an hour-long program in fifteen minutes – and speed up other key recorder functions. It also features synchronized recording from external sources: the recorder starts at exactly the same time as the source, which can be digital or analog. Finally, the CDR 26 is also a superb CD player with continuous two-disc or one-time/one-disc playback, headphone jack with level control and full-featured ergonomic remote control.

FL 8380 CD Changer

If you want high-quality music playback that can run uninterrupted throughout the day – or for the length of the party – the FL 8380 is for you. This five-disc CD changer has a wide range of programming options to play back the perfect mix while High Definition Compatible Digital® (HDCD®) processing delivers the most realistic sound processing to date from both HDCD-encoded and standard discs. High-end Burr-Brown® digital processors convert the digital signals back to analog without inducing any artifacts; or use the coax digital output to connect the FL 8380 directly to the processor in your A/V receiver.

that deliver far superior audio and video reproduction. They're designed to deliver maximum resolution for use with the latest high-definition video displays. In short, our passion for quality ensures that you will enjoy a level of realism that surpasses anything you've seen or heard before.

To view every model, visit
www.harmankardon.com



HKB 6 6-Inch, 2-Way Bookshelf Speaker

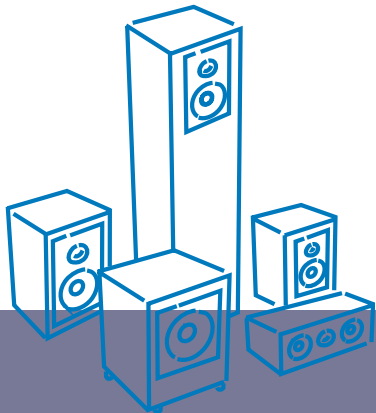
The HKB 6 should be evaluated in terms of dramatic sonic output rather than diminutive dimensions. It delivers full, rich, musically inviting sound. A 6-inch polymer-reinforced low-frequency transducer is matched to a vented cabinet design for high efficiency and low bass extension. A titanium-coated, 3/4-inch tweeter floats detailed treble over a wide listening area. If you're looking for a compact speaker that reproduces music and movie soundtracks with outstanding presence and impact, this is the model for you.

HKB 4 4-Inch, 2-Way Bookshelf Speaker

Small size. Commanding output. You'll see they aren't mutually exclusive when you hear our HKB 4's. As with the HKB 6, we challenged our engineers to create a speaker that was big in all but physical size. They responded with a 4-inch, long-throw, polymer-reinforced low-frequency transducer and 3/4-inch high-frequency transducer comprised of 75 percent titanium on a lightweight substrate – elegantly housed in a high-density enclosure with a “floating” grille panel.

HKC Dual 5-Inch, 2-Way Center Channel Speaker

The center channel of a home cinema system is no place to compromise – you need wide frequency response with strong bass. The HKC satisfies those requirements with dual, polymer-reinforced, 5-inch mid/low-frequency transducers as well as a titanium-laminate, 3/4-inch high-frequency tweeter. Compact enough to fit on almost any television set, the HKC has the output and accuracy to deliver precise dialogue reproduction.



Gourmet à la carte: The flavor of Harman Kardon component speakers.

At Harman Kardon, speakers aren't an afterthought. The speakers in this brochure are the product of one of the world's most advanced acoustic research laboratories, in Northridge, California. Using sophisticated testing facilities, we're able to harness exotic materials such as polymer coatings and titanium laminates, creating loudspeakers with



HKSUB 12 12-Inch Powered Subwoofer

Feel the explosive power of today's action movie soundtracks or provide deep bass to bookshelf speaker music systems. The HKSUB 12's long-throw, front-firing, 12-inch low-frequency transducer is powered by a 150-watt RMS internal power amplifier for floor-shaking, low-end impact. Includes speaker-level L/R parallel inputs and outputs, and level, filter frequency and phase controls.

HKTW 6 6-Inch, 2-Way Tower Speaker

When you want a larger-scale sonic environment for action movies or concert-level music volume, the floorstanding HKTW 6 tower is a perfect choice. It delivers articulate bass, a detailed midrange and crystalline treble dispersed over a wide listening area. While its larger enclosure allows the 6-inch, composite low-frequency transducer to achieve bass extension down to 48Hz, the HKTW 6 is still small enough to be décor-friendly. Video shielding, a 3/4-inch, titanium-coated high-frequency transducer and quality 5-way binding posts are also featured.



astonishing linearity and exceptional efficiency. From their low-distortion crossovers to their high-density, resonance-free enclosures, Harman Kardon speakers are designed to bring the passion of good music and cinema into your home entertainment environment.



