

harman / kardon®



harman / kardon®

250 Crossways Park Drive, Woodbury, NY 11797

516.255.HKHK(4545) FAX 516.682.3520

www.harmankardon.com

Part No. HKLITUSA8/05 Printed in USA

©2005 Harman International Industries, Incorporated. All rights reserved.

 A Harman International® Company

DESIGNED TO ENTERTAIN, PAGE 6
A/V RECEIVERS (40 SERIES), PAGE 10
IPOD DOCKING STATION, PAGE 12
ACTIVITY-BASED REMOTE, PAGE 14
A/V RECEIVERS (35 SERIES), PAGE 16
DIGITAL PATH RECEIVER, PAGE 18
MULTIROOM PRODUCTS, PAGE 20
STEREO RECEIVERS, PAGE 22
DVD & CD PLAYERS, PAGE 26
INTEGRATED HOME THEATER SYSTEM, PAGE 30
HOME THEATER SPEAKER SYSTEMS, PAGE 32
HOME THEATER SYSTEMS, PAGE 36
SPECIFICATIONS, PAGE 38

Harman Kardon believes that high-quality audio/video components must do more than just look and sound good – they must deliver a complete package of performance, design, flexibility and ease of use. For more than 50 years, Harman Kardon products have done just

PERFORMANCE

that by incorporating a broad array of technological and design innovations. So if you're looking for audio/video products that produce pure, realistic sound and video with ever-smarter engineering and ever-simpler design, we invite you to experience the unique combination of artistry and engineering that is Harman Kardon.



DESIGNED to Entertain

The best technologies are the ones that add to the power and performance of a system while making it easier to use.



THE BRIDGE

A single connection from The Bridge™ to a The Bridge-Ready Harman Kardon receiver provides audio playback, complete control and charging of most iPod®1 models. You can select tracks using your AVR's remote and view on-screen navigation menus. What could be easier?

TC 30

Wouldn't it be nice if you could use simple language to tell your remote what equipment it needs to control, have it automatically program the correct codes and then adapt each activity to your personal preferences? Thanks to Harman Kardon technology – programmable via the Internet – that's exactly what the TC 30 can do, with a color LCD screen as an added bonus!

EzSet/EQ

Getting the best sound takes more than just power, it requires tailoring the system parameters to the unique characteristics of the listening room. With the press of a few buttons, our patented EzSet/EQ™, EzSet+™ and EzSet™ systems do that for you automatically, with accuracy previously possible only with expensive professional gear.

A-BUS

Harman Kardon technology unleashes music power so that it can be heard almost anywhere in the house. Thanks to configurable amplifiers, A-BUS/READY® single-wire connectivity and standard Zone II remotes, it's easier than ever to have the sound you want, where you want it.

UPDATES

Sometimes technology changes after you purchase a component. That's why all Harman Kardon DVD players and HS systems, the DPR and select AVR receivers can be easily updated when needed, keeping your system current for years to come.



If A/V receivers are the heart of a home entertainment system, then Harman Kardon AVRs are both heart and mind. They take today's vast array of

AVR A/V Receivers

audio/video formats and sources, and make it easy for you to select a source, tailor it to the requirements of your listening room and then play it back without skipping a beat.



AVR 740

7 x 85W 7.2-Channel A/V Receiver

Digital audio meets digital video. Ready for the future, the AVR 740's DCDi[®] by Faroudja video processing flawlessly upscales all incoming video to 720p or 1080i high definition and outputs it through an HDMI™ jack. On the audio side, direct HDMI connection to compatible DVD-Audio players, USB playback from compatible digital audio sources and XM-Ready^{®2} capability for digital satellite radio greatly expand your digital options. Our advanced EzSet/EQ II system, 7.2-channel capability, TC 30 remote and more make this the most flexible AVR we've ever produced.

AVR 340

7 x 55W 7.1-Channel A/V Receiver

Tune up your room; no tools required. Thanks to EzSet/EQ, the AVR 340 not only establishes all system speaker parameters, it measures how the speakers "sound" in your room and equalizes their output to compensate for any room-based acoustic situation. Add a wide range of convenience features such as video cross conversion, component output for simplified connectivity, A-BUS/READY multiroom capability, and compatibility with The Bridge, and you'll be enjoying movies and music quicker than ever.

AVR 240

7 x 50W 7.1-Channel A/V Receiver

For high quality "by the numbers" the AVR 240 is clearly best in class. Seven channels of high-current amplification, Logic 7[®] processing, 192kHz/24-bit digital converters, two high-bandwidth component video inputs, a two-line front-panel display and more inputs and outputs than you can count. Add the power of EzSet+ to automatically set system speaker levels, and it all adds up to a magnificent total of high-quality audio and video performance.

AVR 140

6 x 40W 6.1-Channel A/V Receiver

Don't let the AVR 140's modest price fool you. Our most affordable A/V receiver is loaded with features. With on-screen menus that include renameable inputs, component video switching, compatibility with The Bridge, and our classic high-current, ultrawide-bandwidth amplifier topology, there is no better way to upgrade an old analog system or add high-quality home theater performance when budget considerations are paramount.

