



## Harman Kardon® AVR 1610S

Introducing the Harman Kardon® AVR 1610S, a powerful and versatile 5.1-channel audio/video receiver designed for those home entertainment enthusiasts who demand great sound and a variety of connectivity options. Equipped with five HDMI® 2.0 inputs, integrated Bluetooth® technology and an MHL input, this high-performance AVR has everything you need and more.

Because you have multiple ways to store and access your entertainment, it's important that your audio/video receiver can deliver them. The Harman Kardon AVR 1610S features five 3D-ready HDMI inputs (including one that's MHL-compatible), HARMAN TrueStream Bluetooth technology, EzSet/EQ™ III calibration and compatibility with vTuner™ Internet radio. With the built-in Spotify Connect feature, you can stream music directly from your Spotify premium account on your phone, tablet or computer. So whether you're connected via cable or streaming wirelessly, you'll experience high-fidelity audio from this 425-watt, 5.1-channel, networked audio/video receiver. It's even lightweight, thanks to HARMAN GreenEdge™ certification; you'll get all the power you love, in an environmentally friendly form.

## Highlights

- ▶ Five 85-watt-per-channel amplifiers with high-performance digital power supply
- ▶ Bluetooth technology and Spotify Connect
- ▶ HARMAN TrueStream technology
- ▶ Built-in vTuner (Internet radio) streaming
- ▶ Five 3D-ready HDMI 2.0 inputs including one with MHL
- ▶ Front-panel USB port for connection to compatible Apple products or USB sticks
- ▶ MHL connectivity
- ▶ Dolby® TrueHD and DTS-HD® Master Audio decoding
- ▶ EzSet/EQ III auto-calibration
- ▶ HARMAN GreenEdge technology
- ▶ Compact design
- ▶ Colour-coded connectors and binding-post speaker terminals
- ▶ Multidevice, programmable remote control



**Five 85-watt-per-channel amplifiers with high-performance digital power supply**

The AVR 1610S high-performance audio/video receiver pumps out 85 watts per channel to power a full five-channel, networked surround-sound system. It can also connect to a powered subwoofer to provide enhanced low-frequency performance for all your entertainment. While the amplifiers retain the time-tested Harman Kardon® high-current capacity (HCC) ultrawide-bandwidth design to ensure the most accurate, dynamic sound with enhanced clarity and realism – even at the highest listening levels, a digitally based power supply gives the amplifiers all the wattage they need without the weight of traditional power-supply designs and their heavy transformers. The net result is a great-sounding AVR in a small form that is friendly to the environment.

**Bluetooth technology**

The AVR 1610S can stream audio from virtually any portable device. You can connect an Apple device, such as an iPad, iPhone or iPod touch, directly to the front-panel USB jack and playback without the need for an external adapter. For other tablets, smartphones and laptops, you can take advantage of the AVR 1610S's integrated HARMAN TrueStream Bluetooth technology.

**HARMAN TrueStream technology**

The HARMAN TrueStream guarantee ensures the best possible listening experience when you stream audio wirelessly via Bluetooth technology. HARMAN TrueStream tech delivers the most current, most advanced wireless option to ensure the highest-quality sound, no matter what application or source device you use.

**More ways to connect**

The AVR 1610S features vTuner Internet radio to connect you to a whole world of online audio entertainment. As soon as it's out of the box, you can stream over-the-air radio stations from around the globe as well as stream from a wide range of Internet-only radio stations. The AVR 1610S also features Spotify Connect, which allows you to stream music directly from your Spotify premium account on your phone, tablet or computer.

**Five 3D-ready HDMI inputs including one with MHL**

Five HDMI 2.0 inputs with 3D and 30/36-bit Deep Color deliver high-definition digital video at resolutions up to 1080p with full-fidelity audio through a single cable. There is no loss of video or audio quality because of format conversion, just full-impact Hollywood excitement as its creators meant you to experience it.

**Front-panel USB port for connection to compatible Apple products or USB sticks**

The AVR 1610S gives you multiple options for audio playback with its front-panel USB port. Simply connect an iPhone, iPad, iPod or USB stick to play your stored tracks through your home entertainment system.

**MHL connectivity**

Whether it's captured by your camera, phone or tablet, or streamed from a Roku Streaming Stick dongle, you can deliver high-definition audio/video content directly to your HDTV via the AVR 1610S's MHL connection.

**Dolby TrueHD and DTS-HD Master Audio decoding**

The AVR 1610S delivers high-resolution audio that matches the digital video quality of Blu-ray Disc™ formats, unlocking the full potential of movie soundtracks formatted with Dolby TrueHD and DTS-HD Master Audio decoding. No matter what mode or mood you are in, you'll always hear audio playback at its finest.

**EzSet/EQ III auto-calibration**

The new HARMAN EzSet/EQ III auto-calibration process precisely adjusts the AVR 1610S's volume levels, speaker distance/delay time settings and equalisation to optimise audio performance automatically for your specific speaker system and room conditions. The system features an easy-to-follow menu display and includes a plug-in calibration microphone.