DPR 1001
DVD 101
HKB 6 (2 pairs)
HKB 4 (1 pair)
HKC
HKSUB 12



System Solutions

Seven channels. All-digital.
All ready to set up and enjoy.

AVR 8000
PA 4000
KP 1
DVD 25

HKTW 6 (1 pair)
HKB 6 (2 pairs)
HKC
HKSUB 12



Home theater plus music throughout the house.

AVR 7200
DVD 25
HKB 6 (1 pair)
HKB 4 (2 pairs)
HKC
HKSUB 12

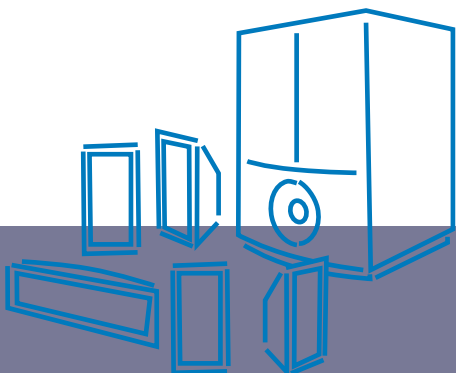


Advanced 7.1 home theater enjoyment.



HKTS 12 5.1 Home Cinema Speaker System

The HKTS 12 home cinema system combines our new 4-inch, 2-way HKS 2's with a 12-inch, 150-watt, front-firing subwoofer and dual-midrange center channel. Advanced features include line-level SUB/LFE input, music-sensing on/off and multicolor LED power indicator. Wall-mount brackets for satellite speakers are included.



Prix fixe: Integrated Harman Kardon home theater speaker systems. Our HKTS 12 and HKTS 6 Home Cinema Speaker Systems take the guesswork out of choosing a surround sound system. Frequency response, dispersion and dynamic ranges of each individual component have been carefully matched so that front, rear and center channels blend together instead of competing with each other. The HKTS system



HKTS 6 5.1 Home Cinema Speaker System

Enjoy big movie sound from a remarkably compact matched system. HKTS 6 includes a 10-inch subwoofer with built-in 100-watt amplifier, four compact speakers with 3-inch midrange and 1/2-inch high-frequency transducers, and a voice-matched, dual-midrange center channel speaker. Wall-mount brackets for satellite speakers are included.



HKS 2

Compact 2-Way Speakers

Use the HKS 2 to add surround back channels for home cinema systems. Available in pairs, HKS 2's feature video-shielded, 4-inch mid/low-frequency transducers with extra-large voice coils and 1-inch, balanced-dome high-frequency transducers for stunning clarity and detail. Wall-mount brackets are included.

subwoofers have been tuned to seamlessly extend low-frequency response without "boominess" or loss of midrange detail. We've also paid special attention to styling: HKTS systems fit unobtrusively into any room décor. If you want a unified, easy-to-set-up home cinema system, you won't find a better solution than the HKTS 12 and HKTS 6.

System Solutions

AVR 525
DVD 25
HKTS 12 System
HKS 2
Not shown: 5 satellite speakers



Full-on 7.1 home cinema surround
and more.

AVR 125

DVD 25

HKTS 6 System

Not shown: 3 satellite speakers



High-fidelity home theater and music
on a budget.

HK 3475

FL 8380

HKB 6

HKSUB 12 (optional)

Not shown: 1 HKB 6



The Harman Kardon stereo system.

Specifications.