Together for the first time – your iPod and your home entertainment system – thanks to The Bridge. A single connection provides complete navigation and control of an iPod with the

iPOD Docking Station

remote control from a The Bridge-Ready Harman Kardon receiver, and charges the battery at the same time. Of course, you can also hear any track on the iPod through your home entertainment system.



THE BRIDGE

iPod Docking Station

iPod and Harman Kardon: two names synonymous with music playback, ease of control and elegant design. Now, The Bridge literally links the two, allowing you to share the favorite tracks and playlists stored on your iPod with anyone in listening range of a compatible Harman Kardon AVR – even in a connected second room. Dock your iPod in The Bridge, then sit back and operate it with the AVR's remote control while on-screen and front-panel menus guide your track selections. The Bridge also charges the iPod while you use it.

It's time to Take Control™!
The TC 30 extends our
commitment to taking
integrated entertainment
to the next level by
making it easier than
ever to not only program
a remote control for
virtually any combination

Activity-Based REMOTE

of components – from
Harman Kardon and
other brands – but
to link them together
so that even the
most technophobic
among us can operate
the most complex
audio/video system.



TC 30

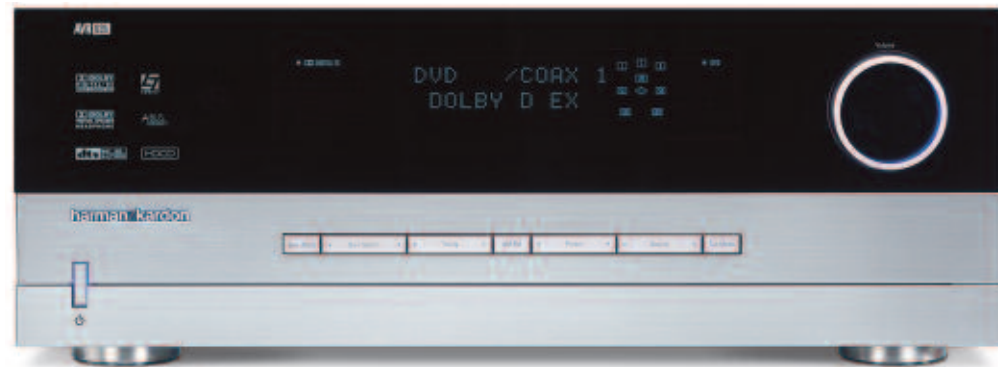
Activity-Based Remote

There's a good reason that the "TC" in "TC 30" stands for "Take Control." This unique product does more than just operate single components; it dramatically changes the way you configure and use a remote control. Setup is done directly with our Web site, where plain language "wizards" recognize the brand and model of all your equipment and automatically send the right codes back to the TC 30. The TC 30 remote groups all the needed commands, including "Watch TV," "Listen to CD," "Watch a DVD" and "Listen to The Bridge," into unified activities. All you need to do is look at the color LCD screen, select the icon that matches the activity, and the TC 30 does the rest. It's easy, it's fun and it makes operating otherwise complex systems a breeze.

As the company that invented the audio receiver, Harman Kardon has always defined a receiver's power by more than just the traditional benchmarks of watts and dBs. Our

AVR A/V Receivers

AVRs express power as a total package of features, functionality, ease of use and elegant industrial design. From that perspective, the AVR 635 and AVR 435 are perfectly powered.



AVR 635

7 x 75W 7.1-Channel A/V Receiver

The AVR 635 combines the sonic power of our high-current, ultrawide-bandwidth amplifier design with advanced audio processing technology from Texas Instruments™ to deliver unparalleled performance. Thanks to Harman Kardon's proprietary EzSet/EQ functionality, the AVR 635 not only automates speaker output and delay settings, it corrects for room acoustics. The AVR 635's video technology is equally impressive, with video conversion so that all input sources may be viewed via component video, and A/V Sync delay that reconnects the timing of sound and image. An RS-232 port makes future software upgrades possible, and enables external control systems.

AVR 435

7 x 65W 7.1-Channel A/V Receiver

Perfect home theater made easy! Thanks to EzSet/EQ, setting up the AVR 435 is quick and painless. Plug in the compact microphone, press a few buttons, and your system is precisely and automatically calibrated with full-room correction. Once you're ready to listen, the latest digital surround modes and our own Logic 7 processing deliver flawless performance. With high-current power to spare, and a host of advanced features such as A-BUS/READY connectivity, the AVR 435 is home theater perfection.

Pure digital, pure performance. Harman Kardon's digital path receiver topology preserves the quality of your program sources by linking them directly to a powerful amplifier without any conversions back and forth between

DPR Digital Path Receiver

analog and digital. Beyond the power and musicality it delivers across the full audio bandwidth, Harman Kardon's DPR is designed to be highly efficient – there's no need to sacrifice performance when space is at a premium.



