harman/kardon®
Designed to Entertain™

AVR 460

7.1-Channel A/V receiver with HDMI™ repeater, audio/video processing and upscaling to 1080p

Specifications



The Harman Kardon® AVR 460

features a high-definition user interface for seamless access to, and control of, all audio/video content. Built-in Dolby® Volume maintains a constant volume level, regardless of changes when you switch channels or sources. The system achieves multizone audio with a Zone II remote control and A-BUS® multiroom connectivity, while EzSet/EQ™ technology ensures simple system setup.

Highlights

Dolby TrueHD decoding
Logic 7® (5.1 and 7.1) processing
Dolby Volume technology
DTS-HD Master Audio™ decoding
HDMI™ repeater with 1080p upscaling
Faroudja DCDi Cinema™ video processing
EzSet/EQ equalization
Ready for iPod and iPhone
HDTV-ready
Component-video inputs
Compressed music tools
Quadruple-crossover bass manager
Multiroom audio
High-current capability
192kHz/24-bit DACs

Key Specifications

- Audio section – continuous average power (FTC), (stereo mode): 75 watts per channel into 8 ohms @ 20Hz – 20kHz, <0.07% THD, both channels driven; (seven-channel surround-sound mode): 140 watts per channel into 6 ohms @ 1kHz, <0.1% THD, one channel driven; 60 watts per channel into 8 ohms @ 20Hz – 20kHz, <0.07% THD, all channels driven; high instantaneous current capability (HCC): ±35 amps
- Tuner – usable sensitivity: IHF 1.3µV/13.2dBf; THD at 1kHz with 100% modulation, (mono): 0.2%; (stereo): 0.3%; FM adjacent-channel selectivity: ±400kHz, 70dB; ultimate (maximum) S/N ratio (measured at 1mV RF input level), (mono): 70dB; (stereo): 68dB
- Dimensions (H x W x D) and weight: 165mm x 440mm x 382mm, 13.5kg

Depth measurement includes knobs, buttons and terminal connections, unless stated otherwise; height measurement includes feet and chassis, unless stated otherwise.

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Features

Power

- 140W x 7 into 6 ohms, 1kHz, at <0.1% THD, one channel driven
- 60W x 7 into 8 ohms, 20Hz – 20kHz, at <0.07% THD, with all channels driven simultaneously
- High-current (±35 amps), ultrawide-bandwidth (10Hz – 100kHz) amplifier design

Surround-Sound Processing

- Full suite of Dolby surround-sound decoding, including Dolby TrueHD and Dolby Digital Plus using an advanced Cirrus Logic® CS 49700 32-bit DSP processor
- Dolby Volume technology
- Full suite of DTS® modes, including DTS-HD™, DTS-HD Master Audio, DTS-ES® 6.1 Discrete & Matrix, DTS Neo:6® and DTS 96/24™
- Dolby Pro Logic® IIx (Movie, Music and Game modes) surround sound
- Harman-exclusive Logic 7 Movie, Music and Game surround-sound processing in 5.1 and 7.1 channels
- Headphone and Virtual Speaker surround-sound modes
- Five- and seven-channel Stereo, Hall and Theater surround-sound modes
- 192kHz/24-bit DACs
- Compressed music tools improve playback quality of any compressed audio stream

Connectivity

- Four HDMI inputs and one HDMI output with 12-bit Deep Color and xvYCC pass-through
- Three assignable, wide-bandwidth (50MHz), HDTV-ready component-video inputs and one output
- Connects to the Harman Kardon® The Bridge III docking station for playback, control and charging of iPod and iPhone devices
- Subwoofer output for direct connection to a powered subwoofer
- Four A/V inputs, plus two audio-only inputs
- Eight-channel direct inputs for use with external surround-sound decoders
- 7.1 preamp outputs allow the use of external amplifiers
- Convenient front-panel audio/video input for use with video games or portable players
- Seven digital inputs (two optical and three coaxial on rear panel, and one optical and one coaxial on front panel)
- One coaxial digital output on rear panel
- USB port for firmware upgrades
- IR remote extension jacks for control of the amplifier when placed in a cabinet
- Zone II and A-BUS multiroom audio outputs

Ease of Use

- HDMI with audio processing and Faroudja DCDi Cinema video processing with upscaling to 1080p
- Adjustable A/V sync delay
- EzSet/EQ equalization for quick and accurate system setup
- FM stereo/AM tuner with 30 presets and direct-access tuning
- Quadruple-crossover bass manager
- Wide range of low-frequency crossover points (40Hz, 60Hz, 80Hz, 100Hz, 120Hz and 200Hz) available
- Full-color, high-definition, graphical on-screen interface, including HDMI and component video
- Programmable power-up volume
- A-BUS/READY™ multiroom audio with Zone II remote control
- Surround-sound back amplifier channels configurable for use as second-zone amplification
- Detachable IEC power cord
- Eight-device, backlit, preprogrammed and learning-system remote control

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Features, specifications and appearance are subject to change without notice.
Part No. AVR460/23004/09
EAN Code: 0282925081412