

Audio/Video Entertainment Center Components from JBL and Harman/Kardon™



HKAVR-350



HKAVR-350



HKABH-000



HKRMS-000



HKABV-000



HKDVD-000

MATCHED AUDIO/VIDEO ELECTRONIC COMPONENTS TO COMPLETE ANY ENTERTAINMENT SYSTEM

There's no better way to assure the highest performance and value from a state-of-the-art Leviton Architectural Edition™ powered by JBL multi-room music and home theater residential installation than to power it with a matched Harman/Kardon Entertainment Center. For over 50 years, Harman/Kardon has remained one of the most preferred component providers among discerning audio enthusiasts and music lovers. The Harman/Kardon components available through the Leviton Architectural Edition powered by JBL program represent a summary of today's most advanced audio/video technologies – and are fully compatible with the formats and platforms of the future.

Leviton's exclusive Harman/Kardon audio/video receiver (AVR) is equipped with a full complement of surround-sound technologies, advanced signal processing capabilities to custom-tailor a speaker system to the listening room, Simplay-HD™ verified HDMI™ video technology capable of passing 1080p high-definition signals, and Faroudja DCDi Cinema® video processing for upscaling video sources to 720p. The A-BUS® Ready™ AVR is equally at home running a whole-house distributed audio system with its advanced multi-room features. Most important, the new AVR is built around the brand's classic high-current, ultra wide bandwidth audio amplifier design to deliver the maximum sonic clarity and impact necessary to do justice to the most demanding music, soundtracks, and high-end loudspeakers available.

The DVD player is a progressive-scan design that uses advanced pixel decoding technology to produce a noticeably sharper video image. It features HDMI output and upscaling to 1080i to handle high-definition television (HDTV) signals. It also has DCDi (Directional Correlation Deinterlacing) processing by Faroudja, which improves presentation quality on a variety of video signals.

For easy system integration and control, the easy-to-install Infrared Remote Sensor is a convenient way to provide remote operation of an entertainment center's components at the touch of the receiver's remote control. With the Remote Sensor, components inside a dedicated entertainment center can be fully accessed—even behind closed doors.

As an expansion feature, Harman/Kardon offers an A-Bus option with amplified volume controls for individual control of different rooms and music zones. The matching 4-zone A-Bus hub quickly and easily connects to the dedicated multi-room (MR) output on the audio/video receivers. Up to four A-Bus amplified volume controls can be connected to the hub to form a complete four room/zone indoor music system playing a second dedicated multi-room sound source (such as FM, CD or MP3) from the audio/video receiver. In fact, the Harman/Kardon audio/video receiver can play three systems simultaneously covering up to six rooms five-channel surround-sound home theater in the living room, a second multi-room sound source through an A-Bus system in up to four additional rooms (and more can be added with additional hub) and that same second multi-room sound source out on a patio or deck using the receiver's spare amplifier channels six and seven in multi-room mode.

Leviton Mfg. Co., Inc.

59-25 Little Neck Pkwy, Little Neck, NY 11362-2591 Tech Line: 1-800-824-3005 Fax: 1-800-832-9538 www.leviton.com
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7 X 55W SEVEN-CHANNEL AUDIO/VIDEO**RECEIVER — HKAVR-350**

The AVR-350 represents Harman/Kardon's most forward expression of high-end audio technology and styling since the company invented the audio receiver concept over fifty years ago. Its unique new design houses essentially three advanced system components on a single chassis: an advanced surround-sound processing center, a comprehensive audio and video control center, and a massive high-current, ultra-wide bandwidth power amplifier stringently rated to the most conservative "audiophile" specifications instead of the more inflated numbers frequently used on consumer A/V gear.

The powerful and flexible AVR-350 is an eminently capable foundation for the most advanced system integration project. In the all-critical area of audio performance, the receiver's hallmark Harman/Kardon High-Current/ultrawide-bandwidth amplifier design is fully optimized through, advanced technologies including EzSet/EQ™ automatic room equalization, which enables any system to sound its absolute best in a wide variety of listening environments. For optimum video performance the AVR-350 has advanced Faroudja DCDi Cinema video processing for total high-definition compatibility. The ability to upconvert video sources makes this AVR compatible with a wide range of legacy video components. Audio source and distribution features include A-Bus® Ready™ design, inputs for an optional Harman/Kardon Bridge iPod® station and XM-radio tuner, multi-room operation capability, and a Zone II multi-room remote control—a comprehensive list that makes the AVR-350 the ideal "front end" for a comprehensive whole-house multi-room music system. An RS-232 serial port enables the AVR to receive future upgrades.