DPR 2005

7 x 120W 7.1-Channel Digital Path Receiver

Thanks to our digital path receiver technology, the DPR 2005 packs an incredible amount of power into a compact form. It features the latest surround formats from Dolby® and DTS®, including Dolby Pro Logic® IIx, Dolby Virtual Speaker and DTS 96/24, along with our proprietary Logic 7 technology, which gives older stereo and matrix soundtracks a full 7.1-channel presentation. Digital bass management, even for analog inputs from DVD-A and SACD players, combined with our quadruple crossover system, creates a seamless, powerful soundfield, while a wide range of multiroom options, including A-BUS/READY connectivity, assignable rear channels and a separate Zone II remote, let you spread great sound throughout the house.

Why limit your listening to one room? Harman Kardon makes it easy to enjoy your favorites in almost any room in the house. All 7.1-channel Harman Kardon receivers (except the

MULTIROOM Products

AVR 240) include a second-zone control system and remote control, complete with assignable rear-channel amps, making it easy to power a second room without an additional amplifier.



ABH 4

4-Room A-BUS Expansion Hub

With the ABH 4, no room in the house need be without music, no matter which AVR is in use. For existing systems linked to A-BUS/READY products, the ABH 4 allows you to power up to four rooms, or even more with additional ABH 4 hubs. For systems without an A-BUS/READY jack, the ABH 4's onboard audio inputs add the simplicity of A-BUS to any multichannel or stereo receiver with a "Tape" or "Multiroom" output; you can even use it directly with a CD or DVD player or outboard tuner to bring music to any room.

AB 1

Amplified In-Wall Module for A-BUS Applications

The innovative A-BUS system makes it incredibly easy to bring Harman Kardon sound to a remote room. Thanks to a built-in amplifier and a single-cable connection to any A-BUS/READY receiver or the ABH 4, all you need to do is connect the speakers, use your Zone II remote or the up/down volume control, and musical pleasure is yours throughout your home.

HE 1000

External Infrared Remote Sensor

Stay in command. Whether a Harman Kardon product is hidden behind doors, or connected to another room, this external IR sensor allows the use of any compatible remote to operate your Harman Kardon system.

Is a stereo receiver
obsolete in a
predominantly digital,
multichannel world?
Absolutely not!
Harman Kardon's stereo
receivers are the audio

STEREO Receivers

equivalent of an elegant
analog timepiece in a
world filled with digital
chronometers, and they
remain the standard by
which other stereo
receivers are judged.



HK 3480

2 x 120W Stereo Receiver

When two channels are all you need, make it two ultrawide-bandwidth, high-current channels from the company that invented the stereo receiver. The HK 3480 features seven audio inputs, four video inputs (including one on the front panel), 30 AM/FM station presets, VMAx® surround synthesis from stereo sources, a three-step dimmable fluorescent display, a phono preamp, pre-out/main-in jacks, gold-plated phono inputs and a separate subwoofer output. Also included is a multicomponent system remote control.

HK 3380

2 x 80W Stereo Receiver

Perfect for a main music system, the HK 3380 uses the same discrete high-current, ultrawide bandwidth amplifier technology found in our AVR Series receivers. It also has four video inputs, including one on the front panel, a multicomponent system remote control, a 30-preset AM/FM section, a phono preamp, a subwoofer output, a dimmable fluorescent display, pre-out/main-in jacks and even a nine-step, 90-minute sleep timer.



harman/kardon

High performance is the very definition of a Harman Kardon DVD player, and our engineers have designed them to deliver maximum resolution for use with the latest digital

DVD & CD Players

video displays and multichannel sound systems. Our passion for quality ensures that you'll enjoy a level of realism that surpasses anything you've seen or heard before.



DVD 47

DVD Audio/Video Player With SACD™ and HDMI

The DVD 47 is Harman Kardon's most advanced DVD player, delivering performance that satisfies audiophiles and videophiles alike. On the video side, advanced processing upscales the signal to 720p or 1080i via an HDMI output, along with the ability to view both JPEG and Kodak® Picture CD™ images. Critical listeners will revel in the fidelity of both DVD-Audio and SACD, in addition to MP3 and WMA playback of compressed music formats. Sound and image, in any combination, all at the best possible resolution. That's the DVD 47.

DVD 37

DVD Audio/Video Player With SACD

The DVD 37 gives equal time to your eyes and your ears. Your ears will feast on both DVD-Audio and SACD playback, all with internal bass management, while your eyes will relish the stunning progressive-scan imagery. Indeed, the DVD 37 has yet to meet a format it doesn't like, offering playback from both "-R/RW" and "+R/RW" recordable discs as well as MP3, WMA, VCD, JPEG and Kodak Picture CD formats. Add a backlit remote to control it all and you have the perfect combination to treat all the senses.

DVD 27

Progressive-Scan DVD Player

The DVD 27 may be slim in design, but it doesn't scrimp on features. Indeed, this is a compact giant that offers progressive-scan-video perfection with super-fine slow motion, a backlit remote, and image-format playback from JPEGs and Kodak Picture CDs, as well as MP3 and WMA audio files. A built-in test signal for critical setup, and high-end DACs for analog connectivity make the DVD 27 a true "best in class" performer.

FL 8385

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 8385 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 including any artifacts, or you can use the coax digital output to connect the FL 8385 directly to the processor in your AV receiver.



