

# / AVR 760

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



Home Solutions

## 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

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 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 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 a true 85 watts of power to drive each of seven channels, dual subwoofer outputs and the EzSet/EQ II system to precisely tune the system's performance parameters to the 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): 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.

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Designed to Entertain.™

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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 Processing

- Full suite of Dolby surround decoding, including Dolby Digital Plus and Dolby TrueHD using two advanced TI™ DA 710 32-bit DSP processors
- 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 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 modes
- Five- and seven-channel Stereo, Hall and Theater surround modes
- 192kHz/24-Bit DACs
- Compressed Music Tools improve playback quality of any compressed audio stream or Internet radio

### 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 decoders
- 7.1 Preamp outputs allow the use of 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, A-BUS® Ready
- Surround 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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