

Harman Kardon AVR 151/230

Harman Kardon AVR 151/230 5.1 Channel AV Receiver User Manual

Model: AVR 151/230

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Harman Kardon AVR 151/230 5.1 Channel AV Receiver. Please read this manual thoroughly before using the product to ensure proper setup and optimal performance. Keep this manual for future reference.

The Harman Kardon AVR 151/230 is designed to deliver a high-quality audio and video experience for your home entertainment system, featuring 5.1 channel surround sound and HDMI connectivity.



Image 1.1: Front view of the Harman Kardon AVR 151/230 AV Receiver. This image shows the sleek black finish and the main display panel.

2. IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

3. PACKAGE CONTENTS

Carefully unpack your Harman Kardon AVR 151/230 receiver and verify that all items listed below are present and in good condition. If any item is missing or damaged, contact your dealer immediately.

- Harman Kardon AVR 151/230 AV Receiver
- Remote Control
- Power Cord (AC)
- FM Antenna
- AM Loop Antenna
- Setup Microphone (for automatic calibration)
- Quick Start Guide
- User Manual (this document)

Note: The "AC." item in the product data refers to the AC power cord.

4. SETUP

4.1 Placement

Place the AVR 151/230 on a flat, stable surface with adequate ventilation. Ensure there is at least 10-15 cm (4-6 inches) of clear space around the top and sides for proper heat dissipation. Do not place the receiver in an enclosed cabinet without proper airflow.

4.2 Connecting Speakers

The AVR 151/230 supports a 5.1 channel speaker configuration. Connect your speakers to the corresponding terminals on the rear panel of the receiver. Ensure correct polarity (+ to + and - to -) for each speaker.

1. **Front Left and Right Speakers:** Connect to the "FRONT L" and "FRONT R" terminals.
2. **Center Speaker:** Connect to the "CENTER" terminal.
3. **Surround Left and Right Speakers:** Connect to the "SURROUND L" and "SURROUND R" terminals.
4. **Subwoofer:** Connect an active subwoofer to the "SUBWOOFER PRE-OUT" RCA jack.

Note: The receiver supports speakers with an impedance of 6 ohms or 27 ohms, as indicated in the product specifications.



Image 4.2: Illustrative image of the rear panel of the AVR 151/230, showing speaker terminals and input/output ports. (Actual image would show detailed connections).

4.3 Connecting Audio/Video Sources (HDMI)

Use HDMI cables to connect your audio/video sources (e.g., Blu-ray player, game console, cable box) to the HDMI input ports on the rear panel of the AVR 151/230. Connect your TV or projector to the HDMI output port.

- Connect an HDMI cable from your source device's HDMI OUT to an available HDMI IN on the receiver.
- Connect another HDMI cable from the receiver's HDMI OUT to your TV's HDMI IN.

The AVR 151/230 features HDMI connectivity for both audio and video signals.

4.4 Connecting Antennas

Connect the supplied FM and AM antennas to their respective terminals on the rear panel for radio reception.

4.5 Power Connection

Once all audio/video and speaker connections are made, connect the supplied AC power cord to the receiver's AC inlet and then to a wall outlet.

4.6 Initial Setup and Speaker Calibration

After powering on the receiver for the first time, it is recommended to perform an automatic speaker calibration using the supplied setup microphone. This process optimizes sound settings for your specific room and speaker placement.

1. Connect the setup microphone to the dedicated port on the front panel.
2. Place the microphone at your primary listening position.
3. Follow the on-screen instructions (if available) or the receiver's display prompts to start the calibration process.
4. The receiver will emit test tones through each speaker to measure distances, levels, and equalization.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the **POWER** button on the front panel or the remote control to turn the receiver on or off. The power indicator light will illuminate when the unit is on.

5.2 Input Selection

Use the **INPUT SELECTOR** buttons on the front panel or the remote control to choose the desired audio/video source (e.g., HDMI 1, HDMI 2, Tuner).

5.3 Volume Control

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

5.4 Sound Modes and Equalizer

The AVR 151/230 offers various sound modes for different listening experiences. Use the **MODE** button on the remote control to cycle through available modes (e.g., Stereo, Surround Sound). The built-in equalizer allows for fine-tuning of audio frequencies to match your preferences.

5.5 Radio Operation (AM/FM/vTuner)

To listen to radio:

1. Select the **TUNER** input.
2. Use the **BAND** button to switch between AM and FM.
3. Use the **TUNE +/-** buttons to manually tune to a station or **PRESET +/-** to select a saved station.
4. For vTuner (internet radio), ensure the receiver is connected to your network (if applicable) and follow the on-screen menu instructions to browse and select internet radio stations.



Image 5.5: Illustrative image of the remote control for the AVR 151/230, highlighting key buttons for operation. (Actual

image would show remote control details).

6. MAINTENANCE

6.1 Cleaning

To clean the exterior of the receiver, use a soft, dry cloth. Do not use abrasive cleaners, waxes, or solvents. For stubborn marks, lightly dampen the cloth with water or a mild, non-abrasive cleaning solution and wipe gently, then dry thoroughly.

CAUTION: Always unplug the receiver from the power outlet before cleaning.

6.2 Ventilation

Ensure that the ventilation openings on the top and sides of the receiver remain clear of obstructions. Proper ventilation is crucial to prevent overheating and ensure long-term reliability.

7. TROUBLESHOOTING

If you experience problems with your AVR 151/230, consult the table below for possible solutions. If the issue persists, contact Harman Kardon customer support.

Problem	Possible Cause	Solution
No power	Power cord not connected; power outlet faulty; receiver in standby mode.	Check power cord connection; try a different outlet; press POWER button.
No sound	Incorrect input selected; speakers not connected; volume too low; mute activated.	Select correct input; check speaker connections and polarity; increase volume; deactivate mute.
No video	Incorrect input selected; HDMI cable faulty; TV input incorrect.	Select correct input; check HDMI cable connections; ensure TV is on correct HDMI input.
Remote control not working	Batteries depleted; line of sight blocked; incorrect remote mode.	Replace batteries; remove obstructions; ensure remote is in correct mode for receiver.

8. SPECIFICATIONS

Feature	Detail
Model Number	AVR 151/230

Feature	Detail
Channels	5.1 Channels
Output Power	75 W per channel (5.1 channels, 27 ohms) / 225 W total output (as per some specs)
Speaker Impedance	27 ohms, 6 ohms (supported)
Connectivity Technology	HDMI
Input/Output Types	HDMI (Analog RGB inputs also HDMI), Stereo, Surround Sound audio outputs
Special Features	Equalizer, Indicator Lights, Remote Control
Control Method	Remote Control
Product Dimensions (W x D x H)	44 x 30 x 12.1 cm
Product Weight	4.6 kg (4600 Grams)
Color	Black
UPC / GTIN	282922625176

9. WARRANTY AND SUPPORT

Harman Kardon products are built to the highest quality standards and are covered by a limited warranty. Please refer to the warranty card included with your product or visit the official Harman Kardon website for detailed warranty terms and conditions specific to your region.

For technical support, service, or further assistance, please contact your authorized Harman Kardon dealer or visit the Harman Kardon support website. You may need your product model number (AVR 151/230) and serial number (located on the rear panel) when contacting support.

Online Support: www.harmankardon.com/support

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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

Anonymous

Email

you@example.com

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