Small system size with big system performance. That's the goal of our new all-in-one home theater system. Because the power and flexibility of an A/V receiver and DVD player are combined in the

INTEGRATED HOME THEATER System

same chassis, space considerations no longer need dictate system performance. With carefully matched, compact speakers and a powerful subwoofer, you have a great home theater system that fits almost anywhere.



HS 100

7 x 35W 5.1-Channel Integrated Home Theater System

The HS 100 is a true feat of system engineering, seamlessly blending the flexibility of an all-in-one receiver/progressive-scan DVD-Audio/Video player with our HKTS 7 speaker system so that home theater power is now available where it could never fit before. The audio and video features and performance that you expect from Harman Kardon are here, including simultaneous playback of JPEG images with MP3 or WMA audio files, a video test screen for full-system calibration, and a wide range of picture and sound playback, programming and control options.

Our HKTS home theater speaker systems make it easy to choose the right speakers to match your home theater components. By providing a complete system, they ensure that frequency response, dispersion and dynamic range are

HOME THEATER Speaker Systems

carefully matched so that all the speakers in a multichannel system blend rather than compete with one another. HKTS systems complement any room décor, and perfectly match Harman Kardon's components and today's flat-screen video displays.



HKTS 14

5.1-Channel Home Theater Speaker System

The HKTS 14 home theater speaker system combines identically voiced two-way satellite and center channel speakers with a magnetically shielded 12-inch, 200-watt subwoofer for high-performance sound that complements the design of Harman Kardon receivers and DVD players, and today's flat-panel video displays. Advanced features include a line-level Sub/LFE input, music-sense on/off and a multicolor LED power indicator. Wall-mount brackets for the satellite are included.

HKS 4

Surround Loudspeakers

Unleash the 7.1-channel capability of your new AVR or DPR by adding these elegant loudspeakers to an HKTS 14 system and experience new dimensions in audio performance.

Big movie sound from a remarkably compact, fully matched system. That's precisely the goal we set for the HKTS 8, and it more than meets the challenge. Conventional

HOME THEATER Speaker Systems

wisdom says that you need large speakers for "large sound," but the HKTS 8 destroys that notion as easily as it reproduces the sound of space rangers destroying alien invaders.



HKTS 8

6.1-Channel Home Theater Speaker System

The HKTS 8 includes five satellite speakers with 3-inch midrange and 1/2-inch high-frequency drivers, and a voice-matched, dual-midrange center channel speaker with a 3/4-inch-dome tweeter. Heart-pounding bass is provided by a 10-inch subwoofer with built-in 100-watt amplifier. Wall-mount brackets for the satellite speakers are included.

HKS 3

Surround Loudspeakers

Expand your HKTS 8 or any 5.1-channel speaker system to the full realism of seamless 7.1-channel surround, without taking up space.

HTFS 2

Floor Stands

These slim-profile, aluminum-extrusion columns are custom designed to match the HKTS 8, HKTS 14, HKS 3 and HKS 4 satellite speakers while accenting any room décor. A self-contained internal wire-management system adds to the system approach by keeping speaker wires out of sight.

Complete systems,
complete performance.
By taking advantage
of our "best in class"
components and
speakers, all operated
with a single remote,
you get the best of

HOME THEATER Systems

both worlds: the ease
of use from having all
the elements in one
package, and the
legendary performance
of Harman Kardon.



CP 35

7.1-Channel Home Theater System With DVD-Audio and EzSet+

Full power, from start to finish! The CP 35 includes a DVD 31 to play back movies, music and the latest DVD-Audio releases, an AVR 335 that simplifies setup, thanks to EzSet+, and a 7.1 speaker system with the HKTS 14 and HKS 4 to fill your home with the movies and music you want to hear. The CP 35 sets a new standard for high-performance home theater systems.

CP 25

7.1-Channel Home Theater System

Our most affordable complete 7.1-channel home theater system ever. The CP 25 combines the AVR 235's high-current amplification with the pixel-by-pixel processing and progressive-scan capability of the DVD 22, and the sonic perfection of the HKTS 7 and HKS 3 speakers.

CP 15

6.1-Channel Home Theater System

Why compromise? The CP 15 delivers the high performance of Harman Kardon components to enthusiasts on a budget. With the combination of the AVR 135, DVD 22 and HKTS 8, you have the power and flexibility you want at a price you can afford.