Model	DPR 1001
Power (WPC)	50 x 7
THD	0.15%
Impedance	8 Ohms
Bandwidth	20Hz – 20kHz
Bandwidth @ 1W (+0, –3dB)	20Hz – 20kHz
PWM Digital Amplifiers	Yes
Fully Digital Path From Input to Output	Yes
High-Efficiency Amplifiers>80%	Yes
Negative Feedback	None
T/M Distortion	None
7.1-Channel Capability	Yes, with 7 channels amplification and subwoofer preout
Surround Back Amplifiers Configurable for Second Zone	Yes
DSP Processor	Advanced, 24-bit, twin-core Cirrus Logic® DSP engine
Dolby Digital EX 6.1	Yes
Dolby® Digital	Yes
Dolby® Pro Logic® II	Yes (Music, Movies and Emulation modes)
DTS® 5.1	Yes
DTS-ES® 6.1 Discrete and Matrix	Yes
DTS Neo:6®	Yes
Logic 7®	Yes (5.1 and 7.1) Music & Cinema modes 96kHz capability
VMaX®	Yes (Near and Far modes)
VMaX® Available Through Headphones	Yes (Near and Far modes)

Model	AVR 8000	AVR 7200	AVR 525	AVR 325	AVR 225	AVR 125
Power (WPC)	110 x 5	100 x 7	70 x 7	50 x 7	55 x 5	45 x 5
Power (WPC)	125 x 2	115 x 2	85 x 2	65 x 2	65 x 2	55 x 2
THD	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Bandwidth	20Hz – 20kHz	20Hz – 20kHz	20Hz – 20kHz	20Hz – 20kHz	20Hz – 20kHz	20Hz – 20kHz
HCC (Amps)	±85	±75	±45	±35	±28	±25
Bandwidth @ 1W (+0, –3dB)	10Hz – 100kHz	10Hz – 100kHz	10Hz – 100kHz	10Hz – 100kHz	10Hz – 100kHz	10Hz – 100kHz
Discrete Amplifier Output Devices	Yes (Dual, matched pairs for each channel)	Yes	Yes	Yes	Yes	Yes
Dual, Independent Power Supplies for Front and Rear Channels	No	Yes	Yes	Yes	No	No
Dual Amplifier Power Supplies, One for Drivers and One for Outputs	Yes	No	No	No	No	No
Massive Toroidal Power Transformer	Yes	Yes	No	No	No	No
IEC Detachable Power Cord	Yes	Yes	Yes	Yes	No	No
7.1-Channel Capability	Yes, with 5 channels amplification and preamp outputs for other channels	Yes, with 7 channels amplification and preamp outputs for other channels	Yes, with 7 channels amplification and subwoofer output	Yes, with 7 channels amplification and subwoofer output	No	No
Surround Back Amplifiers Configurable for Second Zone	N/A	Yes	Yes	Yes	N/A	N/A
DSP Processor	Dual 24-bit, twin-core Cirrus Logic® DSP engines	Dual advanced, 24-bit, twin-core Cirrus Logic® DSP engines	Advanced, 24-bit, twin-core Cirrus Logic® DSP engine	Advanced, 24-bit, twin-core Cirrus Logic® DSP engine	Advanced, 24-bit, twin-core Cirrus Logic® DSP engine	Advanced, 24-bit, twin-core Cirrus Logic® DSP engine
THX Ultra®	Yes	No	No	No	No	No
Surround EX™	Yes	No	No	No	No	No
Dolby Digital EX 6.1	No	Yes	Yes	Yes	No	No
Dolby® Digital	Yes	Yes	Yes	Yes	Yes	Yes
Dolby® Pro Logic® II	Yes (Music, Movies and Emulation modes)	Yes (Music, Movies and Emulation modes)	Yes (Music, Movies and Emulation modes)	Yes (Music, Movies and Emulation modes)	Yes (Music, Movies and Emulation modes)	Yes (Music, Movies and Emulation modes)
DTS® 5.1	Yes	Yes	Yes	Yes	Yes	Yes
DTS-ES® 6.1 Discrete and Matrix	Yes	Yes	Yes	Yes	No	No
DTS Neo:6®	Yes	Yes	Yes	Yes	No	No
Logic 7®	Yes (5.1 and 7.1) Music & Cinema modes, 96kHz capability	Yes (5.1 and 7.1) Music & Cinema modes, 96kHz capability	Yes (5.1 and 7.1) Music & Cinema modes, 96kHz capability	Yes (5.1 and 7.1) Music & Cinema modes, 96kHz capability	Yes (5.1 Music & Cinema modes)	Yes (5.1 Music & Cinema modes)
VMaX®	Yes (Near and Far modes)	Yes (Near and Far modes)	Yes (Near and Far modes)	Yes (Near and Far modes)	Yes (Near and Far modes)	Yes (Near and Far modes)
VMaX® Available Through Headphones	Yes (Near and Far modes)	Yes (Near and Far modes)	Yes (Near and Far modes)	Yes (Near and Far modes)	Yes (Near and Far modes)	Yes (Near and Far modes)

