2009-2010 CATALOG

HOME | CAR | PERSONAL | COMPUTER

harman/kardon®
Designed to Entertain.™

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24 dB

Speaker
Setup

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Level
Settings

Volume

WELCOME

As a consumer-electronics company, Harman Kardon dates back to the days of monaural sound and vacuum tubes. Our earliest systems were hand-crafted to the exacting standards of Sidney Harman and Bernard Kardon, whose passion for music was our company's whole reason for being. Over the years, landmark Harman Kardon® products led the transition from vacuum tubes to solid state, from mono to hi-fi and from analog to digital. With features that often break new ground, craftsmanship that cuts no corners and performance that sets higher standards, Harman Kardon components have always been in a class by themselves.

HIGH-PERFORMANCE
MUSIC SYSTEMS

In 1954, Harman Kardon engineers were the first to combine a sensitive AM/FM tuner with a powerful amplifier, creating an unheard-of new component called the receiver. We've been crafting inherently simpler home-entertainment systems ever since. Our high-performance compact music systems make the most of any two-channel source, including your iPod. And with a pair of muscular 130mm bass-reflex speakers, they'll fill virtually any room with accurate, distortion-free sound.

MAS 100

2 x 65W 2-Channel Integrated FM/CD Music System

With a drift-free tuner, slot-loaded player for CD, CD-R,CD-RW, MP3 and WMA discs, front and rear USB ports and no fewer than eight auxiliary audio inputs including phono MM, there are few audio sources the MAS 100 can't handle. But it's audio output that distinguishes the MAS 100. Advanced flat-panel bass drivers with flat front baffles virtually eliminate unwanted refractions within the speakers for cleaner, more natural sound. Proprietary MMD® tweeters with integral waveguides greatly improve off-axis performance, delivering accurate highs over a wide area. This is a compact music system in the true Harman Kardon tradition – that is to say, it's everything a great stereo system should be.

MAS 110
2 x 65W 2-Channel Integrated FM/DAB+/CD Music System

Like the MAS 100, the MAS 110 is built around a high-efficiency, two-channel Class D amplifier and powerful digital signal processing (DSP) technology. And like the 100, it delivers best-in-class audio performance with proprietary flat-panel bass drivers and waveguide MMD® tweeters. So what makes the MAS 110 different? A DAB+ (digital audio broadcasting plus) tuner for interference-free digital radio. With a compact system that makes everything sound as great as this one does, interference simply cannot be tolerated.

INTEGRATED HOME-THEATER SYSTEMS

You've come to expect our systems to deliver advanced performance. But to be worthy of our name, every Harman Kardon system must also be easy to set up and use. Each of our integrated home-theater systems features a high-performance A/V receiver and DVD player combined into a single, beautifully crafted component, keeping system connections to a minimum. Each system is controlled by a single, intuitive remote control (which, to our minds, ought to be required by law). These are highly sophisticated, all-inclusive home-entertainment systems. But you won't need an in-house technician to enjoy them.

HS 350

5 x 35W 5.1-Channel Integrated Home-Theater and Music System with
HDMI™ Connectivity and DivX® Processing

Push your high-definition video display to its limits. With pixel-by-pixel video processing and upscaling through an HDMI output, your DVDs will look their absolute best. But it's high-performance sound that sets the HS 350 apart. With a high-power amplifier featuring Logic 7® and EzSet/EQ™ technology, seamless 360° imaging through five two-way speakers, and the visceral punch of a 200-watt powered subwoofer, the power and clarity of any audio input – DVD-Audio, CD and DVD recordings, USB drives, even AAC or MP3 files from your iPod – may startle you.

Made for iPod

iPod not included

HS 250

2 x 65W 2.1-Channel Integrated Home-Theater and Music System with HDMI Connectivity, DivX Processing and The Bridge

Plenty of entertainment from just a few components. With video upscaling and Dolby Virtual Speaker technology, the HS 250 delivers a truly cinematic experience from any DVD. But with The Bridge and your iPod for outstanding music playback, the HS 250 is also a complete, high-performance home-entertainment system – all in one simple, compact package.

HS 200WQ

2.1-Channel Integrated Home-Theater and Music System with HDMI Connectivity

Black boxes are right for every home-decorating plan, except when white boxes are better. The HS 200WQ is identical to the HS 200 – the same high-power amplifier, the same progressive-scan video playback and Dolby® Virtual Speaker technology, the same HKTS speakers and subwoofer; only the color is different. And that makes this system a standout, not just in the Harman Kardon product line but also in the entire industry.

HS 200
2.1-Channel Integrated Home-Theater and Music System with HDMI Connectivity and DivX Processing

Small wonder that Dolby Virtual Speaker technology can create a realistic 5.1-channel listening experience from virtually any 2.1-channel system. But when that 2.1-channel system happens to be the HS 200 – with a pair of HKTS 2 speakers and a 200-watt powered subwoofer – the effect can only be described as spectacular. With a high-power amplifier, progressive-scan video and MP3, JPEG and WMA playback, the HS 200 delivers high-performance home theater to even the smallest spaces.

AUDIO/VIDEO RECEIVERS

We have to admit that AVRs sorely test our longstanding "less is more" design philosophy. In the case of AVRs, more – more features, more functions, more options – isn't just more, it's the whole point of the exercise. So we've labored long and hard to ensure that Harman Kardon AVRs deliver maximum possibilities with minimum complexity. Our AVRs employ a battery of advanced technologies to optimize the audio and video clarity of any entertainment source, old or new. And in most cases, the magic happens automatically, without user intervention. All you have to do is sit back and enjoy, which we're guessing is exactly what you had in mind.

AUDIO/VIDEO RECEIVERS

iPod not included

AVR 760

7 x 85W 7.2-Channel A/V Receiver with HDMI Repeater, Audio/Video Processing and Upscaling to 1080p

Harman Kardon is one of the audio industry's most powerful and most capable companies, and the AVR 760 is its most powerful and most capable A/V receiver. So it should come as no surprise that the AVR 760 does almost everything you can imagine – including automatically adjusting volume levels when you switch between sources and channels, thanks to new Dolby Volume technology. Two onboard 32-bit DSP processors deliver other essential Dolby and DTS® technologies, including Dolby TrueHD and DTS-HD™. The latest version of our exclusive Logic 7 processing and Faroudja DCDi Cinema™ video processing are included to make any source material look as great as it sounds. Whatever input you throw at it – HDMI, analog, component or S-video sources; computer-based audio from a direct USB connection or from thumb drives; or your iPod using the included The Bridge II docking station – the AVR 760 can handle it. You can even use a broadband connection to access a wide range of Internet radio stations. And the AVR 760 easily enables multiroom video and audio applications with Zone II and A-BUS® technology. With a true 85 watts of power to drive each of seven channels, dual subwoofer outputs and the EzSet/EQ II system to tune the system's performance parameters to the precise acoustic requirements of your space, the AVR 760 is the ideal receiver to satisfy a houseful of entertainment needs.

AVR 660

7 x 75W 7.1-Channel A/V Receiver with HDMI Repeater, Audio/Video Processing and Upscaling to 1080p

With Dolby Volume technology that automatically adjusts volume levels when you switch between sources and channels, four HDMI inputs, Faroudja DCDi Cinema video processing, all the latest Dolby and DTS audio modes, our own Logic 7 processing, the EzSet/EQ system for precise room calibration, and both USB and iPod connectivity, the AVR 660 is an unusually versatile performer, and its full-color graphical interface makes it an exceptionally friendly one. The AVR 660 easily enables multizone audio setups. It automatically corrects annoying "lip sync" problems with both HDMI Lip Sync capability and manual A/V Sync Delay. Front-panel A/V inputs make video gaming more convenient (not to mention more exciting). And an eight-device learning and programmable remote control puts all of the AVR 660's capabilities at your fingertips.

AVR 460

7 x 60W 7.1-Channel A/V Receiver with HDMI Repeater, Audio/Video Processing and Upscaling to 1080p

With Faroudja DCDi Cinema™ processing, automatic video upscaling to 1080p, Dolby Volume control, HDMI repeater technology and A-BUS multiroom capability, the AVR 460 does it all. But until you experience the high-definition on-screen interface that gives you seamless control of all inputs – including iPod and iPhone – you may not fully appreciate how beautifully the AVR 460 actually performs.

AVR 360

7 x 55W 7.1-Channel A/V Receiver with HDMI Repeater, Audio/Video Processing and Upscaling to 1080p

The AVR 360 includes today's most-wanted technologies, including Faroudja DCDi Cinema processing and EzSet/EQ equalization. But the AVR 360 also features technologies so new, you may not yet know what a difference they'll make. Dolby Volume control automatically adjusts incoming audio streams to preset listening levels. Music Enhancer Mode restores life to compressed MP3 tracks. And HDMI repeater circuitry gives you greater freedom in system setup with longer cable connections.

AUDIO/VIDEO RECEIVERS

AVR 260

7 x 50W 7.1-Channel A/V Receiver with HDMI Repeater, Audio/Video Processing and Upscaling to 1080p

The AVR 260 can upscale incoming video signals to the full 1080p HD standard, adding years of enjoyment to your existing DVD library. Coupled with advanced surround-sound technologies that include Dolby TrueHD, DTS-HD Master Audio and Logic 7 processing, the AVR 260 ensures the optimal entertainment experience from virtually any source material, old or new – and at a very reasonable price.

AVR 160

7 x 35W 7.1-Channel A/V Receiver with HDMI Repeater

Generally speaking, people choose Harman Kardon components for performance, not price. But the AVR 160 can be chosen for either. Featuring high-bandwidth digital/analog converters and Dolby TrueHD and DTS-HD Master Audio decoding to bring out the full audio impact of Blu-ray Disc™ technology, the AVR 160 delivers true Harman Kardon performance and ease of use – in a surprisingly affordable package.

iPod not included

AVR 355

7 x 65W 7.1-Channel A/V Receiver with HDMI Repeater, Audio/Video Processing and Upscaling to 1080p

The AVR 355 includes a full complement of Dolby and DTS processing technologies, HDMI repeater capability, Faroudja DCDi Cinema processing, EzSet/EQ equalization and Zone II and A-BUS multiroom capability. It connects to a whole universe of digital and analog sources, as well as to external amps. And with The Bridge II Docking Station, included with the AVR 355, it will even play, control and charge your iPod. To ensure that everything works together seamlessly, the AVR 355 features a full-color graphical user interface and an eight-device programmable remote. Harman Kardon founder Dr. Sidney Harman has always believed that technology should serve users, not intimidate them. The AVR 355 is a perfect case in point.

AVR 255

7 x 50W 7.1-Channel A/V Receiver with HDMI Repeater, Audio/Video Processing and Upscaling to 1080p

The AVR 255 is the most affordable Harman Kardon receiver to feature both Dolby TrueHD and DTS-HD Master Audio™ decoding on the audio side, and Faroudja DCDi Cinema video processing to 1080p on the video side. But there's plenty more to recommend the AVR 255, including three HDMI inputs, connections for external amplifiers, EzSet/EQ technology to fine-tune your system to the acoustics of your room, and an RS-232 port for future firmware upgrades. Perhaps the highest recommendation of all: Like all Harman Kardon A/V receivers, the AVR 255 features a high-current, ultrawide-bandwidth design for maximum fidelity.