SPECIFICATIONS

| Model | AVR 740 | AVR 340 | AVR 240 | AVR 140 | AVR 635 | AVR 435 | DPR 2005 |
|---------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------------|
| Description | 7.2-Channel AVR | 7.1-Channel AVR | 7.1-Channel AVR | 6.1-Channel AVR | 7.1-Channel AVR | 7.1-Channel AVR | 7.1-Channel DPR |
| Stereo Power (FTC) | 100 x 2 | 70 x 2 | 65 x 2 | 50 x 2 | 90 x 2 | 80 x 2 | 120 x 2 |
| Multichannel Power (FTC) | 85 x 7 | 55 x 7 | 50 x 7 | 40 x 6 | 75 x 7 | 65 x 7 | 120 x 7 |
| Amplifier Type | High current ±60 amps | High current ±35 amps | High current ±35 amps | High current ±25 amps | High current ±50 amps | High current ±40 amps | Advanced PWM |
| THD @ Impedance | 0.07% @ 8Ω | 0.07% @ 8Ω | 0.07% @ 8Ω | 0.07% @ 8Ω | 0.07% @ 8Ω | 0.07% @ 8Ω | 0.15% @ 8Ω |
| Bandwidth | 20Hz – 20kHz | 20Hz – 20kHz | 20Hz – 20kHz | 20Hz – 20kHz | 20Hz – 20kHz | 20Hz – 20kHz | 20Hz – 20kHz |
| Bandwidth @ 1W (+0dB/–3dB) | 10Hz – 130kHz | 10Hz – 130kHz | 10Hz – 130kHz | 10Hz – 130kHz | 10Hz – 130kHz | 10Hz – 130kHz | 20Hz – 20kHz |
| Signal-to-Noise Ratio (HF-A) | 100dB | 100dB | 100dB | 100dB | 100dB | 100dB | 97dB |
| Power Supply | Independent front & rear | Independent front & rear | Independent front & rear | Independent front & rear | Independent front & rear | Independent front & rear | Switch mode |
| Dolby® Digital | Dolby® Digital EX | Dolby® Digital EX | 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 | Pro Logic® IIx | Pro Logic® IIx |
| Dolby® Virtual Speaker | Yes | Yes | Yes | No | Yes | Yes | Yes |
| DTS® 5.1 | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| DTS-ES® 6.1 Discrete & Matrix | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| DTS 96/24® | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| DTS Neo:6® | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Logic 7 | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| VMAx | No | Yes | Yes | Yes | No | No | Yes |
| Headphone Modes | 2-Channel, Dolby® HP | 2-Channel, Dolby® HP | 2-Channel, Dolby® HP | 2-Channel | 2-Channel, Dolby® HP | 2-Channel, Dolby® HP | 2-Channel, Dolby® HP |
| XM-Ready | Yes | No | No | No | No | No | No |
| Multizone Capability | Audio/video with remote | Audio, with remote | No | No | Audio, with remote | Audio, with remote | Audio, with remote |
| Assignable Rear-Channel Amplifiers | Yes | Yes | No | No | Yes | Yes | Yes |
| A-BUS/ <i>READY</i> ® | Yes | Yes | No | No | Yes | Yes | Yes |
| EzSet Capability | EzSet/EQ II | EzSet/EQ | EzSet+ | No | EzSet/EQ | EzSet/EQ | EzSet |

| Model | The Bridge |
|------------------------|--|
| Description | iPod® ¹ Docking Station |
| iPod® Requirements | Third-generation and above iPod® with docking connector (not compatible with iPod shuffle™) |
| Receiver Requirements | Harman Kardon AVR with DMP/The Bridge docking connector |
| Dimensions (H x W x D) | 1-3/16" x 4-1/2" x 4-1/2" |
| Weight | 5.9 Ounces |

| Model | TC 30 |
|--|---|
| Description | Activity-Based Remote |
| LCD Screen | 64K color LCD |
| Maximum Devices | 15 |
| Maximum Activities | 255 |
| Memory | 2MB |
| Computer Requirements | PC with Microsoft® Windows® 98SE/ME/2000/XP or Mac OS® X, CD-ROM drive, USB port (dial-up or broadband Internet access required for programming) |
| Includes | TC 30, installation disc, USB cable, lithium-ion rechargeable battery, charging cradle, AC adaptor, power supply |
| Remote Dimensions (H x W x D) | 8-7/8" x 2-1/8" x 1" |
| Charging Cradle Dimensions (H x W x D) | 8-13/16" x 2-3/8" x 11/16" |
| Remote Weight | 6 Ounces |
| Charging Cradle Weight | 5 Ounces |