Model1 (continued)	DPR 1001
5-Channel Stereo	Yes
7-Channel Stereo	Yes
Digital Stereo Mode With Programmable Bass Management	Yes
Triple Crossover Bass Manager	No
Digital Bass Management of 6-/8-Channel Direct Inputs	Yes
MP3 (S/PDIF In)	Yes
Output DACS for Preouts	192kHz/24-bit Cirrus Logic®
Color-Coded Speaker Terminals	Binding posts
Fully Color-Coded Rear-Panel Connections	Yes
Wideband, HDTV-Ready Component Video	Yes
S-Video	Yes
A/V Inputs	5
Audio Inputs	4
Multichannel Direct Inputs	Yes (6- and 8-channel)
Preamp Outputs	All channels
Digital Inputs	2/2 Rear panel, 1/1 front panel
Digital Outputs	1/1 Rear panel, 1 coax front panel (switchable from input)
Front-Panel A/V Input With S-Video	Yes, also switchable to output
Multizone	Audio
On-Screen Display	Yes
Programmable Power-Up Volume	Yes
System Remote	LCD EzSet™ 8-device multibrand, learning
Zone II Remote	Yes
Separate Remote Power On/Off Modes	Yes
IR In/Out Jack	Yes
Dimensions (H x W x D)	4-3/4" x 17-3/4" x 18-3/4"
Weight	17 lb

Model1	AVR 8000	AVR 7200	AVR 525	AVR 325	AVR 225	AVR 125
5-Channel Stereo	Yes	Yes	Yes	Yes	Yes	Yes
7-Channel Stereo	Yes	Yes	Yes	Yes	No	No
Analog Stereo Bypass Mode	No	Yes	Yes	Yes	Yes	Yes
Digital Stereo Mode With Programmable Bass Management	Yes	Yes	Yes	Yes	Yes	Yes
Triple Crossover Bass Manager	No	Yes	Yes	Yes	No	No
Digital Bass Management of 6-/8-Channel Direct Inputs	No	Yes	Yes	No	No	No
HDCD® Decoding	Yes	Yes	Yes	No	No	No
MP3 (S/PDIF In)	Yes	Yes	Yes	Yes	No	No
Output DACS	192kHz/24-bit Analog Devices	192kHz/24-bit Cirrus Logic®	192kHz/24-bit Cirrus Logic®	192kHz/24-bit Cirrus Logic®	192kHz/24-bit Cirrus Logic®	192kHz/24-bit Cirrus Logic®
Color-Coded Speaker Terminals	High-grade, gold-plated binding posts	Binding posts	Binding posts	Binding posts	Binding posts	Binding posts
Fully Color-Coded Rear-Panel Connections	Yes	Yes	Yes	Yes	Yes	Yes
Wideband, HDTV-Ready Component Video	Yes	Yes	Yes	Yes	No	No
S-Video	Yes	Yes	Yes	Yes	Yes	Yes
A/V Inputs	6	5	5	5	5	4
Audio Inputs	4	4	4	4	4	4
Multichannel Direct Inputs	Yes (6- and 8-channel)	Yes (6- and 8-channel)	Yes (6- and 8-channel)	Yes (6- and 8-channel)	Yes (6-channel)	Yes (6-channel)
Preamp Outputs	All channels	All channels	All channels	All channels	Subwoofer	Subwoofer
Main-Amp Inputs	Yes (5)	No	No	No	No	No
Digital Inputs	3/3 Rear panel, 1/1 front panel	2/2 Rear panel, 1/1 front panel	2/2 Rear panel, 1/1 front panel	2/2 Rear panel, 1/1 front panel	2/2 Rear panel, 1/1 front panel	2/2 Rear panel, 1/1 front panel
Digital Outputs	1/1 Rear panel, 1/1 front panel	1/1 Rear panel, 1 coax front panel (switchable from input)	1/1 Rear panel, 1 coax front panel (switchable from input)	1/1 Rear panel	1/1 Rear panel	1/1 Rear panel
Front-Panel A/V Input With S-Video	Yes, also switchable to output	Yes, also switchable to output	Yes, also switchable to output	Yes	Yes	Yes
Multizone	Audio/Video/S-Video	Audio/Video/S-Video	Audio	Audio	No	No
A-BUS-Ready®	No	Yes	Yes	Yes	No	No
RS-232 Port for Control Devices	No	Yes	Yes	Yes	No	No
On-Screen Display	Yes	Yes	Yes	Yes	Yes	No
Programmable Power-Up Volume	Yes	Yes	Yes	Yes	Yes	No
System Remote	EzSet™ 8-device multibrand, backlit, learning	EzSet™ 8-device multibrand, backlit, learning, with 2-line LCD display	EzSet™ 8-device multibrand, backlit, learning	EzSet™ 8-device multibrand, learning	EzSet™ 6-device multibrand	Yes
Zone II Remote	Yes	Yes	Yes	Yes	No	No
Separate Power On/Off Modes	Yes	Yes	Yes	Yes	Yes	Yes
IR In/Out Jack	Yes	Yes	Yes	Yes	Yes	No
Dimensions (H x W x D)	7-5/8" x 17-5/16" x 20-1/2"	7-5/8" x 17-5/16" x 20-1/2"	6-1/2" x 17-5/16" x 17-1/8"	6-1/2" x 17-5/16" x 17-1/8"	6-5/8" x 17-5/16" x 15-3/8"	6-5/8" x 17-5/16" x 15-3/8"
Weight	53 lb	53 lb	44 lb	40 lb	26.8 lb	23.8 lb

