

AVR 2650

harman/kardon®
by HARMAN

7.1-channel, 95-watt audio/video receiver with HDMI® v.1.4a with 3-D, Deep Color and Audio Return Channel

Specifications



■ Harman Kardon AVR 2650

If you're looking for an AVR packed with next-generation technology, look no further than the Harman Kardon AVR 2650. The AVR 2650 has an impressive list of features that take home entertainment to the next level. With HDMI® v.1.4a with 3-D, Deep Color and Audio Return Channel, and all the latest Dolby® and DTS® audio modes, the AVR 2650 lets you experience a new dimension in TV viewing – all while our own Logic 7® processing creates an exhilarating 360-degree soundstage via 7.1-channel surround sound and has network connectivity for Internet radio and music file streaming from a home network. And this AVR does far more than just movies and soundtracks – it can even be set to power a Zone 2 speaker system for multiroom audio. With five HDMI inputs, extensive video and audio connectivity, and its ability to connect with The Bridge IIIIP for iPod/iPhone playback, the AVR 2650 solidifies itself as a versatile receiver that can accommodate your every entertainment whim with grace, style and ease.

■ Highlights

- HDMI® v.1.4 with 3-D, Deep Color and Audio Return Channel
- Powers an entire 7.1-channel surround-sound system
- 95 watts of power per channel
- Network connectivity to access a world of music and entertainment via the Web or from your home network
- Dolby Volume
- Dolby TrueHD and DTS-HD Master Audio™ decoding
- Logic 7® processing
- The Bridge IIIIP connectivity
- Internet radio and home network connectivity for audio-file streaming
- EzSet/EQ™ processing
- Multizone functionality
- Surround-sound decoding
- Five HDMI inputs
- Extensive audio connectivity
- Color-coded binding-post speaker connectors
- Multidevice, programmable remote
- FM stereo/FM/AM tuner
- SIRIUS Satellite Radio®-ready

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■ Key Features

Power/Technology

- Powers a 7.1-channel surround-sound system
- 95 watts of power per channel
- High-current-capability (HCC), ultrawide-bandwidth amplifier design for accurate, dynamic sound and emotion
- HDMI v.1.4a with 3-D for playing 3-D content from compatible sources such as movies, TV and sporting events
- HDMI Audio Return Channel and Deep Color
- Dolby Volume maintains the same volume level, regardless of changes to the channel or program
- Dolby TrueHD and DTS-HD Master Audio decoding for high-resolution sound that matches high-resolution video
- Logic 7 processing turns conventional stereo sources into incredible 7.1-channel surround-sound
- FM stereo/FM/AM tuner with 30 station presets
- Internet radio and DLNA[®]-compatible connectivity
- EzSet/EQ automatically adjusts individual speaker volume levels, delay and equalization
- Multizone functionality allows you to power Zone 2 speakers so you can feed audio into multiple rooms of the house – without having to buy a separate amplifier
- Dolby Pro Logic IIz lets you add front height channels for 3-D sound
- Surround-sound decoding for all popular Dolby Digital and DTS audio formats
- Lip-sync adjustment delays the audio signal to match the video signal

Connectivity

- Network connectivity allows for streaming media files from your home network and Internet radio stations from your computer via a broadband connection
- Assignable SBL and SBR amplifier channels for flexibility during configuration
- Works with The Bridge IIIP (optional) to play entertainment from your iPod or iPhone device on your home entertainment system
- Five HDMI outputs provide extensive video connectivity
- Two component and two composite video inputs
- Four digital audio inputs and three analog audio inputs
- Zone 2 line output expands your system into an additional room
- Subwoofer pre-out allows for connection to a powered subwoofer
- Color-coded binding-post speaker connectors for secure connections and compatibility with other components
- Headphone jack with HARMAN headphone surround mode for stereo headphones
- Subwoofer trigger output for compatible subwoofer
- Upgradeable firmware via USB port
- Detachable IEC power cord
- SIRIUS Satellite Radio-ready

Ease of Use

- Graphical user interface (GUI) for easy system setup
- Multidevice, programmable remote controls your entire audio/video system
- Two-line dot-matrix information display lets you adjust the unit without turning on the TV; great when listening to music
- Control4[®] certified technology allows the receiver to be used with a centralized home integration and control system

■ Key Specifications

Audio Section

- Stereo mode, continuous average power: 95 watts/channel, 20Hz – 20kHz, <0.07% THD, both channels driven @ 8 ohms
- Multichannel power: 95 watts/channel, 20Hz – 20kHz, <0.07% THD, two channels driven @ 8 ohms
- Bandwidth @ 1W (+0dB/-3dB): 10Hz – 130kHz
- Input sensitivity/impedance (line-in): 200mV/47k ohms
- Signal-to-noise ratio (IHF-A): 100dB
- Adjacent channel separation – Dolby Pro Logic I/II: 40dB, Dolby Digital: 55dB, DTS: 55dB
- High instantaneous-current capability (HCC): ±45 amps
- Transient intermodulation distortion (TIM): unmeasurable

FM Tuner Section

- Frequency range: 87.5MHz – 108.0MHz
- Usable sensitivity (IHF): 1.3µV/13.2dBf
- Signal-to-noise ratio (mono/stereo): 70dB/68dB
- Distortion (mono/stereo): 0.2%/0.3%
- Stereo separation: 40dB @ 1kHz
- Selectivity (±400kHz): 70dB
- Image rejection: 80dB
- IF rejection: 90dB

AM Tuner Section

- Frequency range: 520kHz – 1720kHz
- Signal-to-noise ratio: 45dB
- Usable sensitivity (loop): 500µV
- Distortion (1kHz): 50%, mod 0.8%
- Selectivity (±10kHz): 30dB

Video Section

- Television format: NTSC
- Input level/impedance: 1Vp-p/75 ohms
- Output level/impedance: 1Vp-p/75 ohms
- Video frequency response (composite video): 10Hz – 8MHz (-3dB)
- HDMI v.1.4 with 3-D, Audio Return Channel and Deep Color

General

- Power requirement: AC 120V/60Hz
- Power consumption: 120W idle; 1405W maximum (seven channels driven)
- Dimensions: 17-5/16" x 6-1/2" x 17-1/16" (440mm x 165mm x 435mm)
- Weight: 44 lb (20kg)

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