AVR 155

**5 x 40W 5.1-Channel A/V Receiver with HDMI Switching**

The AVR 155 is all about getting connected. It features three HDMI inputs, two wide-bandwidth HDTV-ready component video inputs, four S-video inputs, a front-panel input for video games, an auxiliary input for portable media players, and a portfolio of advanced surround-sound processing technologies, including Dolby Digital, DTS and Logic 7 processing. But the AVR 155 is also about ease of use, with color-coded inputs and EzSet/EQ calibration for quick system setup.

TECHNICAL PHILOSOPHY

Harman Kardon equipment featured high bandwidth before most people realized it was a good thing. Technology leaders can lead only by example, and our products have been setting a series of very good examples for more than 55 years. Many of the technologies found in today's finest amplifiers were introduced in our equipment. And we've always been quick to adopt and improve on any good ideas we didn't actually think of ourselves. It doesn't happen often, you understand, but it happens.
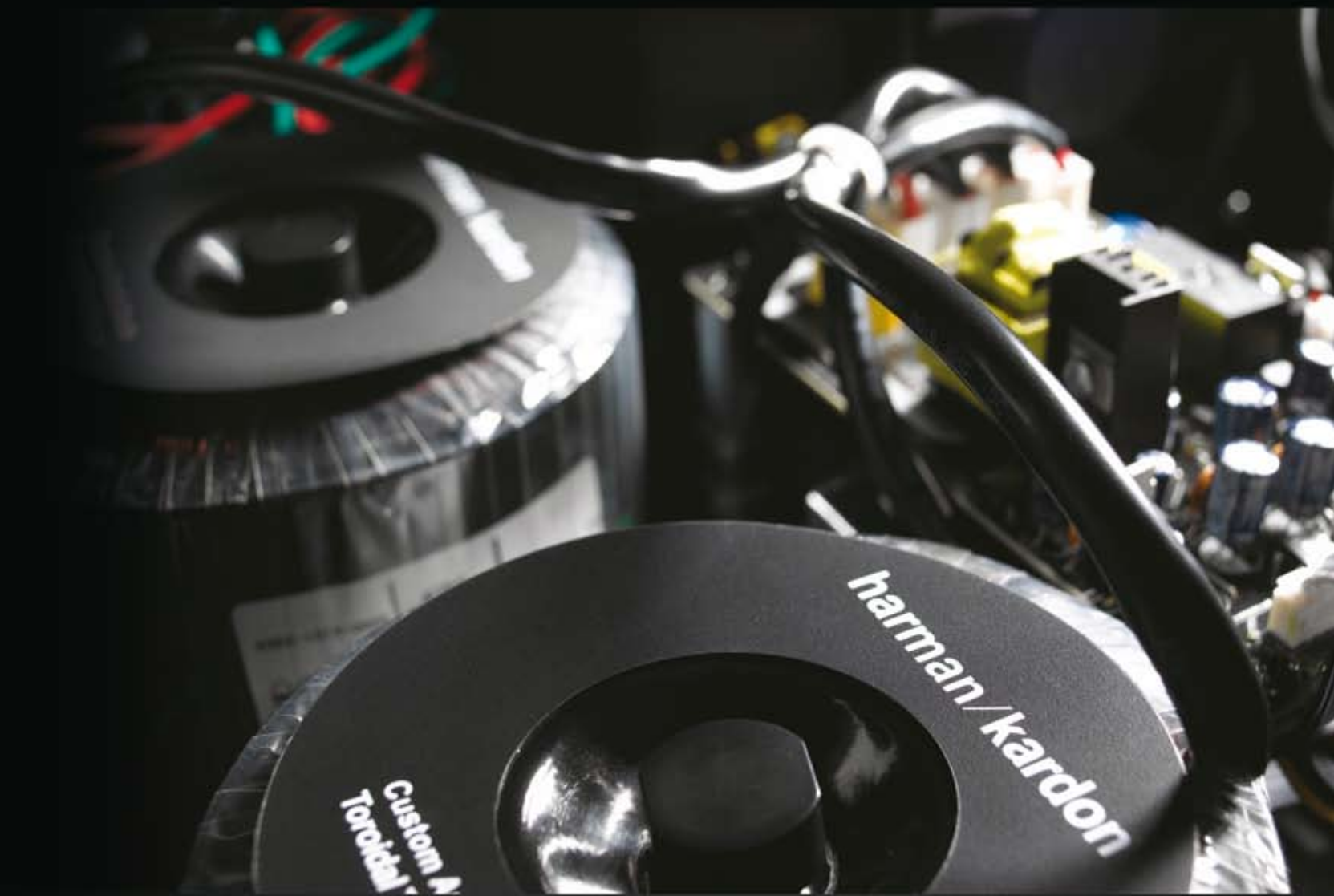
BLU-RAY DISC™/DVD PLAYERS

Today, digital home entertainment comes in a variety of forms, flavors and formats, and Harman Kardon Blu-ray Disc™ and DVD players connect you to the most popular ones with an ease of use that's ours alone. All feature video upscaling with HDMI connectivity, all can handle playback of CD, MP3, WMA and JPEG discs, and all are software-upgradable. Some even offer front-panel inputs for various memory cards and USB devices. The more your digital sources multiply, the more versatile Harman Kardon BD/DVD players become. Funny how that works.

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BDP 10

Blu-ray Disc™ Player with BD-Live

The BDP 10 isn't just an exceptional Blu-ray Disc™ player in the Harman Kardon tradition. And it doesn't just upscale your existing DVD library to the 1080p standard. The BDP 10 is also your ticket to a world of interactive content via BD-Live, an exciting new feature of next-generation Blu-ray Disc technology. Download games, ringtones and other special features from the Internet directly to the BDP 10 from the Blu-ray Disc menu. Or create your own programming, with MP3, WMA and JPEG playback from the front-panel USB port. The Harman Kardon BDP 10 is the most advanced media player we've ever built, the clear choice for high-definition video from any source.

DVD 49

DVD Audio/Video Player with SACD™, Media Card and USB Playback

The most capable of all Harman Kardon multimedia players, the DVD 49 features video upscaling to 1080p via an HDMI output, not to mention unsurpassed fidelity in the reproduction of DivX Ultra, DVD-Audio, SACD™, CD, MP3, WMA and JPEG discs. And it includes front-panel inputs for playback from SD, MMC, Memory Stick® and CompactFlash® cards, as well as USB devices. If you worry that something this versatile must also be complicated, rest easy. An intuitive onscreen interface keeps things simple.

DVD 39

DVD Audio/Video Player with Video Upscaling to 1080p

If it's a DVD, the chances are excellent the DVD 39 will play it – excellently. With upscaling to 1080p and an HDMI output, in addition to internal bass management for greater sonic realism, your discs – including CD, MP3, WMA, JPEG and Kodak® Picture CDs, plus DivX Ultra and DVD recordings – will look and sound their very best. Go ahead; try this veritable universe of entertainment at home. The DVD 39 makes it easy.

DVD 29

DVD Audio/Video Player with Video Upscaling

With gorgeous progressive-scan video and upscaling, four-speed smooth-scan and slow-motion playback from DivX Ultra, JPEG, and Kodak Picture CDs, the DVD 29 is a true best-in-class video performer. But add outstanding MP3 and WMA audio playback, a built-in test screen for easy color adjustments, and a full-featured backlit remote, and you get a lot of advanced technology in an elegantly slim package.

BUSINESS PHILOSOPHY

We didn't start with a business plan in 1953. We started with a product. We weren't looking to find a marketing niche for ourselves. We were looking to build audio components that satisfied and nurtured our own passion for music. We built our first systems for ourselves and a handful of others who could hear what we heard. These days, we have a business plan, an R&D lab, a marketing department – everything a serious company needs to have. But we're still crafting systems for ourselves and others like us. For us, it's still about the music.

iPod and iPhone not included

The Bridge III and The Bridge II
Docking Station for iPhone or iPod

Is your home-entertainment system incomplete without music from your iPhone or iPod? Thanks to Harman Kardon's The Bridge Docking Station, connection and control are completely within your power. The Bridge connects directly to most Harman Kardon AVR receivers and allows you to use your AVR's remote to select and play audio and video content seamlessly – guided by on-screen or front-panel menus that you can read from across the room. The Bridge III is compatible with the AVR 360 and AVR 460. Let the (gloriously uninterrupted) music begin.

6:04PM
harman/kardon
MS 100

disc

Made for
iPod

iPod not included

Made for iPod

iPod not included

Harman Kardon MS 100
High-Performance Audio System

More than 50 years ago, Harman Kardon developed the world's first stereo receiver, a high-performance component combining the functions of several products that had previously only been available separately. Our mission was – and still is – to deliver high-fidelity sound in a convenient and easy-to-use package. Enter the Harman Kardon MS 100. The MS 100 is a complete high-performance audio system. With a CD player, FM tuner, dock for an iPod (iPod not included), integrated loudspeakers, and auxiliary inputs for other audio products, it's a handsome, compact component that's perfect for the home or office – or almost anywhere else.

MULTIROOM PRODUCTS

One-room systems are ideal only for one-room apartments. Most Harman Kardon 7.1-channel AVR receivers are built with multiroom applications in mind. They include assignable rear-channel amplifiers and offer a second-zone control system, and some even include a second-zone remote control. Which means Harman Kardon multiroom systems are easy to set up and use. So go ahead, spread out and enjoy yourself. Your Harman Kardon entertainment system will be there for you.

ABH 4000
Four-Zone/Eight-Room A-BUS Expansion Hub

Different music in different rooms. With an ABH 4000 hub, up to four different input sources and your Harman Kardon AVR, you can easily divide your house into four separate entertainment zones, in which local customs and individual musical tastes may prevail. Link in a remote AVR equipped with A-BUS home audio distribution, and make its tuner and The Bridge accessible throughout the realm. May domestic bliss and your favorite music be with you.

ABH 4
4-Room A-BUS Expansion Hub

One ABH 4 = four rooms; more ABH 4's = many more rooms. With AVRs equipped with A-BUS systems, the more ABH 4's you have, the more rooms you can serve – and the more music-hungry constituents you can satisfy. But even without A-BUS sound distribution, the ABH 4's onboard audio inputs allow you to distribute audio from any receiver's "Tape" or "Multiroom" outputs to any room. As usual, a Harman Kardon product has got you covered.

HE 1000
External Infrared Remote Sensor

When you think about it (and we have), a remote sensor for your system's infrared (IR) remote control only makes sense. One or more HE 1000's can put you in control of your AVR from anywhere in your home. And although it's usually considered impolite to point, the IR sensors don't seem to mind.

AB 2
**Amplified In-Wall Module With Onboard Controls
for A-BUS Applications**

A remote's remote, the AB 2 powers your local speakers without an additional amplifier. It also connects to any AVR or ABH expansion hub equipped with an A-BUS system, easily allowing you to select and control your listening sources as you enter a room (its key caps are swappable, to perfectly mirror your system), or to power the system off as you depart. And during your stay? The AB 2 has an infrared sensor to relay your every wish to the AVR from virtually any Harman Kardon remote control.

AB 1
Amplified In-Wall Module for A-BUS Applications

The AB 1 is often located next to the light switch, and it's every bit as important. Controlling your Harman Kardon AVR in remote rooms and powering the remote-room speakers is as simple as a single connection to the AVR or the nearest ABH expansion hub, plus a link to the speakers. That setup will give you the option of controlling local volume from the AVR's second-zone remote or directly from the AB 1.

CD   /OPTICAL
SPK 1+2 VIRTUAL

harman/kardon

STEREO RECEIVERS

Introduced in 1958, the Harman Kardon Festival® TA230 was the world's first stereo receiver. Powerful, simple and beautifully made, the TA230 became the archetype for every Harman Kardon product to follow. Today, as other manufacturers jump on the multichannel bandwagon, we continue to keep the stereo faith, with a choice of highly refined receivers crafted by and for people who prefer to be entertained with their eyes closed. Featuring digital audio inputs, Dolby® Virtual Speaker technology and other 21st-century innovations, these deeply satisfying systems are, quite literally, timeless.

