harman/kardon®
Designed to Entertain™

AVR 760

7 x 85W 7.2-channel A/V receiver with HDMI™ 1.3a repeater, audio/video processing and upscaling to 1080p

Specifications



Harman Kardon® AVR 760

Harman Kardon is one of the audio industry's most powerful and most capable companies, and the AVR 760 is the most powerful and most capable A/V receiver it makes. 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 digital signal processors deliver other essential Dolby and DTS® technologies, including Dolby TrueHD and DTS-HD™. We've also included the latest versions of our exclusive Logic 7® audio processing and Faroudja DCDi Cinema™ video processing 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 via a direct USB connection or from thumb drives; or your iPod using our 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 85 watts of power to drive each of seven channels, dual subwoofer outputs and the EzSet/EQ™ II system to tune performance parameters to the precise acoustic requirements of your space, the AVR 760 is the ideal receiver to satisfy a houseful of entertainment needs.

Key Specifications

- Audio section – continuous average power (FTC), (stereo mode): 100 watts per channel into 8 ohms @ 20Hz – 20kHz, <0.07% THD, both channels driven; (seven-channel surround mode): 110 watts per channel into 6 ohms @ 1kHz, <1% THD, one channel driven; 85 watts per channel into 8 ohms @ 20Hz – 20kHz, <0.07% THD, all channels driven; high instantaneous-current capability (HCC): ±60 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 420mm, 23.6kg

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

Highlights

Dolby TrueHD processing
Logic 7 (5.1 and 7.1) processing
Dolby Volume technology
DTS-HD Master Audio™ processing
HDMI repeater with 1080p upscaling
Faroudja DCDi Cinema video processing
EzSet/EQ II equalization
iPod-ready
HDTV-ready
Component-video inputs
Quadruple-crossover bass manager
RS-232 control connection
Multiroom audio and video
High current capability
192kHz/24-bit DACs
USB input
Internet radio

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Features

Power

- 85W x 7 into 8 ohms, 20Hz – 20kHz, at <0.07% THD, with all channels driven simultaneously
- High-current (±60 amps), ultrawide-bandwidth (10Hz – 100kHz) amplifier design

Surround-Sound Processing

- Full suite of Dolby surround decoding, including Dolby Digital Plus and Dolby TrueHD using two advanced TI™ DA 710 32-bit digital signal processors (DSPs)
- Full suite of DTS modes, including DTS-HD, DTS-HD Master Audio, DTS-ES® 6.1 Discrete and Matrix, DTS Neo:6 and DTS 96/24
- Dolby Volume technology
- Dolby Pro Logic® IIx (Movie, Music and Game modes) surround sound
- Harman-exclusive Logic 7 Cinema and Music surround-sound processing in 5.1 and 7.1 channels
- Dolby Headphone and Dolby 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 or Internet radio transmission

Connectivity

- Four HDMI 1.3a inputs and one HDMI output with 12-bit Deep Color and xvYCC pass-through
- Three assignable, wide-bandwidth (100MHz), HDTV-ready component-video inputs and one output
- Connects to the Harman Kardon-engineered The Bridge II docking station for iPod and iPhone playback, control and charging
- Two subwoofer outputs for direct connection to powered subwoofers
- Three A/V inputs with S-Video, plus three audio-only inputs
- Eight-channel-direct inputs for use with external surround-sound decoders
- 7.1 preamp outputs for external amplifiers
- Convenient front-panel audio/video input with S-Video for use with video games or portable players
- Eight digital inputs (three optical and three coaxial on rear panel, and one optical and one coaxial on front panel)
- Two digital outputs (one optical and one coaxial) on rear panel
- RS-232 port for system control
- Firmware upgrades via USB
- One USB input for playback of audio and JPEG image files from external memory devices
- Ethernet network connection for Internet radio

Ease of Use

- HDMI 1.3a with audio processing and Faroudja DCDi Cinema video processing with upscaling to 1080p
- A/V Sync Delay, adjustable for each input
- EzSet/EQ II equalization for quick and accurate system setup
- Internet radio and FM stereo/FM/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
- Multiroom audio and video with Zone II remote control and Zone II OSD (on-screen display), A-BUS/READY
- 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.

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