Model	DAL 150
Product Type	Computer-to-Home-Audio Link
System Requirements	PC with Pentium® processor 200MHz or higher Available USB 1.0 Microsoft® Windows® 98SE, Windows Me, Windows 2000 or Windows XP operating system CD-ROM or DVD-ROM drive 32MB RAM 10MB of free hard-disk space AV receiver or processor with coaxial digital input and PCM or MP3 decoding capability
Included Accessories	USB cable; coaxial digital audio (S/P-DIF-compatible) cable; software CD-ROM with drivers and Windows Media™ Player
Dimensions (H x W x D)	7/8" x 3-3/4" x 2-5/8"
Weight	3 oz

Model	HK 3475	HK 3375
Power (WPC)	110 x 2	75 x 2
THD	<0.08%	<0.08%
Impedance	8 Ohms	8 Ohms
Bandwidth	20Hz – 20kHz	20Hz – 20kHz
HCC (amps)	±45	±42
Bandwidth @ 1W (+0,–3dB)	10Hz – 110kHz	10Hz – 110kHz
Discrete Amplifier Output Devices	Yes	Yes
VMAx®	Yes	No
No. Audio Inputs	6	6
Phono Input	Yes	Yes
Tape Monitor Loop	Yes	Yes
Tuner	FM stereo/AM with 30 presets and direct-access tuning	FM stereo/AM with 30 presets and direct-access tuning
A/B Speaker Switching	Yes	Yes
Subwoofer Output	Yes	Yes
Preamp Outputs/Main Amp Inputs	Yes	Yes
No. AC Outlets	2 Switched	2 Switched
System Remote	Programmable, learning	Yes
Separate Remote On/Off Buttons	Yes	Yes
Dimensions (H x W x D)	6-1/8" x 17-3/8" x 16-5/16"	6-1/8" x 17-3/8" x 16-5/16"
Weight	26.8 lb	24.6 lb