STEREO RECEIVERS

HK 3490

2 x 120W Stereo Receiver

The insanely powerful HK 3490 combines all of an audiophile's must-haves (high-performance phono preamp, preout/main-in jacks, high-current amplification) with an array of multichannel extras (digital-audio inputs, video switching, dual subwoofer output and Dolby Virtual Speaker technology). Add The Bridge II Docking Station, and the HK 3490 will connect as elegantly to your newfangled iPod as it does to your time-honored turntable. The HK 3490 isn't a snob about where the music comes from, as long as it sounds great when it reaches its final destination: your ears.

HK 3390
2 x 80W Stereo Receiver

The HK 3390 was born to make beautiful music and, like all specialists, it's very good at what it does. It features high-current, ultrawide-bandwidth amplification – a signature Harman Kardon technology that delivers all the subtlety of an original musical performance, whether reproduced from vinyl or your MP3 player of choice. But even specialists enjoy a change of pace from time to time. So the HK 3390 also features four high-quality, composite-video inputs, plus convenient front-panel inputs for video games and portable audio players.

STEREO COMPONENTS

In the beginning there were stereo components, carefully chosen one at a time and lovingly assembled into sublime, high-performance music systems. And from the beginning, Harman Kardon components epitomized the breed. Today, we offer an array of superb musical instruments engineered with purists (ourselves included) in mind.

HK 990

2 x 150W 2.2-Channel Stereo Integrated Amplifier

In terms of raw power, the HK 990 is the most muscular amplifier ever to carry the Harman Kardon name, more than capable of driving the most demanding loudspeaker loads without breaking a sweat. But the HK 990's awesome power is nothing if not highly refined, extending beyond watts and amps. With a choice of discrete optical or digital inputs or an analog-only signal path, as well as fourth-generation Real-Time Linear Smoothing (RLS IV), 2.2-channel EzSet/EQ room optimization, dual subwoofer outputs and an audiophile-quality phono preamp section, the HK 990 offers a combination of features that you will find irresistible. Others, of course, may simply hunger for all that power. We understand completely.

HK 980

2 x 80W Stereo Integrated Amplifier

Superlative two-channel music reproduction is the toughest test of an audio component, and the new Harman Kardon HK 980 delivers effortlessly. Combining an elegant new look with time-proven engineering, the HK 980's high-current, ultrawide-bandwidth design improves transient accuracy and phase linearity while delivering power that is more than a match for even the most demanding loudspeaker loads. The result is lively, dynamic sound that's a true representation of the original performance.

HD 990
CD Player with RLS III

To build a CD player without equal, there are no shortcuts, no compromises, no easy answers. Optimized for precision playback above all, the HD 990 employs two high-performance stereo digital-to-analog converters to deliver third-generation Real-Time Linear Smoothing (RLS III), creating a spacious, richly detailed sound that other players simply cannot duplicate.

HD 980
CD Player

The HD 980 is engineered to deliver the truth, the whole truth and nothing but the truth. With signal-to-noise specs mirroring those of the mixing consoles on which original recordings are made, and a 32-bit DSP for the highest possible jitter rejection, the HD 980 delivers musical purity without artifacts or veils. You'll hear nothing (at least not from the HD 980) to distract you from your favorite music.

TU 980
Dual-Band DAB/FM/AM Tuner

The first Harman Kardon product (more than 50 years ago) was a tuner, and we've been improving them ever since. The TU 980 combines the distortion-free, CD-like sound of digital audio broadcasting with information-rich RDS (radio data system) FM and features a bright, legible, two-line display. You can control it with its own remote or with the remote from most Harman Kardon amplifiers. Either way, you'll enjoy the drift-free reception that's made Harman Kardon tuners famous.

DESIGN PHILOSOPHY

Ludwig Mies van der Rohe borrowed "less is more" from Robert Browning. We borrowed it from Mies. Minimalism has long been a major force in architecture, music and design. It's also been one of our guiding principles from the very beginning. We believe that good design consists of essential elements presented in their purest form, with an absence of excess or decoration. We could go on and on about this concept, but that would be icing on the cake. We don't do icing.

HOME-THEATER SPEAKER SYSTEMS

Harman Kardon HKTS speaker packages don't just take the guesswork out of matching the right combination of speakers to the right subwoofer; they ensure you'll be getting the latest high-performance technologies and materials for the best possible sound. Keeping things simple is important for us. But there is no substitute for performance.

HKTS 11BQ

5.1-Channel Home-Theater Speaker System

The speaker package for people who hate it when people talk during movies, the HKTS 11BQ is a powerful 5.1-channel solution with dual midrange drivers in both the satellites and the center channel for heightened realism. Its 200-watt powered subwoofer for bass isn't one bit intimidated by all that heightened realism. And those talkers? We guarantee they'll find this a tough act to compete against.

HKS 4BQ

Surround Speakers

Don't look behind you. There's nothing back there but your HKS 4BQ speakers, adding back-channel surround sound to HKTS 7 or HKTS 11 systems. We'll admit that the HKS 4BQ's realistic audio can be a little spooky at first, especially if it happens to sound like the overnight delivery guy driving up or something else that might actually be happening in the real world. But you'll learn to cope.

HKTS 7BQ

5.1-Channel Home-Theater Speaker System

Please have your tickets ready. With a dual-driver, center-channel speaker for vivid, distinct movie dialogue, four compact but powerful satellites to pull you into the action, and a 100-watt powered subwoofer for heart-stopping bass, the HKTS 7BQ system is more than equal to all the excitement Hollywood is dishing out these days.

HKTS 2BQ

2.1-Channel Home-Theater and Music System

The ideal solution in listening rooms where space is limited, the HKTS 2 system reproduces stereo music sources and dynamic movie soundtracks with equal finesse. The compact but powerful subwoofer adds the serious bass punch that almost every movie needs.

HTFS 2BQ

Floor Stands

Designed to position any HKTS satellite at an ideal height for seated listeners, these aluminum floor stands feature a cable-management system to keep speaker wires out of sight. You're welcome.
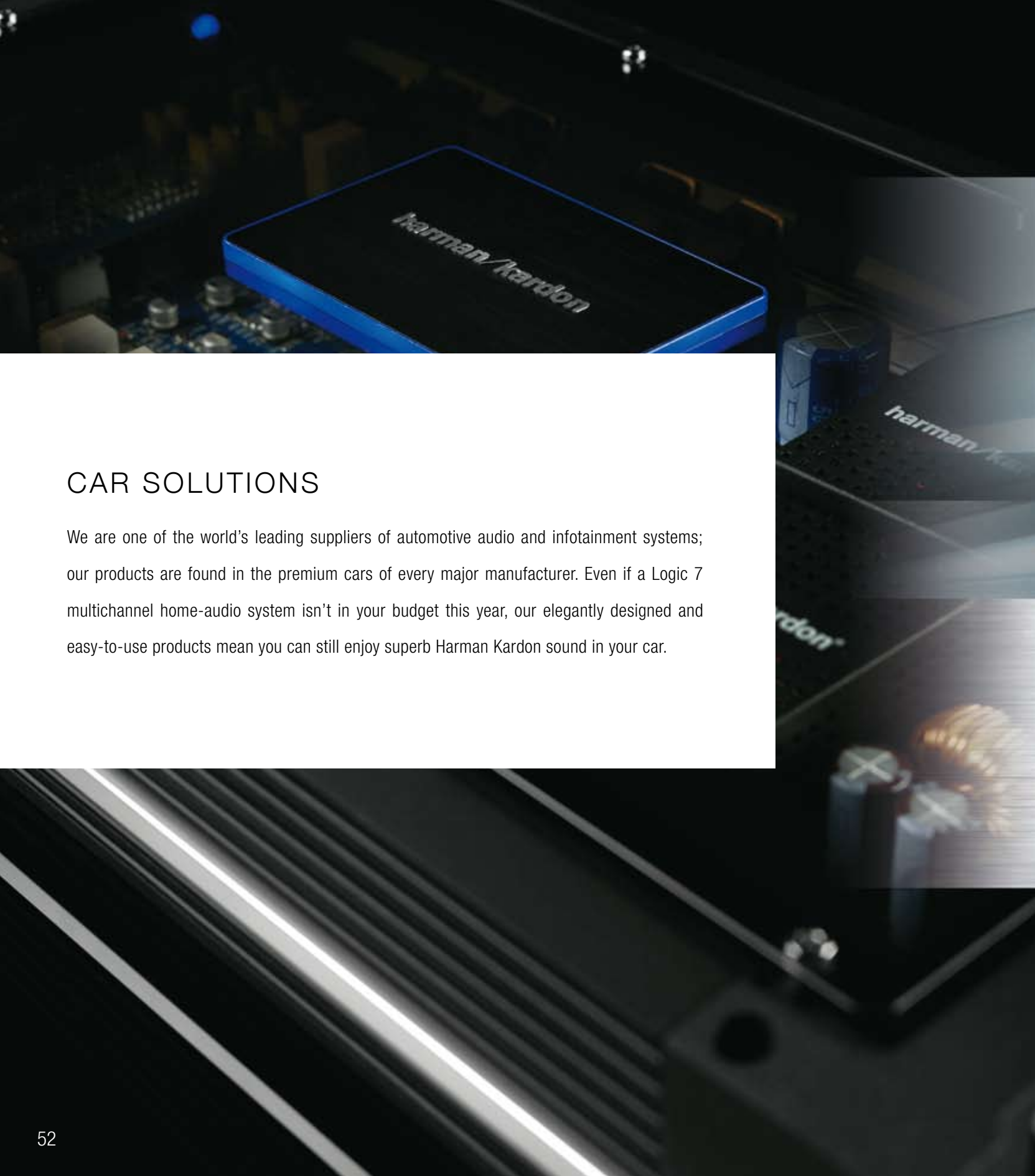
CAR SOLUTIONS

We are one of the world's leading suppliers of automotive audio and infotainment systems; our products are found in the premium cars of every major manufacturer. Even if a Logic 7 multichannel home-audio system isn't in your budget this year, our elegantly designed and easy-to-use products mean you can still enjoy superb Harman Kardon sound in your car.

CLASSIC SERIES

For audiophiles who drive, the new series of Harman Kardon high-performance automotive amplifiers engineered for high output and low distortion are the perfect choice. Elegant looking but carrying all the power our 50-plus years of amplifier experience can pack into them, Classic Series amps are high-bandwidth designs based on selected parts and carefully designed electronics. Like all Harman Kardon amplifiers, they're more than capable of musical nuance. But they're equally capable of disturbing the peace.

CA280
2-Channel Full-Range Amplifier
2 x 110W RMS @ 4 Ohms

It's a stereo renaissance. The CA280 comes in a classic stereo configuration and delivers high power into a pair of loudspeakers or, with channels bridged, into a power-hungry subwoofer. Built-in electronic crossovers allow for easy system tuning.

CA470

4-Channel Full-Range Amplifier
4 x 85W RMS @ 4 Ohms

Fine-tuned performance. Whether you use your CA470 to drive four loudspeakers, or a pair of speakers and a subwoofer, or two high-powered channels, you can tune your system for its best performance, using the built-in filters and system controls.

