

# HARMAN KARDON® AVR 1710

700-watt, 7.2-channel networked audio/video receiver with AirPlay, HARMAN TrueStream *Bluetooth*® technology, six HDMI® inputs and Mobile High-Definition Link (MHL)



**With this many connectivity options, you may need more devices.**

## Harman Kardon® AVR 1710

Introducing the Harman Kardon® AVR 1710, our answer to the home entertainment enthusiast's need for power and versatility. Equipped with six HDMI® inputs, Apple AirPlay, integrated *Bluetooth*® technology and an MHL input for connection to mobile devices, this high-performance audio/video receiver is nothing short of extraordinary.

There's never been a Harman Kardon AVR with this combination of power, performance and connectivity options. This 7.2-channel networked audio/video receiver offers up to 700 watts of muscle and six 3D-ready HDMI inputs, including one that's compatible with MHL for mobile device connection. Its compatibility with Apple AirPlay software, *Bluetooth* connectivity, vTuner™ Internet radio, Roku Streaming Stick™ dongle and DLNA® 1.5 technology lets you stream high-fidelity audio. Its new EzSet/EQ™ III auto-calibration system gets the most from your speakers. The AVR 1710 is also lightweight, thanks to HARMAN GreenEdge™ certification – you'll get all its power in an eco-friendly form.

## Highlights

- Seven 100-watt-per-channel amplifiers with high-performance digital power supply
- Apple AirPlay, *Bluetooth* and DLNA 1.5 technology
- HARMAN TrueStream technology
- Six 3D-ready HDMI inputs, including one with MHL
- Dual subwoofer outputs
- Multiroom system with audio output and assignable amplifier
- Front-panel USB port
- New, compact design
- Dolby® TrueHD and DTS-HD Master Audio™ decoding
- EzSet/EQ III auto-calibration
- HARMAN GreenEdge technology
- vTuner (Internet radio) streaming
- Color-coded connectors and binding-post speaker terminals
- Multidevice, programmable/learning remote control
- Harman Kardon remote app for compatible iOS® and Android™ smartphones and tablet

# HARMAN KARDON® AVR 1710

We don't know what's more impressive, its sound or its features

## Key Features

### Seven 100-watt-per-channel amplifiers with high-performance digital power supply

The AVR 1710 high-performance audio/video receiver pumps out 100 watts per channel to power a full seven-channel surround-sound system. It can also connect to two powered subwoofers to provide enhanced low-frequency performance for all your entertainment. While the amplifiers retain the time-tested, high-current-capacity (HCC) ultrawide-bandwidth Harman Kardon® 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 muscle 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 friendlier to the environment.

### Apple AirPlay, Bluetooth and DLNA 1.5 technology

The AVR 1710 can stream audio from virtually any portable device. For Apple devices, such as computers and the iPad, iPhone and iPod touch, you can stream using the receiver's built-in AirPlay technology. (AirPlay, vTuner and DLNA connections require a wired connection to a broadband network.) For other tablets, smartphones and laptops, you can take advantage of the AVR 1710's integrated HARMAN TrueStream Bluetooth technology. A USB port is included on the front of the AVR so you can connect devices directly without an external adapter or a wireless connection. The AVR is also DLNA 1.5 compliant, which gives you multiple options for delivering content over your home network.

### HARMAN TrueStream technology

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

### Six 3D-ready HDMI inputs, including one with MHL

Six HDMI 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. And with MHL, you can deliver high-definition audio/video content from your camera, phone, tablet or Roku Streaming Stick dongle directly to your HDTV via the AVR 1710's MHL connection.

### Dual subwoofer outputs

Is your listening room so large that you need two subwoofers to deliver the bass you desire? That's not a problem with the AVR 1710, thanks to dual subwoofer outputs that give your system a big-time boost in low-frequency clarity and realism when needed.