| Model (continued) | AVR 740 | AVR 340 | AVR 240 | AVR 140 | AVR 635 | AVR 435 | DPR 2005 |
|---|--|--|-----------------------------------|-----------------------------------|---|---|---|
| A/V Inputs | 5 | 5 | 5 | 4 | 5 | 5 | 5 |
| S-Video Inputs | 5 | 5 | 5 | 4 | 5 | 5 | 5 |
| Analog Audio Inputs | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| 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 3/3 Front panel 1/1 | Rear panel 3/3 Front panel 1/1 | Rear panel 2/2 Front panel 1/1 |
| Digital Audio Outputs (Coax/Optical) | Rear panel 1/1 Front panel 1/0 | Rear panel 1/1 | Rear panel 1/1 | Rear panel 1/1 | Rear panel 1/1 Front panel 1/0 | Rear panel 1/1 | Rear panel 1/1 Front panel 1/0 |
| Digital Input Polling | All video inputs | All video inputs | 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 | 7.1 | 7.1 With bass management |
| HDMI™ Inputs | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| HDMI™ Output | 1 With processing | 0 | 0 | 0 | 0 | 0 | 0 |
| Preamp Outputs | 7.2 Channels | 7.1 Channels | 7.1 Channels | Subwoofer | 7.1 Channels | 7.1 Channels | 7.1 Channels |
| Component Video Inputs (Assignable) | 3 @ 100MHz | 2 @ 50MHz | 2 @ 50MHz | 2 @ 50MHz | 2 @ 50MHz | 2 @ 50MHz | 2 @ 50MHz |
| Bass Management | Quad crossover | Quad crossover | Quad crossover | Quad crossover | Quad crossover | Quad crossover | Quad crossover |
| On-Screen Display | Yes, including component | Yes | Yes | Yes | Yes, including component | Yes | Yes |
| Input Titling | All inputs | All inputs | All inputs | All inputs | A/V inputs | A/V inputs | A/V inputs |
| DSP Processor | TI DA 610 | Cirrus® CS 49400 | Cirrus® CS 49400 | Cirrus® CS 49400 | TI DA 610 | TI DA 610 | Cirrus® CS 49400 |
| Output DACs | 192kHz/24-bit | 192kHz/24-bit | 192kHz/24-bit | 192kHz/24-bit | 192kHz/24-bit | 192kHz/24-bit | 192kHz/24-bit |
| Video Processing/ Conversion | DCD® by Faroudja scaling and processing | Composite/S to component cross conversion | No | No | Composite/S to component cross conversion | No | No |
| A/V Sync Delay | 200 mS | 80 mS | 80 mS | No | 80 mS | 80 mS | 80 mS |
| IEC Detachable Power Cord | Yes | No | No | No | Yes | Yes | Yes |
| System Remote | TC 30 activity-based, color LCD, Internet programmability | 9-Device programmable | 9-Device programmable | 7-Device programmable | 8-Device learning & programmable with backlit, two-line LCD | 8-Device learning & programmable with backlit, two-line LCD | 8-Device learning & programmable with backlit, two-line LCD |
| IR In/Out Jacks | Yes | Yes | Yes | No | Yes | Yes | Yes |
| IR Carrier Output | Yes | Yes | No | No | Yes | Yes | No |
| Discrete Remote On/Off Codes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Low-Voltage Trigger Jacks | 2 | No | No | No | No | No | No |
| External Data Port | USB and RS-232 | No | No | No | Bi-directional RS-232 | Bi-directional RS-232 | Bi-directional RS-232 |
| Speaker Terminals | Color-coded binding posts | Color-coded binding posts | 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) | 6-1/2" x 17-5/16" x 17-1/8" | 6-13/16" x 17-5/16" x 15" | 6-13/16" x 17-5/16" x 15" | 6-13/16" x 17-5/16" x 15" | 6-1/2" x 17-5/16" x 17-1/8" | 6-1/2" x 17-5/16" x 17-1/8" | 4-1/2" x 17-5/16" x 18-3/4" |
| Weight | 48 lb | 31.7 lb | 30.7 lb | 24.5 lb | 41 lb | 39 lb | 23 lb |

| Model | ABH 4 |
|------------------------|---|
| Description | 4-Room A-BUS® Expansion Hub |
| System Requirements | AB 1 or other compatible A-BUS® modules. Harman Kardon A-BUS/ <i>READY</i> ® receiver or any source device with standard analog L/R outputs. |
| Dimensions (H x W x D) | ABH 4: 3-5/16" x 7-3/16" x 1-3/16" Power Supply: 1-7/16" x 5-15/16" x 2-13/16" |
| Weight | ABH 4: 0.9 lb Power Supply: 1 lb |

| Model | AB 1 |
|------------------------|---|
| Description | A-BUS/ <i>READY</i> ® In-Wall Module With Built-In Amplifier |
| System Requirements | Any Harman Kardon A-BUS/ <i>READY</i> ® receiver, or any receiver or source product connected to an ABH 4. 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) | 4-1/4" x 1-3/4" x 2-1/4" |
| Weight | 0.25 lb |

| 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 |
| Unit Dimensions (H x W x D) | 1" x 3-5/16" x 2-5/16" |
| Unit Weight | 5.7 Ounces |

| Model | HK 3480 | HK 3380 |
|-----------------------------------|------------------------------|------------------------------|
| Description | Stereo Receiver | Stereo Receiver |
| Power (FTC) | 120 x 2 | 80 x 2 |
| THD | <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 |
| VMAx | Yes | No |
| Audio Inputs | 7 | 7 |
| Video Inputs | 4 (1 on front panel) | 4 (1 on front panel) |
| Video Outputs | 1 | 1 |
| Phono Input | Yes | Yes |
| Tape Monitor Loop | Yes | Yes |
| Tuner | FM stereo/AM with 30 presets | FM stereo/AM with 30 presets |
| A/B Speaker Switching | Yes | Yes |
| Subwoofer Output | 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 |
| Dimensions (H x W x D) | 6-5/8" x 17-3/8" x 15" | 6-5/8" x 17-3/8" x 15" |
| Weight | 23 lb | 20.9 lb |