CA5250

5-Channel System Amplifier
4 x 55W + 200W RMS @ 4 Ohms

The one-box solution. The CA5250 features dual high-output MOSFET power supplies to drive a full audio system – one that includes a subwoofer – with minimal distortion. A full package of built-in filters and controls gives you all the flexibility you need to fine-tune your audio system. A remote bass-level control is also included.

CA1500M

Mono Subwoofer Amplifier
600W RMS @ 2 Ohms

More power into low impedances. With its high-efficiency Class D circuit, the CA1500M delivers distortion-free power into any subwoofer load down to one ohm. A Variable Q bass equalizer with a subsonic filter optimizes system response, while bass level can be easily adjusted from the driver's seat.

CONTROL FOR iPOD

DRIVE + PLAY™ 2

Your car is a great place to listen to music. And the Apple® iPod is a great way to bring your favorite tunes along for the ride. But how can you get at your songs and playlists without taking your mind off your driving? The innovative Harman Kardon Drive + Play™ 2 system gives you all the music-browsing capabilities of your iPod. And it's designed to work with existing car-audio systems. Browse by artist, album, song, genre or composer. Scroll through your playlists. Jump ahead to the next track or play the last one over and over. All from the driver's seat. All without taking your eyes off the road.

Made for
iPod

iPod not included

DRIVE + PLAY 2

The next generation of in-car media-player interfaces, Drive + Play 2 not only controls your iPod, it also offers full access to audio tracks located on all kinds of USB flash devices. The 89mm high-resolution color display shows full-color album art and anti-aliased text. The wireless, five-button controller lets you generate your own music mixes and control additional Harman Kardon accessories. The optional Bluetooth® hands-free kit lets you import and browse your phone book and gives you full hands-free functionality, even for multiple phones. The external microphone with various installation options ensures perfect audio quality. Drive + Play 2 plugs directly into your car's cigarette-lighter port and plays high-quality audio through a built-in wireless FM transmitter or 3.5mm line outputs.

PERSONAL / COMPUTER SOLUTIONS

For the last 10 years, Harman Kardon – along with key computer manufacturers such as Apple, Dell, Compaq and Toshiba – has been leading the way in the design and supply of high-quality loudspeakers for use in multimedia-rich computer systems. Today, our expertise has been applied to products we've designed for use with your own computer and for other multimedia devices, including the iPod. It all began with the SoundSticks® system, now part of the permanent collection of New York City's Museum of Modern Art. Our award-winning loudspeaker systems are also on display at your local retailer, where you can pick up a piece of design history for yourself.

Made for
iPod

iPod not included

HARMAN KARDON GLA-55

Two-Piece Speaker System

No desktop audio system has merged art and science so beautifully and so functionally as the GLA-55. Every detail, from the facets of its bass-reflex enclosures to its custom chrome tubing, has been designed to complement its astonishingly high sonic quality. From the powerful bass of its Atlas™ woofers to the crystal-clear highs of the aluminum tweeters to its touch-sensitive volume controls, the GLA-55 system is audio luxury defined. It's also extremely versatile and can be used with a computer, iPod or virtually any audio device with a 3.5mm output.

SOUNDSTICKS® II
Self-Powered Satellite
Speakers and Subwoofer System

Clearly superior. An awesome 15cm, 20-watt powered subwoofer. Eight 3cm full-range transducers. Plug-and-play compatibility with virtually any multimedia device. And a museum-honored design that perfectly matches the clarity of the sound. The Harman Kardon SoundSticks system brings a new level of excitement to music, games and movies – and looks spectacular doing it.

HARMAN KARDON GO + PLAY™
High-Performance Portable Loudspeaker Dock
for iPod

Understated, sublimely functional industrial design. Unsurpassed performance and ease of use. From its flat iPod cradle and smart radio-frequency remote control to its arching stainless-steel handle, this is the loudspeaker dock that only Harman Kardon engineers could build. It delivers tight, accurate bass from high-excursion low-frequency drivers. Just as important, its highs are distinct and crystal clear. And it charges the latest generation of iPod models. The Harman Kardon Go + Play™ loudspeaker dock is AC- or battery-operated, so it will go anywhere your iPod or other music player goes – and make your favorite music sound great when it arrives.

Made for
iPod

iPod not included

SPECIFICATIONS

Model	HS 350	HS 250	HS 200 / HS 200WQ
Description	5.1-channel integrated home-theater system	2.1-channel integrated home-theater system	2.1-channel integrated home-theater system
Multichannel Power	35W x 5	65W x 2	65W x 2
Speaker System	HKTS 11	HKTS 2	HKTS 2
Surround Formats	DTS,® Dolby® Digital, Dolby Pro Logic® II, Logic 7®	Dolby® Virtual Speaker	Dolby® Virtual Speaker
DVD Player	Progressive scan	Progressive scan	Progressive scan
External Audio Connection	Tape in/out	Tape in/out	Tape in/out
Digital Audio Inputs (Coax/Optical)	1/1	1/1	1/1
USB Input (Side/Rear)	1/1	1/1	1/1
Video Outputs	HDMI,™ composite, S, component, SCART	HDMI,™ composite, S, component, SCART	HDMI,™ composite, S, component, SCART
Video Formats	DVD, DVD-R/RW, DVD+R/RW, VCD, SVCD, DivX®	DVD, DVD-R/RW, DVD+R/RW, VCD, SVCD, DivX®	DVD, DVD-R/RW, DVD+R/RW, VCD, SVCD, DivX®
Audio Formats	DVD-Audio, CD, CD-R/RW, MP3, WMA[1]	DVD-Audio, CD, CD-R/RW, MP3, WMA[1]	CD, CD-R/RW, MP3, WMA[1]
Compressed-Audio Bit Rates	MP3: 32 kbps – 320 kbps WMA[1]: 16 kbps – 192 kbps	MP3: 32 kbps – 320 kbps WMA[1]: 16 kbps – 192 kbps	MP3: 32 kbps – 320 kbps WMA[1]: 16 kbps – 192 kbps
DMP The Bridge Input	Yes	Yes (The Bridge included)	No
EzSet® Capability	EzSet/EQ	No	No
Still-Image Formats	JPEG	JPEG	JPEG
JPEG Resolution	5 megapixels, 5MB file size	5 megapixels, 5MB file size	5 megapixels, 5MB file size
Still-Image Rotation	90° increments	90° increments	90° increments
Upscaling	720p and 1080i	720p and 1080i	720p and 1080i
Tuner	FM RDS, 30 presets	FM RDS, 30 presets	FM RDS, 30 presets
Test Screen	Yes	Yes	Yes
Fast Play	2x, 4x, 16x, 100x	2x, 4x, 16x, 100x	2x, 4x, 16x, 100x
Slow Play	1/2x, 1/4x, 1/8x, 1/16x	1/2x, 1/4x, 1/8x, 1/16x	1/2x, 1/4x, 1/8x, 1/16x
Random Play	Yes, within CD	Yes, within CD	Yes, within CD
Repeat Play	1 track, 1 disc, A/B[2]	1 track, 1 disc, A/B[2]	1 track, 1 disc, A/B[2]
Remote	System remote	System remote	System remote
Dimensions (H x W x D)	90mm x 350mm x 325mm	80mm x 350mm x 325mm	80mm x 350mm x 325mm
Weight (Excluding Speaker System)	7.5kg	6.7kg	6.7kg

[1] Windows Media® Audio (WMA) is a proprietary file format developed by Microsoft.

[2] A/B Repeat Play is available for DVDs, CDs and VCDs only.

Model	AVR 760	AVR 660	AVR 460	AVR 360	AVR 260
Description	7.2-channel AVR	7.1-channel AVR	7.1-channel AVR	7.1-channel AVR	7.1-channel AVR
Stereo Power (FTC)	100 x 2	90 x 2	80 x 2	65 x 2	65 x 2
Multichannel Power (FTC)	85 x 7*	75 x 7*	60 x 7*	55 x 7*	50 x 7*
Amplifier Type	High-current ±60 amps	High-current ±50 amps	High-current ±35 amps	High-current ±35 amps	High-current ±35 amps
THD @ Impedance	0.07% @ 8 ohms	0.07% @ 8 ohms	0.07% @ 8 ohms	0.07% @ 8 ohms	0.07% @ 8 ohms
Bandwidth	20Hz – 20kHz	20Hz – 20kHz	20Hz – 20kHz	20Hz – 20kHz	20Hz – 20kHz
Bandwidth @ 1W (+0dB/–3dB)	10Hz – 130kHz	10Hz – 130kHz	10Hz – 130kHz	10Hz – 130kHz	10Hz – 130kHz
Signal-to-Noise Ratio (IHF-A)	100dB	100dB	100dB	100dB	100dB
Power Supply	Independent front & rear	Independent front & rear	Independent front & rear	Independent front & rear	Independent front & rear
Dolby® Digital Plus	Yes	Yes	Yes	Yes	Yes
Dolby TrueHD	Yes	Yes	Yes	Yes	Yes
Dolby Digital	Dolby Digital EX	Dolby Digital EX	Dolby Digital EX	Dolby Digital EX	Dolby Digital EX
Dolby Pro Logic® II	Pro Logic IIx	Pro Logic IIx	Pro Logic IIx	Pro Logic IIx	Pro Logic IIx
Dolby Volume	Yes	Yes	Yes	Yes	No
Virtual Speaker	Yes	Yes	Harman virtual speaker	Harman virtual speaker	Dolby Virtual Speaker
DTS-HD™/DTS-HD Master Audio™	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
DTS® 5.1	Yes	Yes	Yes	Yes	Yes
DTS-ES® 6.1 Discrete & Matrix	Yes	Yes	Yes	Yes	Yes
DTS 96/24™	Yes	Yes	Yes	Yes	Yes
DTS Neo:6®	Yes	Yes	Yes	Yes	Yes
Logic 7® Processing	Yes	Yes	Yes	Yes	Yes
Headphone Modes	2-channel Dolby HP	2-channel Dolby HP	2-channel Harman HP	2-channel Harman HP	2-channel, Dolby HP
Multizone Capability	Audio/video, with remote	Audio, with remote	Audio, with remote	Audio	Audio
Assignable Rear-Channel Amplifiers	Yes	Yes	Yes	Yes	Yes
A-BUS/READY™	Yes	Yes	Yes	No	No
EzSet® Capability	EzSet/EQ™ II	EzSet/EQ™	EzSet/EQ™	EzSet/EQ™	EzSet/EQ™
S-Video/Composite Video Inputs	4/4	4/4	0/4	0/4	4/4
Analog Audio Inputs	6	6	6	6	6
Digital Audio Inputs (Coax/Optical)	Rear panel 3/3 Front panel 1/1	Rear panel 3/3 Front panel 1/1	Rear panel 2/2 Front panel 1/1	Rear panel 2/2 Front panel 1/1	Rear panel 2/2 Front panel 1/1
Digital Audio Outputs (Coax/Optical)	Rear panel 1/1	Rear panel 1/1	Rear panel 1/1	Rear panel 1/1	Rear panel 1/1
USB Port[1]	Yes	Yes	For software update	For software update	No
Ethernet Input	Yes	Yes	No	No	No
Digital Input Polling	All video inputs	All video inputs	All video inputs	All video inputs	All video inputs
Direct Audio Inputs	7.1 with bass management	7.1	7.1	7.1	7.1
iPod Connectivity	The Bridge II	The Bridge II	The Bridge III	The Bridge III	Aux input
HDMI™ Inputs/Output	4/1	4/1	4/1	4/1	3/1
HDMI Type	1.3a	1.3a	1.3a	1.3a	1.3a
Preamp Outputs	7.2 channels	7.1 channels	7.1 channels	Subwoofer	Subwoofer
Component Video Inputs (Assignable)	3 @ 100MHz	3 @ 100MHz	3 @ 50MHz	3 @ 50MHz	3 @ 50MHz
Bass Management	Quad crossover	Quad crossover	Quad crossover	Quad crossover	Quad crossover
On-Screen Display	Yes, on HDMI and component	Yes, on HDMI and component	Yes, on HDMI and component	Yes, on HDMI and component	Yes, on HDMI and component
Input Titling	All inputs	All inputs	All inputs	All inputs	All inputs
DSP Processor	Dual TI DA 710	Dual TI DA 710	Cirrus® CS 49700	Cirrus® CS 49700	Cirrus® CS 49700
Output DACs	192kHz/24-bit	192kHz/24-bit	192kHz/24-bit	192kHz/24-bit	192kHz/24-bit
Video Processing/Conversion	Faroudja DCDi Cinema™ scaling to 1080p	Faroudja DCDi Cinema™ scaling to 1080p	Faroudja DCDi Cinema™ scaling to 1080p	Faroudja DCDi Cinema™ scaling to 1080p	Faroudja DCDi Cinema™ scaling to 1080p
High-Resolution GUI	Yes	Yes	Yes	Yes	Yes
A/V Sync Delay per Input	200 mS	200 mS	180 mS	180 mS	180 mS
IEC Detachable Power Cord	Yes	Yes	Yes	No	No
System Remote	8-device, backlit, learning & preprogrammed	8-device, backlit, learning & preprogrammed	8-device, learning & preprogrammed	7-device, preprogrammed	7-device, preprogrammed
IR-In/Out Jacks	Yes	Yes	Yes	Yes	Yes
IR Carrier Output	Yes	Yes	Yes	No	No
Discrete Remote On/Off Codes	Yes	Yes	Yes	Yes	Yes
Low-Voltage Trigger Jacks	2	2	No	No	No
External Data Port	USB and RS-232	USB and RS-232	No	No	No
Speaker Terminals	All-metal color-coded binding posts	Color-coded binding posts	Color-coded binding posts	Color-coded binding posts	Color-coded binding posts
Dimensions (H x W x D)	165mm x 440mm x 426mm	165mm x 440mm x 426mm	165mm x 440mm x 382mm	165mm x 440mm x 382mm	165mm x 440mm x 382mm
Weight	23.6kg	18.6kg	14.4kg	14.0kg	14.0kg

