

Harman Kardon AVR 1700

Harman Kardon AVR 1700 5.1-Channel Network-Connected Audio/Video Receiver User Manual

Comprehensive guide for setup, operation, maintenance, troubleshooting, and technical specifications.

1. INTRODUCTION

The Harman Kardon AVR 1700 is a 5.1-channel audio/video receiver designed to deliver a premium home theater experience. It combines powerful audio output with a variety of modern connectivity options, ensuring high-quality entertainment for movies, music, and gaming.

Key Features:

- 5.1-channel sound at 100 watts per channel.
- DLNA 1.5 certified connectivity for streaming audio from compatible devices onto your home network.
- Control the receiver through your iOS or Android smartphone or tablet.
- Front-panel USB port for music file playback and system upgrades.
- AirPlay allows wireless music streaming from iOS devices and iTunes.
- HDMI inputs with 3D and Deep Color support.
- Dolby TrueHD and DTS-HD Master Audio decoding.
- vTuner Internet radio for global online stations.
- Harman Kardon EzSet/EQ calibration for optimized sound.



Figure 1: Front view of the Harman Kardon AVR 1700 receiver, showing the display, control knobs, and front-panel inputs.

2. SETUP

2.1 Unpacking and Placement

Carefully remove the receiver from its packaging. Place the unit on a stable, level surface with adequate ventilation to prevent overheating. Ensure there is sufficient space around the receiver for airflow.

2.2 Connecting Speakers

Connect your 5.1-channel speaker system to the corresponding terminals on the rear panel of the AVR 1700. Ensure correct polarity (positive to positive, negative to negative) for each speaker. Banana plugs are recommended for secure connections.



Figure 2: Rear panel of the Harman Kardon AVR 1700, illustrating various input/output ports including HDMI, speaker terminals, and network connections.

2.3 Connecting Audio/Video Sources

Utilize the six HDMI inputs for connecting devices such as Blu-ray players, game consoles, and cable/satellite boxes. The HDMI output (Monitor) connects to your television. For older devices, analog audio inputs are available. Digital audio inputs (optical and coaxial) are also provided.

2.4 Network Connection

Connect the receiver to your home network via an Ethernet cable for access to vTuner Internet radio, DLNA 1.5 streaming, and AirPlay functionality.

2.5 EzSet/EQ Calibration

The Harman Kardon EzSet/EQ system automatically optimizes the receiver's sound to your specific listening room. Connect the included calibration microphone to the front-panel input and follow the on-screen instructions to initiate the automatic setup process. This ensures balanced sound levels and optimal performance for your speaker configuration.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off and Input Selection

Press the Power button on the front panel or remote control to turn the receiver on or off. Use the Source Select knob or dedicated input buttons on the remote to choose your desired audio/video source (e.g., Blu-ray, Game, TV, CD).

3.2 Volume Control

Adjust the master volume using the large knob on the front panel or the Volume Up/Down buttons on the remote control.

3.3 Network Features (DLNA, AirPlay, vTuner)

Once connected to your network, you can access various streaming features:

- **AirPlay:** Stream music wirelessly from your iOS devices (iPhone, iPad, iPod touch) or from iTunes on your computer.
- **DLNA 1.5:** Access audio and video content from compatible devices on your home network.
- **vTuner Internet Radio:** Explore and listen to thousands of internet radio stations and podcasts from around the world.

3.4 USB Playback

Connect a USB flash drive or an iOS device to the front-panel USB port to play back MP3 and WMA audio files. Use the remote control to navigate and select tracks.

3.5 Mobile App Control

Download the free Harman Kardon remote control app for iOS and Android devices. This app transforms your smartphone or tablet into a full-featured remote, providing intuitive control over the receiver and its connected media.

4. MAINTENANCE

4.1 Cleaning

To clean the receiver, use a soft, dry cloth. Avoid using abrasive cleaners, waxes, or solvents, as these can damage the finish. Ensure the unit is powered off and unplugged before cleaning.

