Harman Kardon AVR 1510

Harman Kardon AVR 1510 User Manual

5.1-Channel 75-Watt Networked Audio/Video Receiver

1. Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Harman Kardon AVR 1510 5.1-Channel 75-Watt Networked Audio/Video Receiver. Please read this manual thoroughly before operating the unit to ensure proper use and to maximize your listening and viewing experience.

The Harman Kardon AVR 1510 is a high-performance audio/video receiver designed to deliver exceptional sound and picture quality. It features four 3D-ready HDMI inputs, DLNA 1.5 network connectivity, built-in vTuner Internet radio, and HARMAN GreenEdge certification for energy efficiency.



Figure 1.1: Front view of the Harman Kardon AVR 1510 receiver, showcasing its sleek black design and central display.

2. What's in the Box

Before you begin, please verify that all components are present in the packaging:

- 1 Harman Kardon® AVR 1510 A/V receiver
- 1 programmable remote control
- 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

3. Setup

3.1 Placement

Place the AVR 1510 on a stable, flat surface with adequate ventilation. Ensure there is sufficient space around the unit for airflow to prevent overheating.

3.2 Connecting Speakers

The AVR 1510 supports a 5.1-channel speaker configuration. Use the color-coded connectors on the rear panel for easy and accurate speaker connection.

1. Connect the front left and right speakers to the "FRONT RIGHT" and "FRONT LEFT" terminals.
2. Connect the center speaker to the "CENTER" terminal.
3. Connect the surround left and right speakers to the "SURR LEFT" and "SURR RIGHT" terminals.
4. Connect your powered subwoofer to the "SUBWOOFER" pre-out using an RCA cable.



Figure 3.1: Rear panel of the AVR 1510, illustrating the color-coded speaker terminals and various input/output ports.

3.3 Connecting Audio/Video Sources

The AVR 1510 features four 3D-ready HDMI inputs for connecting your high-definition devices such as Blu-ray players, game consoles, and cable/satellite boxes. It also includes analog and digital audio inputs.

- **HDMI Connections:** Connect HDMI cables from your source devices to any of the four HDMI inputs (HDMI 1-4). Connect an HDMI cable from the "HDMI OUT" port on the receiver to your TV or projector.
- **USB Connection:** Use the front-panel USB port to connect Apple products or USB storage devices for audio playback.

- **Network Connection:** Connect an Ethernet cable to the "NETWORK" port for DLNA 1.5 streaming and vTuner Internet radio access.

4. Operating Instructions

4.1 Powering On/Off

Press the **Power** button on the front panel or the remote control to turn the unit on or off.

4.2 Source Selection

Use the **Source Select** buttons on the front panel or the remote control to switch between connected input sources (e.g., HDMI 1, USB, Network).

4.3 Volume Control

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

4.4 Network Features

The AVR 1510 offers advanced network capabilities:

- **DLNA 1.5:** Stream audio content from compatible devices on your home network, such as smartphones, tablets, and personal computers.
- **vTuner Internet Radio:** Access a vast selection of online radio stations from around the globe. Ensure the receiver is connected to your network for this feature.

4.5 Remote Control

The included multidevice programmable remote control can operate the AVR 1510 and other compatible devices like your TV or cable box. Refer to the quick-start guide for programming instructions.

5. Maintenance

To ensure the longevity and optimal performance of your AVR 1510, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or abrasive materials.
- **Ventilation:** Ensure that the ventilation openings on the top and sides of the receiver are not blocked. Proper airflow is crucial to prevent overheating.
- **Power:** Disconnect the power cord from the wall outlet if the unit will not be used for an extended period.

6. Troubleshooting

If you encounter issues with your AVR 1510, consult the table below for common problems and their solutions. If the problem persists, contact Harman Kardon customer support.

Problem	Possible Cause	Solution
No power	Power cord disconnected; unit in standby mode.	Ensure power cord is securely plugged in. Press the Power button.
No sound	Incorrect source selected; speakers not connected; volume too low; mute activated.	Select correct input source. Check speaker connections. Increase volume. Deactivate mute.

Problem	Possible Cause	Solution
No picture (HDMI)	Incorrect HDMI input selected; faulty HDMI cable; TV input not set correctly.	Verify HDMI input on receiver and TV. Try a different HDMI cable.
Network features not working	No network connection; incorrect network settings.	Ensure Ethernet cable is connected. Check router and network settings.

7. Specifications

Key technical specifications for the Harman Kardon AVR 1510 receiver:

Feature	Specification
Power Requirement	120V AC / 60Hz
Power Consumption	<0.5W (standby); 410W maximum
Dimensions (W x H x D)	17-5/16" x 4-3/4" x 11-13/16" (440mm x 121mm x 300mm)
Weight	10 lb (4.6kg)
HDMI Inputs	4 (Supports up to 4K x 2K)
Video Frequency Response (Composite)	10Hz – 8MHz (–3dB)
Television Format	NTSC
Surround Sound Channels	5.1
Watts per Channel	75W
Connectivity Technology	Network
Audio Decoding	Dolby TrueHD and DTS-HD Master Audio

8. Warranty and Support

8.1 Warranty Information

Your Harman Kardon AVR 1510 comes with a limited warranty. Please refer to the included warranty card for detailed terms and conditions, including coverage period and what is covered.

8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Harman Kardon customer support. You may also find additional resources, including a downloadable PDF version of the user manual, on the official Harman Kardon website.
A digital version of this user manual is available at:Harman Kardon AVR 1510 User Manual (PDF)

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