[1] USB port is compatible only with PCs running either Microsoft® Windows® 2000 with Service Pack 4 or higher or Windows XP with Service Pack 1 or higher.

* All channels operating at full power.

SPECIFICATIONS

Model	AVR 355	AVR 255	AVR 160	AVR 155
Description	7.1-channel AVR	7.1-channel AVR	7.1-channel AVR	5.1-channel AVR
Stereo Power (FTC)	70 x 2	65 x 2	40 x 2	50 x 2
Multichannel Power (FTC)	65 x 7*	50 x 7*	35 x 7*	40 x 5*
Amplifier Type	High-current ±35 amps	High-current ±35 amps	High-current ±25 amps	High-current ±25 amps
THD @ Impedance	0.07% @ 8 ohms	0.07% @ 8 ohms	0.07% @ 8 ohms	0.07% @ 8 ohms
Bandwidth	20Hz – 20kHz	20Hz – 20kHz	20Hz – 20kHz	20Hz – 20kHz
Bandwidth @ 1W (+0dB/–3dB)	10Hz – 130kHz	10Hz – 130kHz	10Hz – 130kHz	10Hz – 130kHz
Signal-to-Noise Ratio (IHF-A)	100dB	100dB	100dB	100dB
Power Supply	Independent front & rear	Independent front & rear	Independent front & rear	Independent front & rear
Dolby® Digital Plus	Yes	Yes	Yes	No
Dolby TrueHD	Yes	Yes	Yes	No
Dolby Digital	Dolby Digital EX	Dolby Digital EX	Dolby Digital EX	Dolby Digital
Dolby Pro Logic® II	Pro Logic IIx	Pro Logic IIx	Pro Logic IIx	Pro Logic II
Dolby Volume	No	No	No	No
Virtual Speaker	Dolby virtual speaker	Dolby virtual speaker	Harman virtual speaker	Dolby virtual speaker
DTS-HD™/DTS-HD Master Audio™	Yes / Yes	Yes / Yes	Yes / Yes	No / No
DTS® 5.1	Yes	Yes	Yes	Yes
DTS-ES® 6.1 Discrete & Matrix	Yes	Yes	Yes	Yes
DTS 96/24™	Yes	Yes	Yes	Yes
DTS Neo:6®	Yes	Yes	Yes	Yes
Logic 7® Processing	Yes	Yes	Yes	Yes
Headphone Modes	2-channel, Dolby HP	2-channel, Dolby HP	2-channel, Harman HP	2-channel, Dolby HP
Multizone Capability	Audio, with remote	Audio	No	No
Assignable Rear-Channel Amplifiers	Yes	Yes	No	No
A-BUS/READY™	Yes	No	No	No
EzSet® Capability	EzSet/EQ™	EzSet/EQ™	EzSet/EQ™	EzSet/EQ™
S-Video/Composite Video Inputs	0/4	0/4	0/4	0/4
Analog Audio Inputs	6	6	6	6
Digital Audio Inputs (Coax/Optical)	Rear panel 2/2 Front panel 1/1	Rear panel 2/2 Front panel 1/1	Rear panel 2/2 Front panel 1/1	Rear panel 2/2 Front panel 1/1
Digital Audio Outputs (Coax/Optical)	Rear panel 1/1	Rear panel 1/1	Rear panel 1/0	Rear panel 1/0
USB Port[1]	No	No	For software update	No
Ethernet Input	No	No	No	No
Digital Input Polling	All video inputs	All video inputs	All video inputs	All video inputs
Direct Audio Inputs	7.1	7.1	7.1	5.1
iPod Connectivity	Yes	No	Aux input	No
HDMI™ Inputs/Output	3/1	3/1	3/1	3/1
HDMI Type	1.3a with audio/video processing	1.3a with audio/video processing	1.3a Switching	1.3a Switching
Preamp Outputs	7.1 Channels	7.1 Channels	Subwoofer	Subwoofer
Component Video Inputs (Assignable)	3 @ 100MHz	3 @ 100MHz	2 @ 50MHz	2 @ 100MHz
Bass Management	Quad crossover	Quad crossover	Quad crossover	Triple crossover
On-Screen Display	Yes, on HDMI and component	Yes, on HDMI and component	Yes	Yes
Input Titling	All inputs	All inputs	All inputs	All inputs
DSP Processor	Cirrus® CS 49700	Cirrus® CS 49700	Cirrus® CS 49700	Cirrus® CS 49510
Output DACs	192kHz/24-bit	192kHz/24-bit	192kHz/24-bit	192kHz/24-bit
Video Processing/Conversion	Faroudja DCDi Cinema™ scaling to 1080p	Faroudja DCDi Cinema™ scaling to 1080p	No	No
High-Resolution GUI	Yes	Yes	No	No
A/V Sync Delay per Input	180 mS	180 mS	80 mS	80 mS
IEC Detachable Power Cord	Yes	No	No	No
System Remote	7-device, preprogrammed	6-device, preprogrammed	6-device, preprogrammed	6-device, preprogrammed
IR-In/Out Jacks	Yes	No	Yes	No
IR Carrier Output	Yes	No	No	No
Discrete Remote On/Off Codes	Yes	Yes	Yes	Yes
Low-Voltage Trigger Jacks	No	No	No	No
External Data Port	No	No	No	No
Speaker Terminals	Color-coded binding posts	Color-coded binding posts	Color-coded binding posts	Color-coded binding posts
Dimensions (H x W x D)	151mm x 440mm x 351mm	151mm x 440mm x 351mm	165mm x 440mm x 460mm	151mm x 440mm x 351mm
Weight	14.4kg	13.6kg	9.1kg	11.1kg

[1] USB port is compatible only with PCs running either Microsoft® Windows® 2000 with Service Pack 4 or higher or Windows XP with Service Pack 1 or higher.

* All channels operating at full power.

Model	BDP 10
Description	Profile 2.0 Blu-ray Disc™ player
Video Formats	BD-Video, DVD, DVD-R/RW, DVD+R/RW, CD, CD-R/RW, MP3
Audio Formats	Dolby® TrueHD, Dolby Digital Plus, Dolby Digital, DTS-HD Master Audio™, LPCM, MPEG-1 and 2, MP3, Windows Media® 9
HDMI Output	HDMI™ v/1.3a with x.v. Color™, Dolby TrueHD, DTS-HD Master Audio and PCM up to 7.1 channels
Still-Image Formats	JPEG
USB Capability	Read, front panel
Audio DACs	192kHz/24 bit
Video DACs	Up to 148.25 MHz, depending on disc and output resolution
Video Output	480i, 480p, 576i, 576p, 720p, 1080i, 1080/24,50,60p
Screen Saver	Yes
Compressed Audio Bit Rates	MP3: 32 kbps - 320 kbps, WMA: 64 kbps - 320 kbps
JPEG Resolution	Up to 10 megapixels. Maximium file size: 5MB
Disc-Recognition Memory	Yes
Still-Image Rotation	90 degree rotation
Slow Play	1/2x, 1/4x, 1/8x
Fast Play	2x, 4x, 8x, 16x, 32x, 64x, 128x
Random Play	MP3 only
Repeat Play	A/B, DVD: Chapter/Title, CD: Track/All, MP3: track/folder, WMA: Playlist
Digital Audio Outputs	Optical, coax, HDMI 1.3a
Remote	Backlit
IR-in/out jacks	Yes
Dimensions (H x W x D)	66mm x 440mm x 352mm
Weight	3.7kg