**HARMAN GreenEdge technology**

The HARMAN GreenEdge logo assures you that the AVR 1610S design is environmentally friendly without compromising the premium performance for which HARMAN products are known. Thanks to an advanced power supply, the AVR 1610S can deliver high-quality audio in a small, light chassis that uses less metal and plastic.

**Compact design**

The AVR 1610S takes the award-winning Harman Kardon look to a new level with a flush volume control and more compact design. Because of the lighter weight made possible by an advanced digital power supply, the unit weighs less without sacrificing performance so that it is the perfect match for the thin glass shelves of today's open TV/entertainment furniture.

**Colour-coded connectors and binding-post speaker terminals**

All connections on the AVR 1610S are colour-coded to simplify hook-up and reduce errors. Colour-coded binding post speaker terminals on all output channels accept pin connectors or bare wire to provide secure links for your speaker cables.

**Multidevice, programmable remote control**

The AVR 1610S simplifies your life with a programmable infrared (IR) remote control. It works seamlessly with the receiver's multilingual on-screen display, guiding you through system setup and operation with consummate ease. The multidevice remote can also control your TV, cable boxes, satellite tuners and other playback sources. For further installation flexibility, there is a 12-volt trigger output and a remote IR sensor input.

### What's in the box

- 1 Harman Kardon® AVR 1610S A/V receiver
- 1 programmable remote control
- 1 EzSet/EQ III microphone with 6.7m (22') cable
- 1 AM loop antenna with 0.6m (2') cable
- 1 FM antenna with 1.8m (6') cable
- 2 AAA batteries
- 1 1.8m (6') AC power cord
- Quick-start guide
- Warranty card
- Safety sheet

### Harman Kardon AVR 1610S Audio Section

- Stereo power: 85W per channel, two channels driven @ 6/8 ohms, 20Hz – 20kHz, <0.1% THD
- Multichannel power: 85W per channel, two channels driven @ 6/8 ohms, 20Hz – 20kHz, <0.1% THD
- Input sensitivity/impedance: 250mV/27k ohms
- Signal-to-noise ratio (IHF-A): 100dB
- Surround-system adjacent channel separation:
  - Dolby Pro Logic®/DPLII: 40dB
  - Dolby Digital: 55dB
  - DTS®: 55dB
- Frequency response (@ 1W): 10Hz – 130kHz (+0dB/-3dB)
- High instantaneous current capability (HCC): ±29 amps
- Transient intermodulation distortion (TIM): Unmeasurable
- Slew rate: 40V/sec

### 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: 80dB

### AM Tuner Section

- Frequency range: 522kHz – 1,620kHz
- Signal-to-noise ratio: 38dB
- Usable sensitivity (loop): 425µV
- Distortion (1kHz, 50% mod): 1.0%
- Selectivity (±10kHz): 30dB

### Video Section

- Television format: PAL
- Input level/impedance: 1Vp-p/75 ohms
- Output level/impedance: 1Vp-p/75 ohms
- Video frequency response (composite video): 10Hz – 8MHz (-3dB)
- HDMI 2.0: Supports up to 4K x 2K

### General Specifications

- Power requirement: 120V AC / 60Hz
- Power consumption: <0.5W (standby); 450W maximum
- Dimensions (H x W x D): 121mm x 440mm x 300mm (4-3/4" x 17-5/16" x 11-13/16")
- Weight: 4.6kg (10 lb)



HARMAN International Industries, Incorporated  
8500 Balboa Boulevard, Northridge, CA 91329 USA

© 2015 HARMAN International Industries, Incorporated. All rights reserved. Harman Kardon is a trademark of HARMAN International Industries, Incorporated, registered in the United States and/or other countries. EzSet/EQ, GreenEdge and the "beautiful/sound" logo are trademarks of HARMAN International Industries, Incorporated. Apple, AirPlay, iPad, iPhone, iPod, iPod touch and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries. iPod, iPhone and iPad not included. The Bluetooth® word mark and logo are registered trademarks and are owned by the Bluetooth SIG, Inc., and any use of such marks by HARMAN International Industries, Incorporated, is under license. Blu-ray, Blu-ray Disc and their respective logos are trademarks of the Blu-ray Disc Association. Dolby, the double-D symbol and Pro Logic are registered trademarks of Dolby Laboratories. DTS and the DTS logo are registered trademarks of DTS, Inc. DTS-HD Master Audio is a trademark of DTS, Inc. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. iOS is a registered trademark of Cisco Systems, Inc., and/or its affiliates in the United States and certain other countries. Roku, the Roku logo and the Roku Ready logo are registered trademarks of Roku Inc. in the United States and other countries. Roku Ready and Roku Streaming Stick are trademarks of Roku Inc. in the United States and other countries. vTuner is a trademark of Nothing Else Matters Software Ltd., Inc. Features, specifications and appearance are subject to change without notice. The Spotify Software is subject to third party licenses found here: <https://developer.spotify.com/esdk-third-party-licenses/>