| | DVD 47 | DVD 37 | DVD 27 |
|----------------------------|---|---|---|
| Description | DVD Audio/Video Player With SACD™ and HDMI | DVD Audio/Video Player With SACD™ | 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* | DVD-Audio, SACD™ CD, CD-R/RW, MP3, WMA* | CD, CD-R/RW, MP3, WMA* |
| HDMI™ Output | Yes, HDMI™ 1.1 | No | No |
| 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, 720P, 1080i | 480i, 480P | 480i, 480P |
| 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*: 16 kbps – 192 kbps | MP3: 32 kbps – 320 kbps WMA*: 16 kbps – 192 kbps | MP3: 32 kbps – 320 kbps WMA*: 16 kbps – 192 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*: 10 discs | DVD-Video: 100 discs MP3/WMA*: 10 discs | DVD-Video: 100 discs MP3/WMA*: 10 discs |
| Still-Image Rotation | 90-Degree increments | 90-Degree increments | 90-Degree increments |
| Slow Play | 1/2x, 1/4x, 1/6x, 1/7x | 1/2x, 1/4x, 1/6x, 1/7x | 1/2x, 1/4x, 1/6x, 1/7x |
| Fast Play | 2x, 4x, 8x, 20x | 2x, 4x, 8x, 20x | 2x, 4x, 8x, 20x |
| Random Play | CDs only | CDs only | CDs only |
| Repeat Play | Disc, track, A/B¹ | Disc, track, A/B¹ | Disc, track, A/B¹ |
| Programmed Play | CDs only | CDs only | CDs only |
| Digital Audio Outputs | Coax, optical, HDMI 1.1 | Coax, optical | Coax, optical |
| Remote | Backlit | Backlit | Backlit |
| IR In/Out Jacks | Yes | Yes | Yes |
| Dimensions (H x W x D) | 1-5/8" x 17-15/16" x 10-7/8" | 1-5/8" x 17-15/16" x 10-7/8" | 1-5/8" x 17-15/16" x 10-7/8" |
| Weight | 5.9 lb | 5.9 lb | 5.9 lb |

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

† A/B Repeat Play is available for CDs only.

Harman Kardon, Logic 7 and VMAx (an implementation of Cooper Bauck Transaural Stereo under patent license) are trademarks of Harman International Industries, Incorporated, registered in the United States and/or other countries.

|||||EzSet® (patent no. 5,386,478), |||||EzSet+, |||||EzSet/EQ, *Bridge and Take Control are trademarks of Harman International Industries, Incorporated.

A-BUS and A-BUS/READY are registered trademarks of LeisureTech Electronics Pty Ltd. Australia.

Apple, iPod and Mac OS are registered trademarks, and Shuffle is a trademark, of Apple Computer, Inc.

Burr-Brown, Texas Instruments and TI are trademarks of Texas Instruments Incorporated.

Cirrus is a trademark of Cirrus Logic, Inc.

Decora is a registered trademark of Leviton Manufacturing Company, Inc.

Dolby, Pro Logic and the double-D symbol are registered trademarks of Dolby Laboratories.

DTS, DTS Surround, DTS-ES, DTS 96/24 and DTS Neo:6 are registered trademarks of DTS, Inc.

Faroudja and DCDi by Faroudja are trademarks of Genesis Microchip Inc.

HDCD and High Definition Compatible Digital are registered trademarks of Microsoft Corporation (patent no. 5,479,168).

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Kodak is a registered trademark, and Picture CD is a trademark, of Eastman Kodak Company.

Microsoft, Windows Media and Windows are registered trademarks of Microsoft Corporation in the United States and/or other countries.

SACD (Super Audio CD) is a trademark of Sony Electronics Inc.

XM-Ready is a registered trademark of XM Satellite Radio Inc.

| Model | FL 8385 |
|-----------------------------------|-----------------------------|
| Description | 5-Disc CD Changer |
| Plays CD-R | Yes |
| Plays CD-RW | Yes |
| HDCD® | Yes |
| Audio Output DACs | 18-Bit Burr-Brown™ |
| Programmed Play | 20 Tracks |
| Repeat Play | 1 Track, 1 CD, all CDs |
| Digital Output | Coax |
| Headphone Jack With Level Control | Yes |
| Remote | Yes |
| Separate Remote On/Off Buttons | Yes |
| IR In/Out Jacks | Yes |
| Dimensions (H x W x D) | 5-1/8" x 17-5/16" x 15-1/4" |
| Weight | 18 lb |

| Model | HS 100 |
|-------------------------------------|--|
| Description | 5.1-Channel Integrated Home Theater System |
| Multichannel Power | 35 x 5 |
| Speaker System | HKTS 7** |
| DVD Player | Progressive scan |
| External Audio Connection | Tape In/Out, TV In |
| Digital Audio Inputs (Coax/Optical) | 1/1 |
| Video Outputs | Composite, S, component |
| Video Formats | DVD, DVD-R/RW, DVD+R/RW, VCD, SVCD |
| Audio Formats | DVD-Audio, CD, CD-R/RW, MP3, WMA* |
| Still-Image Formats | JPEG |
| Test Screen | Yes |
| Fast Play | 2x, 4x, 16x, 100x |
| Slow Play | 1/2x, 1/4x, 1/8x, 1/16x |
| Random Play | Yes, within CD |
| Repeat Play | 1 Track, 1 disc, A/B |
| Remote | System remote |
| Dimensions (H x W x D) | 2-11/16" x 17-15/16" x 2-3/16" |
| Weight | 10.6 lb |