Model	DVD 49	DVD 39	DVD 29
Description	DVD audio/video player with SACD™ and HDMI™	Progressive-scan DVD player with HDMI™	Progressive-scan DVD player
Video Formats	DVD, DVD-R/RW, DVD+R/RW, VCD	DVD, DVD-R/RW, DVD+R/RW, VCD	DVD, DVD-R/RW, DVD+R/RW, VCD
Audio Formats	DVD-Audio, SACD,™ CD, CD-R/RW, MP3, WMA[1]	DVD-Audio, CD, CD-R/RW, MP3, WMA[1]	DVD-Audio, CD CD-R/RW, MP3, WMA[1]
HDMI™ Output	Yes, HDMI 1.2a	Yes, HDMI 1.2a	Yes, HDMI 1.1
Still-Image Formats	JPEG, Kodak® Picture CD	JPEG, Kodak® Picture CD	JPEG, Kodak® Picture CD
USB Capability	Read, Front Panel	No	No
Card Types Accepted	Read, CF, Memory Stick, SD, MMC	No	No
DivX	Yes	Yes	Yes
Audio DACs	192kHz/24-bit	192kHz/24-bit	192kHz/24-bit
Video DACs	27MHz - 54MHz/10-bit	27MHz - 54MHz/10-bit	27MHz - 54MHz/10-bit
Video Outputs	480i, 480p, 576i, 576p, 720p, 1080p	480i, 480p, 576i, 576p, 720p, 1080p	480i, 480p, 576i, 576p, 720p
Video Test Screen	Yes	Yes	Yes
Video-Off Mode	Yes	Yes	Yes
Screen Saver	Yes	Yes	Yes
Compressed-Audio Bit Rates	MP3: 32 kbps - 320 kbps, WMA[1]: 64 kbps - 320 kbps	MP3: 32 kbps - 320 kbps, WMA[1]: 64 kbps - 320 kbps	MP3: 32 kbps - 320 kbps, WMA[1]: 64 kbps - 320 kbps
JPEG Resolution	5 Megapixels, 5MB file size	5 Megapixels, 5MB file size	5 Megapixels, 5MB file size
Disc-Recognition Memory	DVD-Video: 100 discs, MP3/WMA[1]: 5 discs	DVD-Video: 100 discs, MP3/WMA[1]: 5 discs	DVD-Video: 100 discs, MP3/WMA[1]: 5 discs
Still-Image Rotation	90-degree increments	90-degree increments	90-degree increments
Slow-Play Forward	1/2x, 1/4x, 1/8x, 1/16x	1/2x, 1/4x, 1/8x, 1/16x	1/2x, 1/4x, 1/8x, 1/16x
Slow-Play Reverse	1/2x, 1/4x	1/2x, 1/4x	1/2x, 1/4x
Fast Play	2x, 4x, 8x, 20x, 100x	2x, 4x, 8x, 20x, 100x	2x, 4x, 8x, 20x, 100x
Random Play	CDs only	CDs only	CDs only
Repeat Play	Disc, track, A/B[2]	Disc, track, A/B[2]	Disc, track, A/B[2]
Programmed Play	CDs only	CDs only	CDs only
Digital Audio Outputs	Coax, optical, HDMI 1.2	Coax, optical, HDMI 1.2	Coax, optical, HDMI 1.1
Remote	Backlit	Backlit	Backlit
IR-In/Out Jacks	Yes	Yes	Yes
Dimensions (H x W x D)	51mm x 440mm x 286mm	51mm x 440mm x 286mm	51mm x 440mm x 286mm
Weight	4.0kg	4.0kg	4.0kg

[1] Windows Media® Audio (WMA) is a proprietary file format developed by Microsoft.
[2] A/B Repeat Play is available for DVDs, CDs and VCDs only.

SPECIFICATIONS

Model	The Bridge II	The Bridge III
Description	Docking station for iPod	Docking station for iPod/iPhone/iPhone 3G
iPod Requirements	iPod with docking connector	iPod with docking connector
iPod Compatibility	Compatible with most docking iPod models, 4G and later	Compatible with most docking iPod models, 4G and later
Receiver Requirements	Harman Kardon® AVR with The Bridge or The Bridge II connector; includes AVR x40, AVR x45, AVR x47, AVR x55, AVR 660, AVR 760	Harman Kardon® AVR 360, AVR 460
Dimensions (H x W x D)	30mm x 114mm x 114mm	30mm x 114mm x 114mm
Weight	167g	167g

Model	MS 100
Description	High-performance audio system
Drivers	2-Way, 127mm (5") amplified stereo speakers
Power	2 x 30W
Frequency Response	57Hz - 20kHz
Audio Formats	CD, CD-R, CD-RW, enhanced CD, MP3, and WMA playback
MP3 Playback	Yes
WMA Playback	Yes
Audio Inputs	Universal iPod dock[1]
	Front-panel stereo mini-jack
	Front-panel stereo mini-jack for line-level or optical-digital audio
	Rear-panel dual RCA jacks (line-level)
Video Outputs	Composite and S-video outputs[2]
Headphone Output	Yes, front panel
Subwoofer Output	Yes
Tuner	FM stereo with RDS, 6 presets
Frequency Range	87.5 - 108MHz
Clock with Alarm and Memory Backup	Yes
Signal-to-Noise Ratio (A-Weighted)	75dBA
Line-Level Output	2.0V RMS
System Remote	Yes
Dimensions (H x W x D)	252mm x 488mm x 194mm
Weight	8.2kg

[1] Compatible with most iPod models, 4G and later (iPod not included), with video output available when used with photo- and video-capable iPod models that support video browsing
[2] For use with photo- and video-capable iPod models that support video browsing

Model	MAS 100	MAS 110
Description	Compact music system	Compact music system
Speaker System	Dedicated to MAS: "MAS Speakers"	Dedicated to MAS: "MAS Speakers"
Power	2 x 65W	2 x 65W
Frequency Response	20Hz - 20kHz	20Hz - 20kHz
Audio Formats	CD, CD-R, CD-RW, enhanced CD, MP3, and WMA playback	CD, CD-R, CD-RW, enhanced CD, MP3, and WMA playback
MP3 Playback	Yes	Yes
WMA Playback	Yes	Yes
Analog Audio Inputs	2	2
Digital Audio Inputs (coaxial/optical)	2/2	2/2
Phono Input (MM)	1	1
USB Input (side/rear)	1/1	1/1
Auxiliary Input	1 (stereo mini-jack)	1 (stereo mini-jack)
Headphone Output	Yes, side panel	Yes, side panel
Tuner	FM stereo with RDS, 30 presets	FM stereo with RDS, 30 presets
DAB/DAB+	No	Yes
Frequency Range	87.5 - 108MHz	87.5 - 108MHz
Clock with Alarm and Memory Backup	Yes, dual alarm	Yes, dual alarm
Signal-to-Noise Ratio (A-Weighted)	98dBA	98dBA
Line-Level Output	2.0V RMS	2.0V RMS
System Remote	Yes	Yes
Dimensions Electronics (H x W x D)	80mm x 240mm x 240mm (2x)	80mm x 240mm x 240mm (2x)
Dimensions Speakers (H x W x D)	270mm x 180mm x 185mm	270mm x 180mm x 185mm
Weight Electronics	2.0kg + 2.6kg	2.0kg + 2.6kg
Weight Speakers	5kg each	5kg each

Model	ABH 4000	ABH 4
Description	4-zone/eight-room A-BUS® expansion hub	Four-room A-BUS® expansion hub
System Requirements	AB 1, AB 2 or other compatible A-BUS modules, Harman Kardon® A-BUS/READY™ receiver or any source device with standard analog L/R outputs	AB 1 or other compatible A-BUS modules, Harman Kardon® A-BUS/READY receiver or any source device with standard analog L/R outputs
Dimensions (H x W x D)	ABH 4000: 105mm x 240mm x 38mm Power supply: 37mm x 151mm x 71mm	ABH 4: 84mm x 183mm x 30mm Power supply: 37mm x 151mm x 71mm
Weight	ABH 4000: 0.65kg; power supply: 0.45kg	ABH 4: 0.4kg; power supply: 0.45kg

Model	AB 1	AB 2
Description	A-BUS/READY in-wall module with built-in amplifier	Amplified in-wall module with onboard controls for A-BUS applications
System Requirements	Any Harman Kardon® A-BUS/READY receiver or any receiver or source product connected to an ABH 4 or ABH 4000. Connections via Cat. 5/5e cable. Use with 6-ohm or 8-ohm speakers with sensitivity >88dB. Includes IR sensor for pass-through of remote commands.	Any Harman Kardon® A-BUS/READY receiver or any receiver or source product connected to an ABH 4000. Connections via Cat. 5/5e cable. Use with 6-ohm or 8-ohm speakers with sensitivity >88dB. Includes IR sensor for pass-through of remote commands.
Dimensions (H x W x D)	108mm x 44mm x 57mm	108mm x 44mm x 57mm
Weight	0.11kg	0.15kg

Model	HE 1000
Description	External infrared remote sensor
System Requirements	Harman Kardon® or compatible products with "IR Remote-In" jack
Includes	Power supply, connecting block, connecting cable
Dimensions (H x W x D)	25mm x 84mm x 59mm
Weight	162g

Model	HK 3490	HK 3390
Description	Stereo receiver	Stereo receiver
Power (FTC)	120 x 2	80 x 2
Total Harmonic Distortion	<0.07%	<0.07%
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
Dolby® Virtual Speaker	Yes	No
Audio Inputs	7 (1 on front panel)	7 (1 on front panel)
Video Inputs	4 (1 on front panel)	4 (1 on front panel)
Video Outputs	2	2
Digital Audio Inputs (Coax/Optical)	Rear panel 1/1	No
DMP The Bridge Input	Yes	No
Phono Input	Yes	Yes
Tape Monitor Loop	Yes	Yes
Tuner	AM/FM stereo with 30 presets	AM/FM stereo with 30 presets
A/B Speaker Switching	Yes	Yes
Subwoofer Output	Yes, two	Yes, two
Subwoofer Trigger	Yes	Yes
Preamp Outputs/ Main Amp Inputs	Yes	Yes
Accessory Outlets	2 Switched	2 Switched
System Remote	Yes	Yes
Separate Remote On/Off Buttons	Yes	Yes
IR-In/Out Jacks	Yes	Yes
Dimensions (H x W x D)	168mm x 441mm x 381mm	168mm x 441mm x 381mm
Weight	10.5kg	9.5kg

Model	HD 990	HD 980
Description	CD player	CD player
Support Data	PCM: 16 to 24 bits, 30 to 96kHz	PCM: 16 to 24 bits, 30 to 96kHz
DAC Technology	Multibit Sigma-Delta modulator with continuous-time differential-current output DACs	Multibit Sigma-Delta modulator
DAC Interface	24-bit/384kHz direct DSP mode	24-bit/176.4kHz
Oversampling	8x	4x
MP3 Playback	Yes	Yes
CD Text	Yes	Yes
Digital Input	1 coaxial,1 optical	No
Balanced XLR Outputs	Yes	No
HRS-Link	Yes	No
Frequency Response (±0.5dB)	20Hz – 20kHz	20Hz – 20kHz
Signal-to-Noise Ratio (A-Weighted)	117dBA	110dBA
Total Harmonic Distortion (A-Weighted)	<0.0009%	<0.0009%
Line-Level Output	2.0V RMS	2.0V RMS
Digital Coaxial Output Level	0.5 V pp/75 ohms	0.5 V pp/75 ohms
Dynamic Range	>116dB	>100dB
Channel Separation	>115dB	>100dB
Power Requirement	AC 220 – 240V/50Hz	AC 220 – 240V/50Hz
Power Consumption (Watts)	10W	10W
Dimensions (H x W x D)	63mm x 440mm x 332mm	63mm x 440mm x 332mm
Weight	3.9kg	3.8kg

Model	HK 990	HK 980
Description	Integrated amplifier	Integrated amplifier
Power (FTC)[1]	2 x 150W @ 8 ohms / 2 x 300W @ 4 ohms	2 x 80W @ 8 ohms / 2 x 100W @ 4 ohms
HCC (Amps)	±200	±80
Ultrawide Bandwidth @ 1W (+0, –3dB)	10Hz – 170kHz	10Hz – 170kHz
Discrete Amplifier Output Devices	Yes	Yes
Signal-to-Noise Ratio IHF-A (–3dB)	109dB	109dB
EzSet® Capability	EzSet/EQ™, 2.2-channel	No
Audio Inputs	8	6
Tape Monitor Loop	Yes	Yes
Phono Input	Yes, MM and MC	Yes, MM
Digital Audio Inputs (coax/optical)	Rear-panel 2/2	No
Processor Input	Yes, 2.2-channel	No
Balanced XLR Inputs	Yes	No
HRS-Link	Yes	No
Digital Audio Output (coax/optical)	Rear-panel 1/0	No
Preamp Outputs	Yes	Yes
Subwoofer Output	Yes, dual	No
Power Requirement	AC 220 – 240V/50Hz	AC 220 – 240V/50Hz
Power Consumption (Watts)	800W max	345W max
IR-In/Out Jacks	Yes	Yes
Dimensions (H x W x D)	165mm x 440mm x 435mm	116mm x 440mm x 392mm
Weight	19.6kg	12.7kg