FEATURES**Audio**

- High Current amplification/Ultra-Wide Bandwidth design with low negative feedback.
- All-discrete amplifier circuitry and dual independent power supplies (for front and surround channels).
- EzSet/EQ™ automatic room/system correction equalization (calibrated microphone included).
- Surround Modes: Dolby® Digital EX, Dolby Pro Logic® II & IIx (Movie, Music and Gaming), Dolby Virtual Speaker Version 2, Dolby Headphone Version 2, DTS® (5.1; DTS Stereo; DTS-ES® 6.1 Discrete and Matrix), DTS 96/24™ (DTS Stereo), DTS Neo: 6® (Cinema 3-, 5- or 6-channel; Music 5- or 6-channel), Hall 1 & 2 (5- or 6-channel), Theater (5- or 6-channel), 5- or 7-channel stereo, Surround OFF (DSP or Analog Bypass).
- Harman exclusive Logic 7® Movie, Music and Gaming surround-sound processing in 5.1 and 7.1 channel operation
- 24 bit, twin-core Cirrus Logic® CS 49510 DSP processor with 32-bit post processor.
- 192kHz/24-bit D/A conversion.

Video

- Simplay HD™-verified HDMI™ 1 and 2 with audio/video processing, 1080p pass-through and repeater for increased cable lengths without signal degradation.
- Faroudja DCDi (Directional Correlation Deinterlacing) Edge video processing technology transcodes composite and S-Video signals to component video and transcodes 480i video to HDMI format (with upscaling up to 720p).
- Upgraded graphic text-based on-screen display.
- Cinema® video (Directional Correlation Deinterlacing) processing technology with HD upscaling up to 1080p.
- Converts composite and S-video sources to component video to support legacy video equipment.

Source and Control

- A-BUS® Ready™ for multi-room capability.
- iPod® Bridge™ compatible with the ability to distribute iPod-based video.
- XM radio ready®
- Switchable RS-232 port with OPERATE/DOWNLOAD mode for future firmware upgrades using a PC.

Other

- Eleven-device programmable backlit system remote control.
- Zone II remote control.
- Input Titling (change the display name for any source).

SPECIFICATIONS

Rated output power:	55 Watts x 7 (measured at 20Hz – 20kHz, @ <0.07% THD, all channels driven into 8 ohms)
Stereo mode power, per channel:	70 Watts x 2 (140 Watts total)
Multichannel/surround mode power, per channel:	55 Watts x 7 with all channels operating at full-rated power (385 Watts output total)
Total Harmonic Distortion (THD):	0.07% @ 8 Ohms
Signal-to-noise ratio (IHF-A):	100dB
Current capability (HCC):	+/- 35 Amps ultra-wide bandwidth (10Hz-100kHz) amplifier design

Physical Dimensions and Weight:

Height:	6.5 in/165 mm
Width:	17.3 in/440 mm
Depth:	15 in/382 mm
Weight:	35.6 lb/16.2 kg

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HIGH-PERFORMANCE DVD PLAYER WITH HDMI OUTPUT AND 1080i UPSCALING — HKDVD-038

Advanced video performance requires a maximum resolution source, because the best TV screen—regardless of its technology—is only as good as the input it receives. The Harman/Kardon progressive-scan DVD Player, with HDMI connection for HDTV signals and Faroudja video processing for excellent performance on any video signal ensures that any television component will look its best on a wide range of video sources. With MP3 and Windows Media Audio/WMA capability, the DVD player also functions as a superb music library player when used with MP3/WMA CDs and DVDs for hours of uninterrupted music.

FEATURES

- HDMI output with DCDi by Faroudja video processing and upscaling to 1080i.
- Pixel-by-pixel digital video processing for exceptional image quality.
- DVD-Audio playback with complete bass management and audio control, including speaker size, time delay and output level.
- Playback of numerous disc formats, including DVD-Video, DVD-Audio, CD, MP3 and Windows Media® Audio (WMA) discs, Kodak® Picture CD and JPEG image discs, and more.
- NTSC/PAL disc-auto-detection feature with PAL-to-NTSC conversion for compatible playback with NTSC video display devices.
- Full-featured backlit remote control with intuitive on-screen navigation and a wide range of programming, viewing and convenience functions.