| Model | HKTS 14 | HKTS 8 | HKS 4 | HKS 3 |
|----------------------------------|---|---|---|---|
| Satellites | 4 Identical 2-way satellites with dual 3" midranges and 3/4" dome tweeter, video-shielded | 5 Identical 2-way satellites with 3" midrange and 1/2" dome tweeter, video-shielded | 2 Identical 2-way satellites with dual 3" midranges and 3/4" dome tweeter, video-shielded | 2 Identical 2-way satellites with 3" midrange and 1/2" dome tweeter, video-shielded |
| Center Channel Speaker | Voice-matched, dual-driver with two 3" midranges and 3/4" dome tweeter | Voice-matched, dual-driver with two 3" midranges and 3/4" dome tweeter | N/A | N/A |
| Subwoofer | 200-Watt, bass-reflex powered subwoofer with 12" driver | 100-Watt, bass-reflex powered subwoofer with 10" driver | N/A | N/A |
| Impedance | 8 Ohms (sats & center) | 8 Ohms (sats & center) | 8 Ohms | 8 Ohms |
| Sensitivity (SPL @ 1 Watt/Meter) | 86dB (sats & center) | 86dB (sats & center) | 86dB | 86dB |
| Frequency Response | System: 25Hz – 20kHz (–6dB) | System: 35Hz – 20kHz (–6dB) | 105Hz – 20kHz (–6dB) | 110Hz – 20kHz (–6dB) |
| Line-Level Inputs | Stereo RCA jacks and dedicated LFE | Stereo RCA jacks and dedicated LFE | N/A | N/A |
| Speaker-Level Inputs & Outputs | Binding posts | Binding posts | Spring lever (inputs only) | Spring lever (inputs only) |
| Recommended Amplifier Power | 10W – 120W | 10W – 80W | 10W – 120W | 10W – 80W |
| Subwoofer Level Control | Yes | Yes | N/A | N/A |
| Phase Switch | Yes | Yes | N/A | N/A |
| Music Sense Turn-On | Yes | Yes | N/A | N/A |
| Low-Pass Filter Switch | Yes | Yes | N/A | N/A |
| Cables Included | Yes | Yes | Yes | Yes |
| Wall-Mount Capability | Brackets included for 4 satellites | Brackets included for 5 satellites | Pair of brackets included | Pair of brackets included |
| Dimensions (H x W x D) | Sats: 9-9/16" x 3-15/16" x 3-5/8" Center: 4" x 9-1/2" x 3-5/8" Sub: 20-1/2" x 14-1/2" x 14-1/2" | Sats: 6-9/16" x 3-15/16" x 3-5/8" Center: 4" x 9-1/2" x 3-5/8" Sub: 18-7/8" x 13-3/8" x 13-3/8" | 9-9/16" x 3-15/16" x 3-5/8" | 6-9/16" x 3-15/16" x 3-5/8" |
| Weight | Sats: 2.2 lb Center: 2.2 lb Sub: 48 lb | Sats: 1.4 lb Center: 2.2 lb Sub: 33 lb | 2.2 lb | 1.4 lb |

| Model | HTFS 2¹ |
|---|--------------|
| Aluminum-Extrusion Column | Yes |
| Wire-Management System | Yes |
| Height, Assembled, Not Including Floor Spikes and Without Speaker | 34-1/2" |
| Base | 9" x 7" Oval |
| Weight | 16.7 lb |

† Some assembly required

| Model | CP 35 | CP 25 | CP 15 |
|------------------------|--|--|--|
| Channel Configuration | 7.1-Channel system | 7.1-Channel system | 6.1-Channel system |
| Audio/Video Receiver | AVR 335** | AVR 235** | AVR 135** |
| DVD Player | DVD 31** | DVD 22** | DVD 22** |
| Loudspeaker Complement | HKTS 14** plus one pair HKS 4** | HKTS 7** (same component specs as HKTS 8** with one satellite fewer) plus one pair HKS 3** | HKTS 8** |
| Accessories Included | RCP 2 universal remote control with EzSet, color Quick-Start Guide, color-coded cable labels, all necessary cables | RCP 2 universal remote control with EzSet, color Quick-Start Guide, color-coded cable labels, all necessary cables | RCP 2 universal remote control with EzSet, color Quick-Start Guide, color-coded cable labels, all necessary cables |

** See www.harmankardon.com for product specifications.

¹: Compatible with third-generation or higher iPod with docking connector; includes all Click Wheel models, iPod photo (audio playback only) and iPod mini (iPod not included).

²: Optional XM antenna module and subscription to XM service required. Hardware and service sold separately. XM service is not available in Alaska, Hawaii or Canada.

All features and specifications are subject to change without notice.

NOTE: Depth measurements include knobs, buttons and terminal connections; height measurements include feet and chassis.



Activities
Devices
Help

Thurs 2:30 PM
Choose an Activity:

| | |
|-------------|----------------------|
| Watch a DVD | Listen to FM Radio |
| Watch TV | Listen to XM Radio |
| Play VCR | Listen to The Bridge |
| Play Game | Play PVR |

harman international