[1] 20Hz – 20kHz, 8 ohms, 0.07% THD, both channels driven

Model	TU 980	
Description	Dual-band DAB tuner	
DAB Section	Frequency Range	Band III: 174MHz – 240MHz
		Band L: 1452MHz – 1492MHz
	Input Sensitivity	–87dBm
	Output Level	1V (–20dBm)
	Signal-to-Noise Ratio	95dB
	Total Harmonic Distortion	0.005%
	Stereo Separation	88dB
FM Section	Frequency Range	87.5MHz – 108MHz
	Signal-to-Noise Ratio Mono/Stereo	71/65dB
	Distortion Mono/Stereo	0.25/0.4%
AM Section	Frequency Range	522kHz – 1620kHz
	Signal-to-Noise Ratio Mono/Stereo	0.05/0.18%
	Distortion Mono	0.15%
	Power Requirement	AC 220 – 240V/50Hz
	Power Consumption (Watts)	12W max
	Dimensions (H x W x D)	63mm x 440mm x 334mm
	Weight	3.4kg

Model	HKTS 11BQ	HKTS 7BQ	HKTS 2BQ
Description	5.1-channel home-theater speaker system	5.1-channel home-theater speaker system	2.1-channel home-theater and music system
Satellites	Four identical two-way satellites with dual 75mm midranges and a 19mm-dome tweeter, video-shielded	Four identical two-way satellites with a 75mm midrange and a 13mm-dome tweeter, video-shielded	Two identical two-way satellites with dual 75mm midranges and a 19mm-dome tweeter, video-shielded
Center-Channel Speaker	Voice-matched, dual-driver, with two 75mm midranges and a 19mm-dome tweeter	Voice-matched, dual-driver, with two 75mm midranges and a 19mm-dome tweeter	N/A
Subwoofer	200-watt, bass-reflex powered subwoofer with a 250mm driver	100-watt, bass-reflex powered subwoofer with a 250mm driver	200-watt, bass-reflex powered subwoofer with a 250mm driver
Impedance	8 ohms (sats & center)	8 ohms (sats & center)	8 ohms (sats & center)
Sensitivity (SPL @ 1 Watt/Meter)	86dB (sats & center)	86dB (sats & center)	86dB (sats & center)
Frequency Response	System: 25Hz – 20kHz (–6dB)	System: 35Hz – 20kHz (–6dB)	System: 25Hz – 20kHz (–6dB)
Line-Level Inputs	Stereo RCA jacks and dedicated LFE	Stereo RCA jacks and dedicated LFE	Stereo RCA jacks and dedicated LFE
Speaker-Level Inputs & Outputs	Binding posts	Binding posts	Binding posts
Recommended Amplifier Power	10W – 120W	10W – 80W	10W – 120W
Subwoofer-Level Control	Yes	Yes	Yes
Phase Switch	Yes	Yes	Yes
Music Sense Turn-On	Yes	Yes	Yes
Trigger Input Turn-On	Yes	Yes	Yes
Low-Pass Filter Switch	Yes	Yes	Yes
Cables Included	Yes	Yes	Yes
Wall-Mount Capability	Brackets included for four satellites and center	Brackets included for four satellites and center	Brackets included for two satellites
Dimensions (H x W x D)	Sats: 243mm x 100mm x 92mm	Sats: 167mm x 100mm x 92mm	Sats: 243mm x 100mm x 92mm
	Sub: 479mm x 340mm x 340mm	Sub: 479mm x 340mm x 340mm	Sub: 479mm x 340mm x 340mm
	Center: 102mm x 241mm x 92mm	Center: 102mm x 241mm x 92mm	
Weight	Sats: 1kg	Sats: 0.6kg	Sats: 1kg
	Sub: 22kg	Sub: 15kg	Sub: 15kg
	Center: 1kg	Center: 1kg	

Model	HKS 4BQ
Description	Surround loudspeakers
Satellites	Two identical two-way satellites with dual 75mm midranges and a 19mm-dome tweeter, video-shielded
Impedance	8 ohm
Sensitivity (SPL @ 1 Watt/Meter)	86dB
Frequency Response	105Hz – 20kHz (–6dB)
Speaker-Level Inputs & Outputs	Spring lever (inputs only)
Recommended Amplifier Power	10W – 120W
Cables Included	Yes
Wall-Mount Capability	Pair of brackets included
Dimensions (H x W x D)	243mm x 100mm x 92mm
Weight	1kg

Model	HTFS 2BQ[1]
Description	Floor stands
Aluminum-Extrusion Column	Yes
Wire-Management System	Yes
Height, Assembled, Not Including Floor Spikes and Without Speaker	876mm
Base	229mm x 178mm Oval
Weight	7.6kg

[1]Some assembly required.

Model	CA280	CA470	CA5250	CA1500M
Description	2-channel car amplifier	4-channel car amplifier	5-channel car amplifier	Mono subwoofer car amplifier
Channels	2 full range	4 full range	4 + 1 subwoofer	1 subwoofer
Type of Amplification	Class AB	Class AB	Class AB	Class D
Output Power (RMS, 4 Ohms, <1% THD + N)	2 x 110W	4 x 85W	4 x 55W + 200W	360W
Output Power (RMS, 2 Ohms, <1% THD + N)	2 x 160W	4 x 135W	4 x 80W + 320W	600W
Signal-to-Noise Ratio (1W, 4 Ohms)	85dBA	85dBA	85dBA	85dBA
Frequency Response (–3dB)	10Hz – 100kHz	10Hz – 100kHz	10Hz – 100kHz /10Hz – 320Hz	10Hz – 320Hz
Built-In Electronic Crossover (Front/Rear: 12dB/Oct.; Sub: 24dB/Oct.)	LP/HP/Off	Front/Rear LP/HP/Off	Front/Rear LP/HP/Off Sub LP	LP
Variable Subsonic (12dB/Oct.)	Yes	Yes (rear)	Yes, incl. EQ (sub)	Yes, incl. EQ
Phase Shift (Variable 0–180°)	No	No	No	Yes
RJ45 Single-Wire Audio Input/Output	Yes	Yes	Yes (input only)	Yes
Subwoofer-Level Remote Control	No	No	Yes	Yes
Auxiliary Line Level Output	Yes (feed through)	Yes (sum up all ch)	No	Yes (feed through)
Dimensions (L x W x H)	284mm x 234mm x 62mm	404mm x 234mm x 62mm	534mm x 234mm x 62mm	404mm x 234mm x 62mm

Model	GLA-55	
Description	Desktop audio system	
Driver Technology	Atlas™ AL	
System	Power	56 watts per satellite at 1% THD
	Input Impedance	>5k ohms
	Frequency Response (-10dB)	35Hz – 20kHz
	Input Sensitivity	250mV for rated power
	Dimensions (W x H)	140mm x 270mm

Model	SoundSticks® II	
Description	Self-powered satellite speakers and subwoofer system	
System	Frequency Range	44Hz – 20kHz
	Power Consumption	4W idle, 65W maximum
	Input Requirement	3.5mm stereo mini-jack
Subwoofer	Transducer	(1) 152mm woofer
	Amplifier Output Power	20W RMS
	Dimensions	232mm x 258mm
	Weight	2.2kg
Satellite	Transducers	(4) 25mm full range per channel
	Amplifier Output Power	10W RMS per channel
	Dimensions	510mm x 2540mm
	Weight	0.67kg

Model	Drive + Play™ 2	
Description	Apple iPod and USB flash drive interface	
Display	Type	3.5" LCD (full colour)
	Resolution	320 x 240 pixels
	Light Sensor	Yes
	Picture Adjustment	Brightness
	Display Themes	Various colours
Controller	Type	5-Button wireless (2.4GHz)
	Rotation	360° Scroll wheel
Hub	USB 2.0 Accessory Port	Yes
	USB Flash Drive Support	Yes
	Software Upgradeable	Yes
	Detachable Lighter Plug	Yes
iPod Support	Audio/Photo/Video Playback	Yes/No/No
	Album-Art Display	Yes
	Playlists/Audio Books/Podcasts	Yes/Yes/Yes
Audio Output	3.5mm Line Level	Yes
	Wireless FM Transmitter	Yes
	Wired FM Transmitter	Yes
Accessory	Bluetooth® Handsfree Kit	Optional

Model	Harman Kardon Go + Play™ (5V USB charging*)	
Description	Portable loudspeaker dock for iPod	
Available In	Matte black, with stainless-steel details	
Input Requirement	Main connection	iPod docking connector
	Auxiliary connection	3.5mm stereo mini-jack; S-video connection; USB connection for synchronizing iPod with computer
Driver	Two Ridge and two Atlas™ transducers	
Power	2 x 15W for tweeters; 2 x 30W for woofers	
Frequency Response	40Hz – 20kHz	
Dimensions (W x H x D)	500mm x 230mm x 240mm	
Weight	4.6kg	
Input Impedance	>10k ohms	
Signal-to-Noise Ratio	>85dB	

* Charges latest generation of iPod models

Model	HS 350	HS 250	HS 200
Number of Channels	5.1	2.1	2.1
Multichannel Power (W, FTC)	35 x 5	65 x 2	65 x 2
Speaker System	HKTS 11	HKTS 2	HKTS 2
DTS® 5.1/Dolby® Digital/Dolby Pro Logic® II/Logic 7®/Dolby Virtual Speaker	•/•/•/•/–	–/–/–/–/•	–/–/–/–/•
Progressive-Scan DVD Player	•	•	•
Tape-In/Out External Audio Connection	•	•	•
Digital Audio Inputs (Coax/Optical)	1/1	1/1	1/1
USB Input (Side/Rear)	1/1	1/1	1/1
Video Outputs (HDMI™/Component Video/S-Video/Composite Video/SCART)	•/•/•/•/•	•/•/•/•/•	•/•/•/•/•
DMP The Bridge Input	•	•	–
EzSet/EQ™ Capability	•	–	–
Two-Line Dot-Matrix Display	•	•	–
DivX® Video Playback	•	•	•
Audio Formats	DVD-Audio, CD, CD-R/RW, MP3, WMA	DVD-Audio, CD, CD-R/RW, MP3, WMA	CD, CD-R/RW, MP3, WMA
Still-Image Formats	JPEG	JPEG	JPEG
Disc-Recognition Memory for 100 Discs	•	•	•
Upscaling to 720p or 1080i	•	•	•
FM Tuner With 30 Presets	•	•	•
Test Screen	•	•	•
System Remote Control	•	•	•