### Multiroom system with audio output and assignable amplifier

Control the audio in separate rooms with a single receiver. Thanks to the AVR 1710's assignable amplifiers, you can power the audio in a second room without adding additional components. That means you can watch sports in one room while you play the soothing sounds of classical music in another.

### Front-panel USB port

The AVR 1710 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.

### New, compact design

The AVR 1710 takes the award-winning Harman Kardon look to a new level with a flush volume control and more compact design aesthetic than earlier AVRs. Because of its lighter weight, made possible by an advanced digital power supply, the unit weighs less without sacrificing performance. It's the perfect match for the thin glass shelves of today's open TV/entertainment furniture.

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

The AVR 1710 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™ coding. 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 1710's volume levels, speaker-distance/delay-time settings and equalization to optimize 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 1710's design is environmentally friendly but won't compromise the premium performance for which HARMAN products are known. Thanks to an advanced power supply, the AVR 1710 can deliver high-quality audio in a small, light chassis that uses less metal and plastic. The small design means minimal environmental waste and a small carbon footprint.

### vTuner (Internet radio) streaming

The AVR 1710 features vTuner connectivity to bring you 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 a wide range of Internet-only radio stations.

### Color-coded connectors and binding-post speaker terminals

All connections on the AVR 1710 are color-coded to simplify hookup and reduce errors. The color-coded binding-post speaker terminals on all output channels accept banana plugs (AVR 1710 only), pin connectors or bare wire to provide secure links for your speaker cables.

### Multidevice, programmable remote control

The AVR 1710 simplifies your life with a programmable infrared (IR) remote control. Its ergonomic design 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.

### Harman Kardon remote app for compatible iOS and Android smartphones and tablets

Taking control to the next level, the Harman Kardon remote app is available from the iTunes App Store for iOS devices and the Google Play service for compatible Android products. It will let you use your compatible smartphone or tablet to drive the AVR 1710 without picking up the remote.

# HARMAN KARDON® AVR 1710

Turning it up is sure to turn you on

## What's in the box

- 1 Harman Kardon® AVR 1710 A/V receiver
- 1 programmable remote control
- 1 EzSet/EQ III microphone with 22' (6.7m) cable
- 1 AM loop antenna with 2' (0.6m) cable
- 1 FM antenna with 6' (1.8m) cable
- 2 AAA batteries
- Quick-start guide
- Warranty card
- Safety sheet

## Harman Kardon AVR 1710

### Audio Section

- Stereo power: 100 watts per channel, two channels driven @ 6/8 ohms, 20Hz – 20kHz, <0.07% THD
- Multichannel power: 100 watts per channel, two channels driven @ 6/8 ohms, 20Hz – 20kHz, <0.07% THD
- Input sensitivity/impedance: 250mV/27k ohms
- Signal-to-noise ratio (IHF-A): 100dB
- Dolby Pro Logic®/DPLII: 40dB
- Dolby Digital: 55dB
- DTS®: 55dB
- Frequency response (@ 1W): 10Hz – 130kHz (+0dB/-3dB)
- High instantaneous-current capability (HCC): ±42 amps
- Transient intermodulation distortion (TIM): Unmeasurable
- Slew rate: 40V/sec

### FM Tuner Section

- Frequency range: 87.5MHz – 108.0MHz
- Usable sensitivity IHF: 1.3µV/13.2dB
- 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: 520kHz – 1,710kHz
- Signal-to-noise ratio: 38dB
- Usable sensitivity (loop): 500µV
- Distortion (1kHz, 50% mod): 1.0%
- 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: Supports up to 4K x 2K

### General Specifications

- Power requirement: 120V AC / 60Hz
- Power consumption: <0.5W (standby); 510W maximum
- Dimensions (H x W x D): 4-3/4" x 17-5/16" x 11-13/16" (121mm x 440mm x 300mm)
- Weight: 11 lb (5.1kg)

Go online to register your purchase and access tips that will show you just how beautiful sound can get.

[www.harmankardon.com/registermyproduct](http://www.harmankardon.com/registermyproduct)