SPECIFICATIONS

Physical Dimensions and Weight:

Height: 2 in/50 mm
 Width: 17.3 in/440 mm
 Depth: 11.25 in/285 mm
 Weight: 6 lbs/2.7 kg

AMPLIFIED IN-WALL A-BUS® VOLUME CONTROL — HKABV-000

For use with the HKAVR A/V Receiver and the HKABH A-Bus hub. The A-Bus system topology enables an Audio/Video Receiver also to operate a complete multi-room amplified system from a single location. The A-Bus volume controls incorporate a compact, high-quality audio amplifier to play a pre-assigned audio source (coming from the receiver's multi-room output jacks and distributed through the hub) in a room when connected to in-wall or ceiling speakers in that room, and to distribute a second assigned audio source to up to four rooms/zones equipped with A-Bus volume controls.

FEATURES

- Decora® up/down amplified rocker-style volume control powers dedicated speakers in a single room/zone.
- Built-in IR sensor accepts control commands to A/V receiver or other compatible components.
- Fits in standard J-box or low-voltage mounting ring.
- Output level trim pots.
- Uses Category 5/5e UTP cabling to connect back to the hub.

A-BUS® HUB 4-ZONE SYSTEM EXPANSION — HKABH-000

For use with the HKAVR A/V Receiver to distribute a second assigned audio source to up to four rooms/zones equipped with A-Bus volume controls. The A-Bus system topology enables an Audio/Video Receiver also to operate a complete multi-room amplified system from a single location. The hub connects to the Harman/Kardon AVR's multi-room output jacks to receive the assigned audio source and distributes that signal to the A-Bus volume controls located in different rooms. The hub supplies power to the entire A-Bus system as well as manages IR remote-control signal routing.

FEATURES

- Distributes A-BUS audio signal and power to up to four rooms/zones with HKABV Volume Controls and connected speakers.
- Distributes and manages IR signal commands to make it possible to remotely-control the receiver and connected components from different rooms using the Zone II or other compatible remote.
- Easily connects to the multi-room RCA outputs on the rear of the HKAVR A/V Receiver.

INFRARED REMOTE SENSOR—HKRMS-000

This IR remote sensor is conveniently small (about the size of a deck of cards) and can be placed on top of the TV or entertainment center to control audio and video components with a compatible receiver's remote control. The IR Sensor can connect all Harman/Kardon products together so that one IR Sensor can operate them all.

FEATURES

- Attractive case for shelf-top locations.
- Red talkback LED tests system for correct wiring as well as indicating infrared reception.
- Nominal reception angle: 45 degrees off axis.
- Attached 7' cable and 3.5 mm stereo mini plug permits direct plug-in to Connecting Block that has an "IR RCVR" or "AUX" jack.
- Connecting Block connects two emitter ports and power supply to IR Receivers that use a stereo mini plug.
- For multi-room application, place the IR Remote Sensor in a remote room and use a 1/8-inch cable of up to 100 feet in length to connect the IR Remote Sensor connecting block to the multi-room IR input on the receiver.

SPECIFICATIONS

IR modulation frequency bandwidth:	30- 100 kHz
Nominal reception range:	> 30 feet
Power:	12 volts DC @ 10 milliamps. 781RG Power Supply required (supplied)
Maximum cable length:	One mile with 18 gauge
Maximum current output:	100 milliamps
Connecting block:	3.5 mm stereo mini jack for quick-connect IR receivers; two 3.5 mm mono mini jacks with 470-Ohm resistors drive 2 single or 2 dual emitters; and 2.1 mm coaxial power jack

Physical Dimensions and Weight:

Height:	1 in/26 mm
Width:	3.25 in/83 mm
Depth:	2 in/51 mm
Weight:	5.4 oz/0.153 kg

ORDERING INFORMATION

CAT. NO.	DESCRIPTION
HKAVR-350	7 x 55W 7.1-Channel high-current A-BUS® Ready™ A/V Surround-Sound Receiver with Simplay HD™-verified HDMI™ and Faroudja DCDi video processing technology
HKDVD-000	High-Performance Single-Disc DVD Player with HDMI output
HKRMS-000	IR Remote Sensor
HKABV-000	Amplified In-Wall A-BUS® Volume Control
HKABH-000	A-BUS® Hub 4-Zone for Multi-Room System Expansion

NOTE: Features and specifications subject to change.

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Leviton Manufacturing Co., Inc.

59-25 Little Neck Pkwy, Little Neck, NY 11362-2591 • Tech Line: 1-800-824-3005 • Fax: 1-800-832-9538 • www.leviton.com

Leviton Manufacturing of Canada, Ltd.

165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9 • Telephone: 1-800-469-7890 • FAX: 1-800-563-1853

Leviton S. de R.L. de C.V.

Lago Tana 43, Mexico DF, Mexico CP 11290 • Tel. (+52) 55-5082-1040 • FAX: (+52) 5386-1797 • www.leviton.com.mx

Visit our Website at: www.leviton.com

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