4.2 Ventilation

Maintain proper ventilation around the receiver to prevent overheating. Do not block any ventilation openings on the top, sides, or bottom of the unit. Avoid placing the receiver in an enclosed cabinet without adequate airflow.

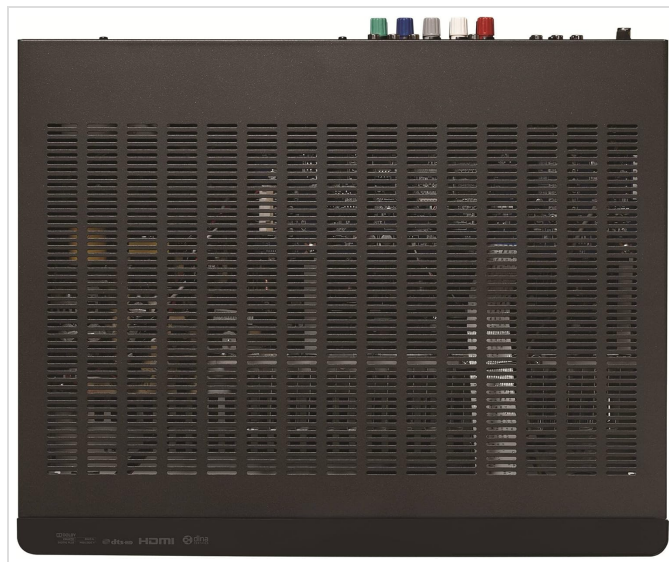


Figure 3: Side view of the Harman Kardon AVR 1700, highlighting the ventilation grilles essential for heat dissipation.

5. TROUBLESHOOTING

5.1 No Power

- Ensure the power cord is securely plugged into both the receiver and a working electrical outlet.
- Check if the power outlet is functional by plugging in another device.

5.2 No Sound

- Verify that the correct input source is selected on the receiver.
- Check all speaker connections for proper wiring and polarity.
- Ensure the volume is not muted or set to a very low level.
- Confirm that your TV or source device is outputting audio to the receiver.

5.3 No Picture

- Check all HDMI cable connections between the source, receiver, and TV.
- Ensure the correct HDMI input is selected on both the receiver and the TV.
- Try bypassing the receiver and connecting the source directly to the TV to isolate the issue.

5.4 Network Connectivity Issues

- Verify the Ethernet cable is securely connected to the receiver and your router.
- Restart your router and the AVR 1700.
- Check your network settings on the receiver's menu.

6. SPECIFICATIONS

Feature	Value
Stereo Mode Continuous Average Power	100 watts/ch, 1kHz, <0.1% THD, both channels driven @ 8 ohms. 6-ohm certified
Multichannel Power	100 watts/ch, 20Hz driven @ 8 ohms, 1kHz <0.1% THD
Bandwidth @ 1W (+0dB/−3dB)	10Hz – 100kHz
Input Sensitivity/Impedance (Line-in)	250mV/27 ohms
Signal-to-Noise Ratio (IHF-A)	100dB
High Instantaneous Current Capability (HCC)	± 34 amps
Television Format	NTSC

Feature	Value
Input and Output Level/Impedance	1Vp-p/75 ohms
Power Consumption	260W maximum
Dimensions (H x W x D)	17-5/16" x 6-1/2" x 13-13/16" (440mm x 165mm x 350mm)
Weight	12.8 lb (5.8kg)
Surround Sound Channel Configuration	5.1
Connectivity Technology	Ethernet
Controller Type	Android, iOS
Total HDMI Ports	6

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The Harman Kardon AVR 1700 typically comes with a 2-year manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions, including coverage details and how to make a claim.

7.2 Legal Disclaimer

Product sold as is, no refunds.

7.3 Customer Support

For technical assistance, troubleshooting, or service inquiries, please contact Harman Kardon customer support. Visit the official Harman Kardon website for contact information and additional resources.