Model	PA 4000	PA 2000
Power (WPC)	45 x 8	45 x 4
Bridge Mode 1 Power (WPC)	100 x 2 plus 45 x 4	100 x 2
Bridge Mode 2 Power (WPC)	Bridgeable to 100 x 4	N/A
THD	<0.07%	<0.07%
Impedance	8 Ohms	8 Ohms
Bandwidth	20Hz – 20kHz	20Hz – 20kHz
HCC (amps)	±45	±45
Bandwidth @ 1W (+0,–3dB)	<1Hz – 200kHz, –3dB @ 1 watt	<1Hz – 170kHz, –3dB @ 1 watt
Dual-Source Inputs	Yes	No
Discrete Amplifier Output Devices	Yes	Yes
Fanless-Cooling Design	Yes	Yes
Designed for Long Speaker-Wire Runs	Yes	Yes
Low-Impedance Capability	Yes	Yes
Parallel Line-Level Outputs	Yes	Yes
Music-Sense Auto On/Off	Yes	Yes
Low-Voltage Trigger Jack	Yes	Yes
Independent Volume Controls for Each Channel	Yes	No
Rear-Panel Trim Pots for Output Level Adjustment	No	Yes
Optional In-Wall Keypads (KP 1) for Volume and Power Control	Yes	No
Gold-Plated, 5-Way Binding Posts	Yes	Yes
Dimensions (H x W x D)	7-5/16" x 17-3/8" x 18-5/16"	6-1/8" x 17-3/8" x 15-3/4"
Weight	47 lb	25.3 lb

Model	KP 1	AB 1
Product Type	In-wall keypad	A-BUS Ready® in-wall keypad
System Requirements	Use with PA 4000 power amplifier via Cat.5 cable. May be used with optional IR sensor made by third party. Compatible with user-supplied Decora® wall plate.	Use with AVR 7200, AVR 525, AVR 325 via Cat. 5 cable. Includes IR sensor for pass-through of remote commands to source units.
Dimensions (H x W x D)	3" x 1" x 1/2"	4" x 1-5/8" x 1-9/16"
Weight	0.25 lb	0.25 lb

Model	DVD 25	DVD 101
Description	Single-disc DVD player	Single-disc DVD player
Plays DVD-Video	Yes	Yes
Plays CD-R	Yes	Yes
Plays CD-RW	Yes	Yes
MP3 Decoding	Yes	Yes
MP3 Text	Yes	Yes
Dolby® Digital Pass-Through	Yes	Yes
DTS® Pass-Through	Yes	Yes
Audio Output DACs	Wolfson 192kHz/24-bit	Wolfson 192kHz/24-bit
Video Output DACs	27MHz – 54MHz/10-bit	27MHz – 54MHz/10-bit
Progressive Scan Video Output	Yes, with full 3/2 pulldown reconstruction, 60-frame output	Yes, with full 3/2 pulldown reconstruction, 60-frame output
Component Video Out	Yes	Yes
Video Test Screen	Yes	Yes
Video-Off Capability	Yes (when playing CD)	Yes (when playing CD)
Programmed Play	32 Tracks	32 Tracks
Repeat Play	1 Track, 1 disc, A-B	1 Track, 1 disc, A-B
Digital Outputs	Coax, optical	Coax, optical
Remote	Backlit	Backlit
Separate Remote On/Off Buttons	Yes	Yes
IR In/Out Jacks	Yes	Yes
Finish	Black	Silver
Dimensions (H x W x D)	3-7/16" x 17-5/16" x 12"	3-7/16" x 17-5/16" x 12"
Weight	15.4 lb	15.4 lb

Model	CDR 26	FL 8380
Description	Dual-drawer CD-R/RW recorder	5-Disc CD changer
Plays CD-R	Yes	Yes
Plays CD-RW	Yes	Yes
HDCD®	No	Yes
Dub Speed	4x Discs or single tracks; 2x programmed playlists	N/A
Audio Output DACs	AKM 96kHz/24-bit	18-Bit Burr-Brown®
Programmed Play	20 Tracks	32 Tracks
Repeat Play	1 Track, 1 CD, A–B, continuous play from both decks	1 Track, 1 CD, all CDs
Digital Outputs	Coax, optical	Coax
Digital Inputs	4 Independent coax and optical, front and rear panels	N/A
Headphone Jack With Level Control	Yes	Yes
Recording Level Control	Analog	N/A
Remote	Yes	Yes
Separate Remote On/Off Buttons	Yes	Yes
IR In/Out Jacks	Yes	Yes
Dimensions (H x W x D)	4-3/8" x 17-5/16" x 14-3/16"	5-1/8" x 17-5/16" x 15-1/4"
Weight	10.6 lb	16.7 lb

