

# / AVR 1600

7.1-Channel A/V receiver with HDMI™ repeater



## Highlights

- Dolby® TrueHD decoding
- Logic 7® (5.1 and 7.1) processing
- DTS-HD Master Audio™ decoding
- HDMI™ repeater
- EzSet/EQ™ equalization
- HDTV-ready
- Component video inputs
- Quadruple-crossover bass manager
- High-current capability
- 192kHz/24-Bit DACs

The Harman Kardon® AVR 1600 is the perfect addition for budget-conscious home theater enthusiasts looking for access to the latest audio features and the flexibility of separate components. The receiver allows non-audiophile consumers to add high-quality audio to new high-definition video sources such as Blu-ray Disc™ technology.

## Key Specifications

- Audio Section – Continuous Average Power (FTC), (stereo mode): 50 watts per channel into 8 ohms @ 20Hz – 20kHz, <0.07% THD, both channels driven; (seven-channel surround mode); High Instantaneous Current Capability (HCC): ±35 amps
- Dimensions (H x W x D) and weight: 6 1/2" x 17 5/16" x 15", 27.7 lb

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

- 50W x 7 into 8 ohms, 20Hz – 20kHz, at <0.07% THD, with all channels driven simultaneously
- High-current ( $\pm 35$  amps), ultrawide-bandwidth (10Hz – 100kHz) amplifier design

### Surround Processing

- Full suite of Dolby surround decoding, including Dolby TrueHD and Dolby Digital Plus using an advanced Cirrus Logic® CS 49700 32-bit DSP processor
- 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 modes
- Five- and seven-channel Stereo, Hall and Theater surround modes
- 192kHz/24-Bit DACs

### Connectivity

- Three HDMI inputs and one HDMI output with 12-bit Deep Color and xvYCC pass-through
- Two assignable, wide-bandwidth (50MHz), HDTV-ready component video inputs and one output
- 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 decoders
- Convenient front-panel audio/video input for use with video games or portable players
- Six digital inputs (two optical and two 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
- Auxiliary input for connecting portable media players

### Ease of Use

- HDMI with audio processing and 1080p loop-through
- 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
- On-screen interface in all video formats
- Programmable power-up volume
- Seven-device, preprogrammed system remote control

## H Harman International

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Features, specifications and appearance are subject to change without notice.

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