Model	AVR 760	AVR 660	AVR 460	AVR 360	AVR 260	AVR 160
Number of Channels	7.2	7.1	7.1	7.1	7.1	7.1
Stereo Power (W, FTC)	100 x 2	90 x 2	80 x 2	70 x 2	65 x 2	50 x 2
Multichannel Power (W, FTC)	85 x 7	75 x 7	60 x 7	55 x 7	50 x 7	35 x 7
High-Current Capability (Amps)	±60	±50	±35	±35	±35	±25
Dolby TrueHD/ Dolby Digital Plus/Dolby Digital EX/ Dolby Digital/Dolby Pro Logic® II/Dolby Virtual Speaker/Dolby Volume	•/•/•/•/•/•/•	•/•/•/•/•/•/•	•/•/•/•/•/•/•	•/•/•/•/•/•/•	•/•/•/•/•/•/–	•/•/•/•/•/•/–
DTS-HD Master Audio™/DTS-HD™/DTS® 5.1/DTS-ES® 6.1 Discrete & Matrix/ DTS 96/24™/DTS Neo:6®	•/•/•/•/•/•	•/•/•/•/•/•	•/•/•/•/•/•	•/•/•/•/•/•	•/•/•/•/•/•	•/•/•/•/•/•
Logic 7® Processing	•	•	•	•	•	•
Blu-ray Disc™ Play Ready	•	•	•	•	•	•
Multizone Audio Capability/Multizone Video Capability	•/•	•/–	•/–	•/–	•/–	–/–
A-BUS/READY™/Assignable Rear-Channel Amplifiers	•/•	•/•	•/•	–/•	–/•	–/–
EzSet® Capability	EzSet/EQ™ II	EzSet/EQ™	EzSet/EQ™	EzSet/EQ™	EzSet/EQ™	EzSet/EQ™
Composite Video Inputs	4	4	4	4	4	4
Analog Audio Inputs	6	6	6	6	6	6
Digital Audio Inputs Rear (Coax/Optical)	3/3	3/3	2/2	2/2	2/2	2/2
Digital Audio Inputs Front (Coax/Optical)	1/1	1/1	1/1	1/1	1/1	1/1
Digital Audio Outputs Rear (Coax/Optical)	1/1	1/1	1/1	1/1	1/1	1/0
USB Input/Ethernet Connection	•/•	•/•	–/–	–/–	–/–	–/–
Internet Radio	•	•	–	–	–	–
Playback from Networked Sources	•	•	–	–	–	–
DMP The Bridge II Input/Portable Player Input	•/–	•/–	•/–	•/–	–/•	–/•
Digital Input Polling on All Video Inputs	•	•	•	•	•	•
Direct Audio Inputs/With Bass Management	7.1/•	7.1/–	7.1/–	7.1/–	7.1/–	7.1/–
HDMI™ Inputs/Output	4/1	4/1	4/1	4/1	3/1	3/1
HDMI Type (Audio Processing/Video Processing/Switching)	1.3a (•/•/•)	1.3a (•/•/•)	1.3 (•/•/•)	1.3 (•/•/•)	1.3 (•/•/•)	1.3 (–/–/•)
Preamp Output Channels	7.2	7.1	7.1	–	–	–
Preamp Output Subwoofer	•	•	•	•	•	•
Component Video Inputs (Assignable)	3 @ 100MHz	3 @ 100MHz	2 @ 50MHz	2 @ 50MHz	3 @ 50MHz	2 @ 50MHz
Bass Management With Quadruple Crossover	•	•	•	•	•	•
On-Screen Display/On-Screen Display on HDMI and Component Output	•/•	•/•	•/•	•/•	•/•	•/–
Full-Color, High-Resolution GUI	•	•	•	•	•	–
Input Titling on All Inputs	•	•	•	•	•	•
DSP Processor	2x TI DA 710	2x TI DA 710	Cirrus® CS 49700	Cirrus® CS 49700	Cirrus® CS 49700	Cirrus® CS 49700
Faroudja DCDi Cinema™ Video Processing With Scaling to 1080p	•	•	•	•	•	–
Composite and S-Video to Component Cross-Conversion	•	•	•	•	–	–
A/V Sync Delay per Input	200 mS	180 mS	180 mS	180 mS	180 mS	180 mS
IEC Detachable Power Cord	•	•	•	–	–	–
System Remote Control (Number of Devices)/Learning/Programmable/Backlit	•, 8/•/•/•	•, 8/•/•/•	•, 8/•/•/•	•, 8/•/•/•	•, 7/–/•/–	•, 6/–/•/–
IR In/Out Jacks	•	•	•	•	•	–
IR Carrier Output	•	•	•	•	–	–
Discrete Remote-On/Off Codes	•	•	•	•	•	•
Low-Voltage Trigger Jacks	2	1	–	–	–	–
RS-232 Control	•	•	–	–	–	–
Metal/Color-Coded Speaker Terminals	•/•	•/•	–/•	–/•	–/•	–/•

Model	DVD 49	DVD 39	DVD 29
Video Formats	DVD, DVD-R/RW, DVD+R/RW, VCD, DivX®	DVD, DVD-R/RW, DVD+R/RW, VCD, DivX®	DVD, DVD-R/RW, DVD+R/RW, VCD, DivX®
Audio Formats	DVD-Audio, CD-R/RW, MP3, WMA	DVD-Audio, CD-R/RW, MP3, WMA	CD-R/RW, MP3, WMA
SACD™ CD Playback	•	–	–
HDMI™ Output (1.2a/1.1)	•/–	•/–	–/•
Upscaling to 720p/1080p	•/•	•/•	•/–
Still-Image Formats	JPEG, Kodak® Picture CD	JPEG, Kodak® Picture CD	JPEG, Kodak® Picture CD
Audio DACs	192kHz/24-bit	192kHz/24-bit	192kHz/24-bit
Video DACs	27MHz – 54MHz/10-bit	27MHz – 54MHz/10-bit	27MHz – 54MHz/10-bit
Video Outputs	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p
Video Test Screen	•	•	•
Video Off Mode	•	•	•
Screen Saver	•	•	•
Disc-Recognition System	•	•	•
Digital Audio Outputs (Coaxial/Optical/HMDI)	•/•/•	•/•/•	•/•/•
USB Read Capability	•	–	–
CF/Memory Stick®/SD/MMC Read Capability	•/•/•/•	–/–/–/–	–/–/–/–
Backlit Remote Control	•	•	•
IR-In/Out Jacks	•	•	•

Model	AVR 355	AVR 255	AVR 155
Number of Channels	7.1	7.1	5.1
Stereo Power (W, FTC)	70 x 2	65 x 2	50 x 2
Multichannel Power (W, FTC)	65 x 7	50 x 7	40 x 5
High-Current Capability (Amps)	±35	±35	±25
Dolby TrueHD/ Dolby Digital Plus/Dolby Digital EX/ Dolby Digital/Dolby Pro Logic® II/Dolby Virtual Speaker/Dolby Volume	•/•/•/•/•/•/–	•/•/•/•/•/•/–	–/–/–/•/•/•/–
DTS-HD Master Audio™/DTS-HD™/DTS® 5.1/DTS-ES® 6.1 Discrete & Matrix/ DTS 96/24™/DTS Neo:6®	•/•/•/•/•/•	•/•/•/•/•/•	–/–/•/–/•/•
Logic 7® Processing	•	•	•
Blu-ray Disc™ Play Ready	–	–	•
Multizone Audio Capability/Multizone Video Capability	•/–	•/–	–/–
A-BUS/ready™/Assignable Rear-Channel Amplifiers	•/•	–/•	–/–
EzSet® Capability	EzSet/EQ™	EzSet/EQ™	EzSet/EQ™
S-Video/Composite Video Inputs	4	4	4
Analog Audio Inputs	4	4	4
Digital Audio Inputs Rear (Coax/Optical)	2/2	2/2	2/2
Digital Audio Inputs Front (Coax/Optical)	1/1	1/1	1/1
Digital Audio Outputs Rear (Coax/Optical)	1/1	1/1	1/0
USB Input/Ethernet Connection	–/–	–/–	–/–
Internet Radio	–	–	–
Playback from Networked Sources	–	–	–
DMP The Bridge II Input/Portable Player Input	•/–	–/•	–/•
Digital Input Polling on All Video Inputs	•	•	•
Direct Audio Inputs/With Bass Management	7.1/–	7.1/–	5.1/–
HDMI™ Inputs/Output	3/1	3/1	3/1
HDMI Type (Audio Processing/Video Processing/Switching)	1.3a (•/•/•)	1.3a (•/•/•)	1.3a (–/–/•)
Preamp Output Channels	7.1	7.1	–
Preamp Output Subwoofer	•	•	•
Component Video Inputs (Assignable)	3 @ 100MHz	2 @ 100MHz	2 @ 100MHz
Bass Management With Quadruple Crossover	•	•	Triple
On-Screen Display/On-Screen Display on HDMI and Component Output	•/•	•/•	•/–
Full-Color, High-Resolution GUI	•	•	–
Input Titling on All Inputs	•	•	•
DSP Processor	Cirrus® CS 49700	Cirrus® CS 49700	Cirrus® CS 49510
Faroudja DCDi Cinema™ Video Processing With Scaling to 1080p	•	•	–
Composite and S-Video to Component Cross-Conversion	•	–	–
A/V Sync Delay per Input	180 mS	180 mS	80 mS
IEC Detachable Power Cord	•	–	–
System Remote Control (Number of Devices)/Learning/Programmable/Backlit	•, 8/•/•/•	•, 7/–/•/–	•, 6/–/•/–
IR In/Out Jacks	•	•	–
IR Carrier Output	•	–	–
Discrete Remote-On/Off Codes	•	•	•
Low-Voltage Trigger Jacks	–	–	–
RS-232 Control	–	–	–
Metal/Color-Coded Speaker Terminals	–/•	–/•	–/•

Model	HK 3490	HK 3390
Power (W, FTC)	120 x 2	80 x 2
High-Current Capability (Amps)	±45	±42
Dolby® Virtual Speaker	•	–
Audio Inputs	7	7
Video Inputs (Rear/Front)	4/1	3/1
Video Outputs	2	2
Phono Input	1	1
Digital Audio Inputs (Coax/Optical)	1/1	–/–
DMP The Bridge Input	•	–
AM/FM Tuner With 30 Presets	•	•
A/B Speaker Switching	•	•
Dual Subwoofer Output	•	•
Subwoofer Trigger Outputs	•	•
Preamp Outputs/Main-Amp Inputs	•	•
Switched Accessory Outlets	2	2
System Remote Control	•	•

COMPARISONS

Model	HD 990	HD 980
Support Data	PCM: 16 to 24 bits, 30 to 96kHz	PCM: 16 to 24 bits, 30 to 96kHz
DAC Interface With Direct DSP Mode	24-Bit/384kHz	24-Bit/176.4kHz
Oversampling	8x	4x
MP3 Playback	•	•
CD Text	•	•
Digital Input (Coaxial/Optical)	1/1	–/–
Balanced XLR Outputs	•	–
HRS-Link	•	–
Signal-to-Noise Ratio (A-Weighted)	117dBA	110dBA
Total Harmonic Distortion (A-Weighted)	<0.0009%	<0.0009%
Dynamic Range	>116dB	>100dB
Channel Separation	>115dB	>100dB

Model	HKTS 11BQ	HKTS 7BQ	HKTS 2BQ
Identical Two-Way Satellites	Four	Four	Two
75mm Midrange Drivers (Dual/Single)	•/–	–/•	•/–
Dome Tweeter (19mm/13mm)	•/–	–/•	•/–
Center Channel Speaker	One	One	No
75mm Midrange Drivers (Dual/Single)	•/–	•/–	N/A
Dome Tweeter (19mm/13mm)	•/–	•/–	N/A
Bass-Reflex Subwoofer (FTC)	250mm, 200W	250mm, 100W	250mm, 200W
System Frequency Response	25Hz – 20kHz (–6dB)	35Hz – 20kHz (–6dB)	25Hz – 20kHz (–6dB)
Line-Level Inputs (Stereo RCA/LFE)	•/•	•/•	•/•
Recommended Amplifier Power	10W – 120W	10W – 80W	10W – 120W
Subwoofer-Level Control	•	•	•
Phase Switch	•	•	•
Music Sense Turn-On	•	•	•
Trigger Input Turn-On	•	•	•
Low-Pass Filter Switch	•	•	•
Cables Included	•	•	•
Brackets for Wall-Mounting Included	•	•	•

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