Model	HKB 6	HKB 4	HKC	HKSUB 12	HKTW 6	HKTS 12	HKTS 6	HKS 2
Speaker Complement	2-Way, 6" bookshelf with 3/4" titanium-laminate-dome tweeter and 6" polymer-coated cone woofer	2-Way, 4" bookshelf with 3/4" titanium-laminate-dome tweeter and 4" polymer-coated cone driver	2-Way, dual 5" center with 3/4" titanium-laminate-dome tweeter and dual 5" polymer-coated cone woofers	150-Watt, bass-reflex powered subwoofer with 12" polymer-coated cone woofer	2-Way, 6" tower with 3/4" titanium-laminate-dome tweeter and 6" polymer-coated cone woofer	150-Watt, bass-reflex powered subwoofer with 12" driver; 4 identical 2-way, 4" satellites; voice-matched, dual-driver dedicated center	100-Watt, bass-reflex powered subwoofer with 10" driver; 4 identical 2-way, 3" satellites; voice-matched, dual-driver dedicated center	One pair of 2-way, 4" loudspeakers
Video-Shielded	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Line-Level Inputs	N/A	N/A	N/A	Yes, gold-plated	N/A	Yes	Yes	N/A
Speaker-Level Inputs	Binding posts	Binding posts	Binding posts	Binding posts	Binding posts	Binding posts	Spring clips; N/A on sub	Binding posts
Speaker-Level Outputs	N/A	N/A	N/A	Binding posts	N/A	Binding posts	No	N/A
Dedicated Subwoofer Input	N/A	N/A	N/A	Yes	N/A	Yes	No – one input can handle full or limited range signals	N/A
Music-Sense Auto Turn-On/Off	N/A	N/A	N/A	Yes	N/A	Yes	Yes	N/A
Subwoofer Level Control	N/A	N/A	N/A	Yes	N/A	Yes	Yes	N/A
Phase Switch	N/A	N/A	N/A	Yes	N/A	Yes	No	N/A
Low-Pass Filter Control	N/A	N/A	N/A	N/A	N/A	Yes, with remote control trigger input	No	N/A
System Frequency Response (–6dB)	55Hz – 20kHz	80Hz – 20kHz	80Hz – 20kHz	N/A	48Hz – 20kHz	30Hz – 20kHz	35Hz – 20kHz	80Hz – 20kHz
Sensitivity (Sats and Center) @ 1W/1m	89dB	88dB	91dB	N/A	89dB	86dB (2.83V @ 1W/1m)	86dB (2.83V @ 1W/1m)	86dB (2.83V @ 1W/1m)
Nominal Impedance (Sats and Center)	8 Ohms	8 Ohms	8 Ohms	N/A	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Recommended Amplifier Power (Sats and Center)	150W	110W	125W	N/A	150W	10W – 110W	10W – 50W	10W – 110W
Cables Included	No	No	No	Yes	No	Yes	Yes	Yes
Wall-Mount Brackets Included	No, but has threaded insert ready for OmniMount® bracket	No, but has threaded insert ready for OmniMount® bracket	N/A	N/A	N/A	Yes, for 4 satellites	Yes, for 4 satellites	Yes
Adjustable Support for Center	N/A	N/A	No	N/A	N/A	Yes – two-position cradle	Yes – screw-type leg	N/A
Dimensions (H x W x D)	15" x 8-1/2" x 9-1/4"	10-1/2" x 6-1/2" x 8"	6-1/2" x 17" x 7-1/2"	20-5/16" x 16-3/8" x 15-1/16"	34-1/2" x 8-1/2" x 10"	Sats: 10-1/8" x 5-1/4" x 5-3/8" Center: 5-1/16" x 16-1/2" x 5-3/16" Sub: 20-5/16" x 16-3/8" x 15-1/16"	Sats: 4-5/8" x 3-1/8" x 3-3/4" Center: 3-1/2" x 7-5/8" x 3-3/4" Sub: 15-3/4" x 15-3/4" x 16-3/4"	10-1/8" x 5-1/4" x 5-3/8"
Weight per Speaker	16 lb	12.7 lb	16.5 lb	40 lb	29.5 lb	Sats: 6.6 lb Center: 10 lb Sub: 40 lb	Sats: 1.1 lb Center: 1.89 lb Sub: 33.5 lb	6.6 lb

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All features and specifications are subject to change without notice.

NOTE: Depth measurement includes knobs, buttons and terminal connections; height measurement includes feet and chassis.



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