

AVR 3650

harman/kardon®
by HARMAN

7.1-channel, 110-watt audio/video receiver with HDMI® v.1.4a for 3-D, Deep Color and Audio Return Channel

Specifications



■ Harman Kardon AVR 3650

If you're looking for an AVR packed with next-generation technology, look no further than the Harman Kardon AVR 3650. The AVR 3650 has an impressive list of features that take home entertainment to the next level. With HDMI® v.1.4a with 3-D and all the latest Dolby® and DTS® audio modes, the AVR 3650 lets you experience a new dimension in TV viewing (when combined with a 3-D TV) – while also giving you the benefit of the Harman Kardon brand's own Logic 7® processing, which helps create a 360-degree soundstage through 7.1 channels of surround sound and has network connectivity for Internet radio and music file streaming from a home network. And just know: This AVR does far more than just movies and soundtracks. Revel in the fact that you can now play music in any room of the house using the receiver's multizone audio functionality. And with six HDMI inputs (including one on the front panel), extensive video and audio connectivity, and the ability to connect with The Bridge IIIIP for iPod/iPhone playback, the AVR 3650 solidifies itself as a versatile receiver that accommodates every entertainment whim with grace, style and ease.

■ Highlights

- HDMI v.1.4a with 3-D, Deep Color and Audio Return Channel
- Powers an entire 7.1-channel surround-sound system
- 110 watts of power per channel
- Network connectivity to access a world of music and entertainment via the Web
- 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™ technology
- Music playback from USB
- Multizone functionality
- Surround-sound decoding
- Six HDMI inputs
- Extensive audio connectivity
- Color-coded binding-post speaker connectors
- Multi-device 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
- 110 watts of power per channel
- High instantaneous-current capability (HCC), ultrawide-bandwidth amplifier design for accurate, dynamic sound and emotion
- HDMI v.1.4a with 3-D for playing 3-D TV or 3-D movies
- HDMI Audio Return Channel and Deep Color
- Dolby Volume maintains the same volume level – no matter what program or channel you're watching
- 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/AM radio with 30 station presets
- Internet radio and home network connectivity for audio-file streaming
- EzSet/EQ capability automatically adjusts individual speaker volume levels, delay and equalization
- Multizone functionality allows you to play music in other zones using the dedicated Zone 2 IR remote control
- Dolby Pro Logic® IIz surround-sound decoding for a more in-depth surround-sound experience
- Decoding for all varieties of Dolby Digital and DTS soundtracks
- Lip-sync adjustment delays the audio signal to match the video signal
- Screen-saver function prevents image burn-in on CRT and plasma displays

Connectivity

- Network connectivity allows for streaming media files from your home network and Internet radio stations via a broadband connection
- Assignable SBL and SBR amplifier channels for flexibility during configuration
- Works with The Bridge IIP (optional) to play entertainment from your iPod or iPhone device
- Six HDMI inputs for extensive video connectivity
- Two component and two composite video inputs
- Four digital audio inputs and three analog audio inputs
- Front-panel USB port plays music from memory sticks
- 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
- Headphone jack with HARMAN Headphone surround mode for stereo headphones
- Remote (IR) in/out connections
- Upgradeable firmware via USB port
- Detachable IEC power cord
- SIRIUS Satellite Radio-ready capability

Ease of Use

- Graphical user interface (GUI) for easy system set up
- Multi-device programmable remote to control your entire audio/video system
- Two-line dot-matrix information display lets you adjust the unit without turning on the TV – and is 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: 110 watts/channel, 20Hz – 20kHz, <0.07% THD, both channels driven @ 8 ohms
- Multichannel power: 110 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): immeasurable
- Slew rate: 40V/μsec

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: 522kHz – 1710kHz
- 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.1.4a 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 (H x W x D): 440mm x 165mm x 435mm (17-5/16" x 6-1/2" x 17-1/8")
- Weight: 19.95 kg (44 lb)

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