



## Harman Kardon® AVR 1710S

Introducing the Harman Kardon® AVR 1710S, our answer to the home entertainment enthusiast's need for power and versatility. Equipped with six HDMI® 2.0 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 2.0 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 Spotify Connect technology lets you stream high-fidelity audio. Its new EzSet/EQ™ III auto-calibration system gets the most from your speakers. The AVR 1710S 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 Spotify Connect
- ▶ HARMAN TrueStream technology
- ▶ Six 3D-ready HDMI 2.0 inputs, including one with MHL and two HDMI 2.0 outputs
- ▶ Dual subwoofer outputs
- ▶ Multiroom system with assignable amplifier
- ▶ Front-panel USB port
- ▶ Compact design
- ▶ Dolby® TrueHD and DTS-HD Master Audio™ decoding
- ▶ EzSet/EQ III auto-calibration
- ▶ HARMAN GreenEdge technology
- ▶ vTuner (Internet radio) streaming
- ▶ Colour-coded connectors and binding-post speaker terminals
- ▶ Multidevice, programmable/learning remote control



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

The AVR 1710S 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 Spotify Connect**

The AVR 1710S 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. For other tablets, smartphones and laptops, you can take advantage of the AVR 1710S's integrated HARMAN TrueStream Bluetooth technology. The AVR also features Spotify Connect, which allows you to stream music directly from your Spotify premium account on your phone, tablet or computer. (AirPlay, vTuner and Spotify Connect connections require a wired connection to a broadband 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 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. 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 1710S'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 1710S, thanks to dual subwoofer outputs that give your system a big-time boost in low-frequency clarity and realism when needed.

### **Multiroom system with assignable amplifier**

Control the audio in separate rooms with a single receiver. Thanks to the AVR 1710S'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 1710S 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.

### **Compact design**

The AVR 1710S 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 1710S 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 1710S'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 1710S'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 1710S 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 1710S features vTuner Internet radio 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.

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

All connections on the AVR 1710S are colour-coded to simplify hookup and reduce errors. The 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 1710S 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.

### What's in the box

- 1 Harman Kardon® AVR 1710S 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 1710S 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
- 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): ±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/13.2dBf
- 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): 500µV
- 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); 510W maximum
- Dimensions (H x W x D): 121mm x 440mm x 300mm (4-3/4" x 17-5/16" x 11-13/16")
- Weight: 5.1kg (11 lb)

