

Harman Kardon AVR 1610

User Manual

HARMAN KARDON AVR 1610 5.1-CHANNEL NETWORKED AUDIO/VIDEO RECEIVER

Introduction

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Harman Kardon AVR 1610 5.1-Channel Networked Audio/Video Receiver. Designed for home entertainment enthusiasts, this receiver offers powerful audio performance and versatile connectivity options.

Key features include:

- 5.1 surround sound system with 85 watts per channel.
- Integrated Green Edge technology for powerful, precise amplification.
- Five 3D-ready HDMI inputs, including one MHL-compatible port.
- Front-panel USB port for compatible Apple products or USB sticks.
- Built-in Bluetooth technology and DLNA 1.5 compliance.
- EzSet/EQ III auto-calibration for optimized sound.
- Compatibility with vTuner Internet radio and Roku Streaming Stick dongle.
- Dolby TrueHD and DTS-HD Master Audio decoding.

1. Setup Guide

1.1 Unpacking and Placement

Carefully remove the receiver and all accessories from the packaging. Place the AVR 1610 on a stable, level surface with adequate ventilation. Ensure there is sufficient space around the unit for airflow to prevent overheating.

1.2 Connecting Speakers

The AVR 1610 supports a 5.1 channel speaker configuration. Use high-quality speaker cables to connect your speakers to the color-coded binding-post speaker terminals on the rear panel of the receiver. Ensure correct polarity (+ to + and - to -) for each speaker.

- **Front Left/Right:** Connect your main stereo speakers.
- **Center:** Connect your center channel speaker for dialogue.
- **Surround Left/Right:** Connect your surround speakers for immersive audio.
- **Subwoofer:** Connect your powered subwoofer to the SUBWOOFER PRE-OUT using an RCA cable.



Figure 1.2: Rear panel of the Harman Kardon AVR 1610, illustrating speaker terminals, HDMI, and other audio/video inputs.

1.3 Connecting Audio/Video Sources

Connect your audio and video devices to the appropriate inputs on the receiver. The AVR 1610 features multiple HDMI inputs for modern devices and other analog/digital inputs for legacy equipment.

- **HDMI Inputs:** Connect Blu-ray players, game consoles, cable boxes, or streaming devices to any of the five HDMI inputs. One input is MHL-compatible for mobile devices.
- **HDMI Output:** Connect the HDMI OUT port to your TV or projector.
- **Optical/Coaxial Digital Audio:** For devices without HDMI, use the optical or coaxial digital audio inputs.
- **Analog Audio:** Use RCA cables for analog audio sources.
- **Network:** Connect an Ethernet cable to the NETWORK port for internet radio and DLNA streaming.
- **USB:** Use the front-panel USB port for connecting compatible Apple devices or USB storage.

1.4 Power Connection

Once all connections are made, plug the receiver's power cord into a suitable AC outlet. The receiver will enter standby mode.

1.5 Initial Setup and EzSet/EQ III Calibration

For optimal sound performance, use the EzSet/EQ III auto-calibration system. Connect the supplied microphone to the "Setup Mic" jack on the front panel. Follow the on-screen instructions (if connected to a TV via HDMI) or the front panel display prompts to calibrate your speaker system to your room's acoustics.



Figure 1.5: Front panel of the Harman Kardon AVR 1610, showing the display, control buttons, and front-panel ports.

2. Operating Instructions

2.1 Powering On/Off

Press the **Power** button on the front panel or the remote control to turn the receiver on or off. The unit will enter or exit standby mode.

2.2 Input Selection

Use the **Source Select** buttons on the front panel or the remote control to switch between connected audio/video sources (e.g., HDMI 1, Blu-ray, CD, Tuner).

2.3 Volume Control

Adjust the master volume using the large rotary knob on the front panel or the **Volume +/-** buttons on the remote control.

2.4 Audio Modes and Surround Sound

The AVR 1610 supports various audio decoding formats, including Dolby TrueHD and DTS-HD Master Audio. The receiver will automatically detect and apply the appropriate audio mode for the incoming signal. You can also manually select surround modes using the remote control.

