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› Denon AVR-A10H 13.4-Ch 8K Home Theater Receiver Instruction Manual

Denon AVR-A10H

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Model: AVR-A10H

INTRODUCTION

The Denon AVR-A10H is a high-performance 13.4-channel 8K Home Theater Receiver designed to deliver an immersive audio and visual experience. This manual provides essential information for setting up, operating, and maintaining your receiver to ensure optimal performance and longevity.



Figure 1: Front view of the Denon AVR-A10H receiver.

WHAT'S IN THE BOX

Upon unpacking your Denon AVR-A10H, please ensure all the following items are present:

- Remote Control + Batteries
- AM/FM Antennas
- Wire Labels + Quick Start Guide
- Audyssey Microphone + Stand
- AC Cord

SETUP

Proper setup is crucial for maximizing the performance of your AVR-A10H receiver. Follow these general guidelines for initial installation.

1. Placement and Ventilation

Place the receiver on a stable, flat surface with adequate ventilation. Ensure there is sufficient space around the unit for heat dissipation. Avoid placing it in enclosed cabinets without proper airflow.

2. Connecting Speakers

Connect your speakers to the corresponding terminals on the rear panel. The AVR-A10H supports up to 13 speakers and 4 independent subwoofers, allowing for configurations up to 7.4.6 or 9.4.4 channels. Use appropriate gauge speaker wire for optimal sound quality.



Premium, hi-fi construction

Nine 2-channel DACs maximize resolution while gold-plated speaker terminals and a rigid, three-layer chassis minimize vibration and interference.

Figure 2: Rear panel connections for speakers and input devices.

3. Connecting Input Devices (HDMI)

Connect your video sources (e.g., Blu-ray player, game console, streaming box) to the HDMI input ports. The receiver features 7 HDMI inputs and 2 outputs, supporting 8K/60Hz and 4K/120Hz signals. Ensure you use high-speed HDMI cables for 8K/4K content.



Figure 3: Detailed view of HDMI and analog audio inputs.

4. Network and Wireless Setup

Connect the receiver to your home network via Ethernet cable or Wi-Fi. This enables HEOS multi-room streaming, firmware updates, and control via the Denon AVR Remote app. Bluetooth connectivity is also available for direct device pairing.

5. Audyssey Room Calibration

Utilize the included Audyssey microphone and stand to perform automatic room calibration. This process measures your room's acoustics and optimizes speaker settings for the best possible sound. Optional Dirac Live Room Correction is also available (fee required) for advanced tuning.



Figure 4: Front panel highlighting Dirac Live upgradability.

OPERATING INSTRUCTIONS

Basic Operation

- **Power On/Off:** Use the power button on the front panel or the remote control.
- **Input Selection:** Select your desired input source (e.g., Blu-ray, Game, Media Player) using the input selector buttons on the front panel or remote.
- **Volume Control:** Adjust the master volume using the large knob on the front panel or the volume buttons on the remote.

Audio and Video Modes

- Immersive Audio:** The receiver automatically detects and processes Dolby Atmos, DTS:X Pro, IMAX Enhanced, and AURO-3D content for a multi-dimensional sound experience.
- Video Passthrough:** Enjoy 8K/60Hz and 4K/120Hz video passthrough with support for Dolby Vision, VRR (Variable Refresh Rate), QFT (Quick Frame Transport), and ALLM (Auto Low Latency Mode) for optimal gaming and viewing.

Wireless Streaming

- HEOS Built-in:** Stream music wirelessly from services like Spotify, Deezer, and TIDAL. Create a multi-room audio system with other HEOS-enabled devices.
- Bluetooth:** Pair your smartphone or tablet via Bluetooth to stream audio directly to the receiver.
- AirPlay 2:** Stream audio from Apple devices using AirPlay 2.

FEATURES

The Denon AVR-A10H is equipped with advanced features to enhance your home entertainment:

- 13.4-Channel Amplifier:** Delivers 150W per channel, powering up to 13 speakers and 4 independent subwoofers for expansive sound.
- Audiophile-Quality Audio:** Supports Dolby Atmos, DTS:X Pro, IMAX Enhanced, AURO-3D, and Sony 360 Reality Audio. Features 9 audiophile-grade 32-bit DACs.
- 8K/4K Video Support:** 7 HDMI inputs and 2 outputs with 8K/60Hz and 4K/120Hz passthrough, Dolby Vision, HDR10+, HLG, VRR, QFT, and ALLM.
- HEOS Built-in:** Enables multi-room audio streaming from popular services via Wi-Fi or Bluetooth.
- Premium Construction:** Rigid three-layer chassis and gold-plated speaker terminals minimize vibration and interference.
- Room Calibration:** Includes Audyssey MultEQ XT32 technology with optional Dirac Live Room Correction (fee required) for precise acoustic optimization.

SPECIFICATIONS

Category	Specification
Channels	13.4 (150W x 13)
HDMI Inputs/Outputs	7 In / 2 Out (8K/60Hz, 4K/120Hz)
Audio Formats	Dolby Atmos, DTS:X Pro, IMAX Enhanced, AURO-3D, Sony 360 Reality Audio
Video Support	8K, 4K/120Hz, Dolby Vision, HDR10+, HLG, VRR, QFT, ALLM
Wireless Connectivity	Wi-Fi, Bluetooth, HEOS Built-in
Room Correction	Audyssey MultEQ XT32 (Dirac Live optional)
DACs	9 x 32-bit DACs
Dimensions (Package)	22 x 21.5 x 13 inches
Item Weight	60.9 pounds

Included Batteries

2 AAA batteries (for remote)

MAINTENANCE

To ensure the longevity and optimal performance of your Denon AVR-A10H, follow these maintenance tips:

- **Cleaning:** Regularly wipe the exterior with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Ventilation:** Ensure all ventilation openings are clear and unobstructed. Proper airflow prevents overheating.
- **Power:** Disconnect the power cord from the wall outlet if the unit will not be used for an extended period.

TROUBLESHOOTING

If you encounter issues with your AVR-A10H, refer to the following common troubleshooting steps:

- **No Power:** Check the power cord connection and ensure the outlet is functional.
- **No Sound:** Verify speaker connections, input source selection, and volume level. Ensure mute is not activated.
- **No Video:** Check HDMI cable connections to both the source and display. Confirm the correct input is selected on the receiver and display.
- **Network Connection Issues:** Restart your router and the receiver. Ensure Wi-Fi antennas are properly connected if using wireless.
- **Remote Control Not Working:** Check and replace batteries. Ensure there are no obstructions between the remote and the receiver's IR sensor.

For more detailed troubleshooting or persistent issues, please consult the full user manual available on the Denon website or contact Denon customer support.

WARRANTY AND SUPPORT

The Denon AVR-A10H is covered by a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions. For technical assistance, product registration, or further inquiries, visit the official Denon website or contact their customer support services.

Denon Support: <https://www.denon.com/en-us/support>