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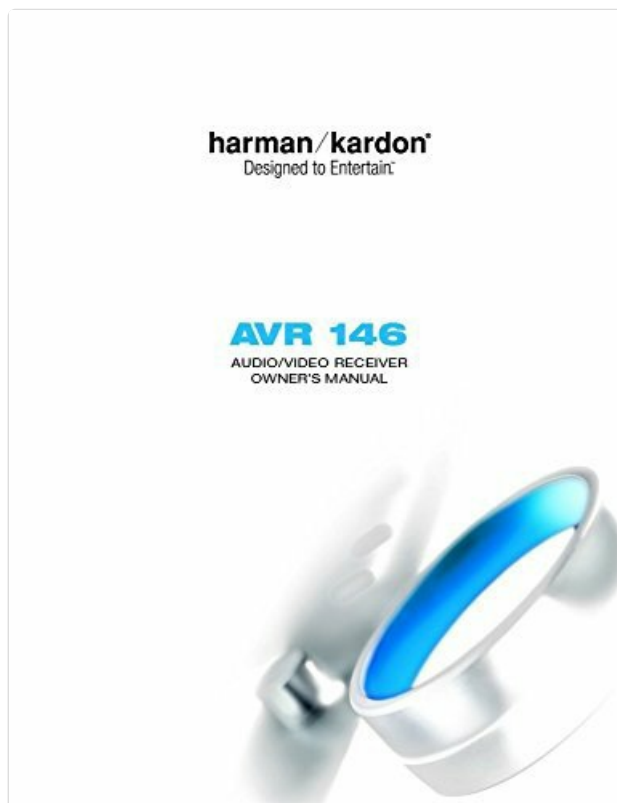
Harman Kardon AVR-146

Harman Kardon AVR-146 AV Receiver Owner's Manual

Model: AVR-146

INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Harman Kardon AVR-146 AV Receiver. To ensure optimal performance and safety, please read this manual thoroughly before using the unit and retain it for future reference.



This image displays the cover of the Harman Kardon AVR-146 AV Receiver Owner's Manual. It features the Harman Kardon

SETUP

1. Unpacking and Placement

- Carefully remove the receiver and all accessories from the packaging.
- Place the receiver on a stable, level 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 airflow.
- Avoid placing the unit near heat sources or in direct sunlight.

2. Speaker Connections

Connect your speakers to the appropriate terminals on the rear panel of the AVR-146. Pay close attention to polarity (+ to + and - to -) for each speaker.

- **Front Speakers:** Connect left and right front speakers.
- **Center Speaker:** Connect the center channel speaker for dialogue.
- **Surround Speakers:** Connect left and right surround speakers for immersive sound.
- **Subwoofer:** Connect an active subwoofer to the SUBWOOFER PRE OUT jack.

3. Audio/Video Source Connections

Connect your audio and video components (e.g., Blu-ray player, game console, cable box) to the receiver using the appropriate cables.

- **HDMI:** For high-definition audio and video, connect HDMI cables from your sources to the HDMI INPUTs on the receiver, and then from the HDMI OUTPUT to your TV or projector.
- **Digital Audio (Optical/Coaxial):** For digital audio from devices without HDMI, use optical or coaxial digital cables.
- **Analog Audio/Video:** For older components, use RCA-type analog audio and composite/component video cables.

4. Power Connection

Once all connections are made, plug the receiver's power cord into a wall outlet. Do not connect the power cord until all other connections are complete.

OPERATING THE RECEIVER

1. Basic Controls

- **Power Button:** Located on the front panel, press to turn the unit on or off.
- **Volume Control:** Use the large knob on the front panel or the VOLUME +/- buttons on the remote control to adjust the master volume.
- **Input Selector:** Press the INPUT SELECTOR buttons on the front panel or remote to choose your desired audio/video source (e.g., DVD, CD, TV).

2. Sound Modes and Audio Adjustments

The AVR-146 offers various sound modes to enhance your listening experience.

- **Surround Modes:** Select from modes like Dolby Digital, DTS, or Harman Kardon's proprietary surround

modes using the remote control.

- **Tone Controls:** Adjust Bass and Treble levels to suit your preference.
- **Speaker Level Calibration:** Use the on-screen display (OSD) and a sound level meter (if available) to calibrate individual speaker levels for balanced sound.

3. Using the Remote Control

The supplied remote control provides full functionality for the receiver. Familiarize yourself with the button layout for easy operation.

- Ensure fresh batteries are installed correctly.
- Point the remote directly at the receiver's front panel sensor.

4. On-Screen Display (OSD) Navigation

Access the receiver's settings and menus via the On-Screen Display, which appears on your connected television.

- Use the navigation buttons (arrows, Enter) on the remote to browse menus.
- Adjust settings such as speaker configuration, input assignments, and audio preferences.

MAINTENANCE

1. Cleaning the Unit

- Before cleaning, disconnect the power cord from the wall outlet.
- Use a soft, dry cloth to wipe the exterior surfaces. For stubborn marks, lightly dampen the cloth with water.
- Do not use abrasive cleaners, waxes, or solvents as they may damage the finish.

2. Ventilation

Proper ventilation is crucial for the longevity of your receiver. Ensure that the ventilation openings on the top and sides of the unit are not blocked.

- Do not place the receiver in an enclosed cabinet without adequate airflow.
- Avoid stacking other electronic components directly on top of the receiver.

TROUBLESHOOTING

If you experience issues with your AVR-146, consult the following common troubleshooting steps before seeking professional service.

Problem	Possible Cause / Solution
No Power	Check if the power cord is securely plugged into the wall outlet and the receiver. Ensure the power outlet is active.
No Sound	Verify speaker connections. Check if the correct input source is selected. Ensure volume is not muted or set too low. Confirm audio cables are properly connected.
No Picture	Check video cable connections (HDMI, component, composite) between the source, receiver, and TV. Ensure the correct input is selected on both the receiver and the TV.
Remote Control Not Working	Replace batteries. Ensure there are no obstructions between the remote and the receiver's sensor. Point the remote directly at the receiver.
Distorted Sound	Check speaker wire connections for frayed strands or short circuits. Reduce volume if it's too high. Ensure audio source is not distorted.

If the problem persists after trying these steps, please refer to the warranty and support section for further assistance.

SPECIFICATIONS

The Harman Kardon AVR-146 is designed to deliver high-quality audio and video performance. Key specifications include:

- **Audio Decoding:** Supports various surround sound formats including Dolby Digital and DTS.
- **Connectivity:** Multiple HDMI inputs, digital audio inputs (optical/coaxial), and analog audio/video inputs.
- **Power Output:** Designed to provide ample power for a home theater setup. (Specific wattage details would be found in the full technical specifications section of the original manual).
- **Dimensions:** Standard AV receiver form factor, designed to fit into typical home entertainment setups.
- **Weight:** Typical for a receiver of its class, indicating robust construction.

For a complete list of technical specifications, please refer to the detailed specifications section of the original Harman Kardon AVR-146 manual or the manufacturer's official website.

WARRANTY AND SUPPORT

For information regarding the warranty coverage for your Harman Kardon AVR-146 AV Receiver, please refer to the warranty card included with your original purchase or visit the official Harman Kardon website. Warranty terms and conditions may vary by region and date of purchase.

If you require technical assistance or service for your unit, please contact Harman Kardon customer support. You may find contact information on their official website or in the original product packaging. When contacting support, please have your product model number (AVR-146) and serial number ready.

Note: This manual is a reprint and does not include specific warranty details or direct support contact information. Always refer to the official manufacturer's resources for the most accurate and up-to-date information.