2.5 Network Features (vTuner, DLNA, Roku Streaming Stick)

- **vTuner Internet Radio:** Access thousands of internet radio stations worldwide when connected to your home network.
- **DLNA 1.5:** Stream music from compatible devices on your home network (e.g., computers, NAS drives).
- **Roku Streaming Stick:** The receiver is compatible with the Roku Streaming Stick dongle for integrated streaming services (dongle sold separately).

2.6 Bluetooth Connectivity

Pair your Bluetooth-enabled smartphone or tablet with the AVR 1610 to wirelessly stream audio. Select the Bluetooth input on the receiver and follow the pairing instructions in your device's Bluetooth settings.

2.7 USB Playback

Connect a USB flash drive or compatible Apple device to the front-panel USB port to play audio files directly through the receiver.

2.8 Harman Kardon Remote App

Download the Harman Kardon remote app for compatible iOS and Android smartphones and tablets to control your receiver from your mobile device. This app provides convenient access to functions and settings.

3. Maintenance

3.1 Cleaning

To clean the exterior of the receiver, use a soft, dry cloth. Do not use abrasive cleaners, waxes, or solvents. Ensure the unit is powered off and unplugged before cleaning.

3.2 Ventilation

Ensure that the ventilation openings on the top and sides of the receiver are not blocked. Proper airflow is essential to prevent overheating and ensure long-term performance.

3.3 Storage

If storing the receiver for an extended period, disconnect all cables and store it in a cool, dry place, preferably in its original packaging.

4. Troubleshooting

If you experience issues with your Harman Kardon AVR 1610, please consult the following common problems and solutions before contacting customer support.

Problem	Possible Cause / Solution
No Power	Ensure the power cord is securely plugged into the receiver and a working AC outlet. Check if the power outlet is active.
No Sound	Verify speaker connections are secure and correct polarity. Check if the correct input source is selected. Increase the master volume. Ensure the receiver is not muted. Confirm audio settings on the source device (e.g., TV, Blu-ray player) are set to output audio to the receiver.
No Picture (HDMI)	Ensure HDMI cables are securely connected to both the source and the receiver, and from the receiver to the TV. Select the correct HDMI input on the receiver and the correct HDMI input on your TV. Try a different HDMI cable or input port.
Remote Control Not Working	Replace the batteries in the remote control. Ensure there are no obstructions between the remote and the receiver's IR sensor. Point the remote directly at the receiver.

Problem	Possible Cause / Solution
Network Connection Issues	Check the Ethernet cable connection to your router/modem.
	Restart your router/modem.
	Verify network settings on the receiver.

5. Technical Specifications

Feature	Detail
Brand	Harman Kardon
Model	AVR 1610
Channels	5.1-Channel
Power Output (Stereo)	85W per channel (2 channels driven, 6/8 ohms, 20Hz - 20kHz, <0.1% THD)
Power Output (Multichannel)	85W per channel (2 channels driven, 6/8 ohms, 20Hz - 20kHz, <0.1% THD)
Signal-to-Noise Ratio (IHF-A)	100dB
HDMI Inputs	5 (3D-ready, 1 MHL-compatible)
HDMI Output	1
HDMI Support	Up to 4K x 2K, 3D-Ready
Audio Decoding	Dolby TrueHD, DTS-HD Master Audio, Dolby Pro Logic/DPLII
Connectivity	HDMI, USB, Ethernet, RCA, Optical, Coaxial
Wireless Connectivity	Bluetooth technology, DLNA 1.5 compliance
Tuner Technology	AM/FM/Internet Radio (vTuner)
Special Features	EzSet/EQ III auto-calibration, Front-panel USB port, Integrated Green Edge technology, Roku Streaming Stick compatibility
Product Dimensions (W x D x H)	43.97 x 30 x 12.07 cm (17.3 x 11.8 x 4.75 inches)
Item Weight	4.54 kg (10 lbs)
Power Source	AC

6. Warranty and Support

6.1 Warranty Information

Your Harman Kardon AVR 1610 receiver is covered by a limited warranty. Please refer to the warranty card included with your product for specific terms, conditions, and duration of coverage. Keep your proof of purchase for warranty claims.

6.2 Customer Support

For technical assistance, service, or product information, please visit the official Harman Kardon website or contact their customer support. You can find contact details and FAQs on their support page.

Harman Kardon Official Website: www.harmankardon.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question