

Denon AVR-S940H

Denon AVR-S940H 7.2 Channel 4K AV Receiver User Manual

Model: AVR-S940H

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1. INTRODUCTION

This manual provides essential instructions for the setup, operation, and maintenance of your Denon AVR-S940H 7.2 Channel 4K AV Receiver. Please read this manual thoroughly before using the unit to ensure correct and safe operation. Keep this manual for future reference.

The Denon AVR-S940H is designed to deliver high-quality audio and video performance, supporting advanced formats such as Dolby Atmos, DTS:X, 4K Ultra HD, HDR, and HLG. It features HEOS Built-in for multi-room audio streaming and voice control compatibility with Amazon Alexa.

2. SETUP

2.1 Unpacking and Contents

Carefully remove the receiver from its packaging. Ensure all accessories are present:

- Denon AVR-S940H AV Receiver
- Quick Start Guide
- Remote Controller
- AAA Batteries (2)
- Audyssey Setup Microphone
- FM/AM Antennas
- Wi-Fi/Bluetooth Antennas (2)

2.2 Connecting Your System

Before making any connections, ensure the receiver and all connected devices are powered off and unplugged from the wall outlet. Refer to the rear panel diagram for correct connection points.



Image: Denon AVR-S940H Rear Panel Connections. This image displays the comprehensive rear panel of the Denon AVR-S940H receiver, detailing all input and output ports for audio, video, network, and speaker connections. Key sections include HDMI inputs/outputs, digital audio inputs (optical, coaxial), analog audio inputs, speaker terminals for 7.2 channels, pre-outs, and antenna connections for Wi-Fi/Bluetooth and FM/AM.

1. **Speaker Connections:** Connect your speakers to the corresponding terminals on the rear panel. Ensure correct polarity (+ to + and - to -). The receiver supports 7.2 channels.
2. **HDMI Connections:** Connect your video sources (e.g., Blu-ray player, game console, cable/satellite box) to the HDMI INPUT ports. Connect your TV or projector to the HDMI OUT (MONITOR 1 or 2) port. Ensure your TV supports ARC (Audio Return Channel) if you wish to send audio from the TV back to the receiver via the HDMI cable.
3. **Digital Audio Connections:** For devices without HDMI, use OPTICAL or COAXIAL digital audio inputs.
4. **Analog Audio Connections:** For analog audio sources, use the RCA stereo inputs. The receiver includes a PHONO input for turntables.
5. **Network Connection:** For wired network access, connect an Ethernet cable to the NETWORK port. For wireless, ensure the Wi-Fi/Bluetooth antennas are securely attached.
6. **Power Connection:** Once all other connections are made, plug the power cord into a wall outlet.

2.3 Initial Setup and Audyssey Calibration

The Denon Setup Assistant will guide you through the initial configuration process on your TV screen. This includes speaker detection, network setup, and input assignment.

- **Audyssey MultEQ XT:** Use the supplied Audyssey microphone to perform automatic speaker calibration. This system measures all speakers in your home theater and optimizes them for your listening environment, ensuring balanced and accurate sound.

3. OPERATION

3.1 Basic Controls



Image: Denon AVR-S940H Front View. This image shows the front panel of the Denon AVR-S940H receiver, featuring the main display, input selector knob, master volume knob, and various control buttons for functions like quick select, zone control, and headphone output.

- **Power:** Press the power button on the front panel or remote to turn the unit on/off.
- **Source Select:** Use the SOURCE SELECT knob on the front panel or the input buttons on the remote to choose your desired input source (e.g., CBL/SAT, Blu-ray, Game).
- **Volume:** Adjust the MASTER VOLUME knob on the front panel or the VOLUME +/- buttons on the remote.
- **Quick Select Buttons:** Use the four Quick Select buttons on the front panel or remote to instantly recall preferred settings for specific sources.

3.2 Audio and Video Playback

The AVR-S940H supports various audio and video formats for an immersive home theater experience.

- **Surround Sound:** Enjoy multi-dimensional audio with Dolby Atmos and DTS:X. The receiver automatically detects the incoming audio format and applies the appropriate processing.
- **4K Ultra HD Video:** The receiver supports 4K video pass-through and upscaling, including Dolby Vision, HDR, and HLG, ensuring high-quality picture output to your display.

3.3 Network and Streaming Features

Utilize the built-in network capabilities for music streaming and control.

- **HEOS Built-in:** Stream music from popular services like Spotify, Pandora, and Tidal. HEOS allows for multi-room audio playback with compatible HEOS devices. Control HEOS functions via the dedicated HEOS app.
- **Bluetooth:** Connect Bluetooth-enabled devices for wireless audio streaming.
- **AirPlay:** Stream audio from Apple devices using AirPlay.

3.4 Voice Control with Amazon Alexa

The Denon AVR-S940H is compatible with Amazon Alexa for hands-free control. Ensure your receiver is connected to the network and the Denon HEOS Home Entertainment skill is enabled in the Alexa app.

- **Commands:** Use voice commands to adjust volume, change tracks, switch inputs, and more. For example, "Alexa, turn up the volume on the receiver" or "Alexa, switch to Blu-ray on the receiver."

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Video: Denon AV Receiver Overview. This video provides a general overview of Denon AV receivers, highlighting features such as 7.2 channel surround sound, 4K video support, HEOS multi-room audio, and Amazon Alexa voice control. It demonstrates the ease of setup with the on-screen assistant and the benefits of Audyssey audio optimization.

4. MAINTENANCE

4.1 Cleaning

To maintain the appearance of your receiver, wipe the cabinet and front panel with a soft, dry cloth. Do not use abrasive cleaners, waxes, or solvents. For stubborn dirt, lightly dampen the cloth with water and a mild detergent, then wipe dry.

4.2 Ventilation

Ensure adequate ventilation around the receiver to prevent overheating. Do not block the ventilation openings on the top, sides, or rear of the unit. Allow at least 4 inches (10 cm) of space above the unit and 2 inches (5 cm) on the sides.

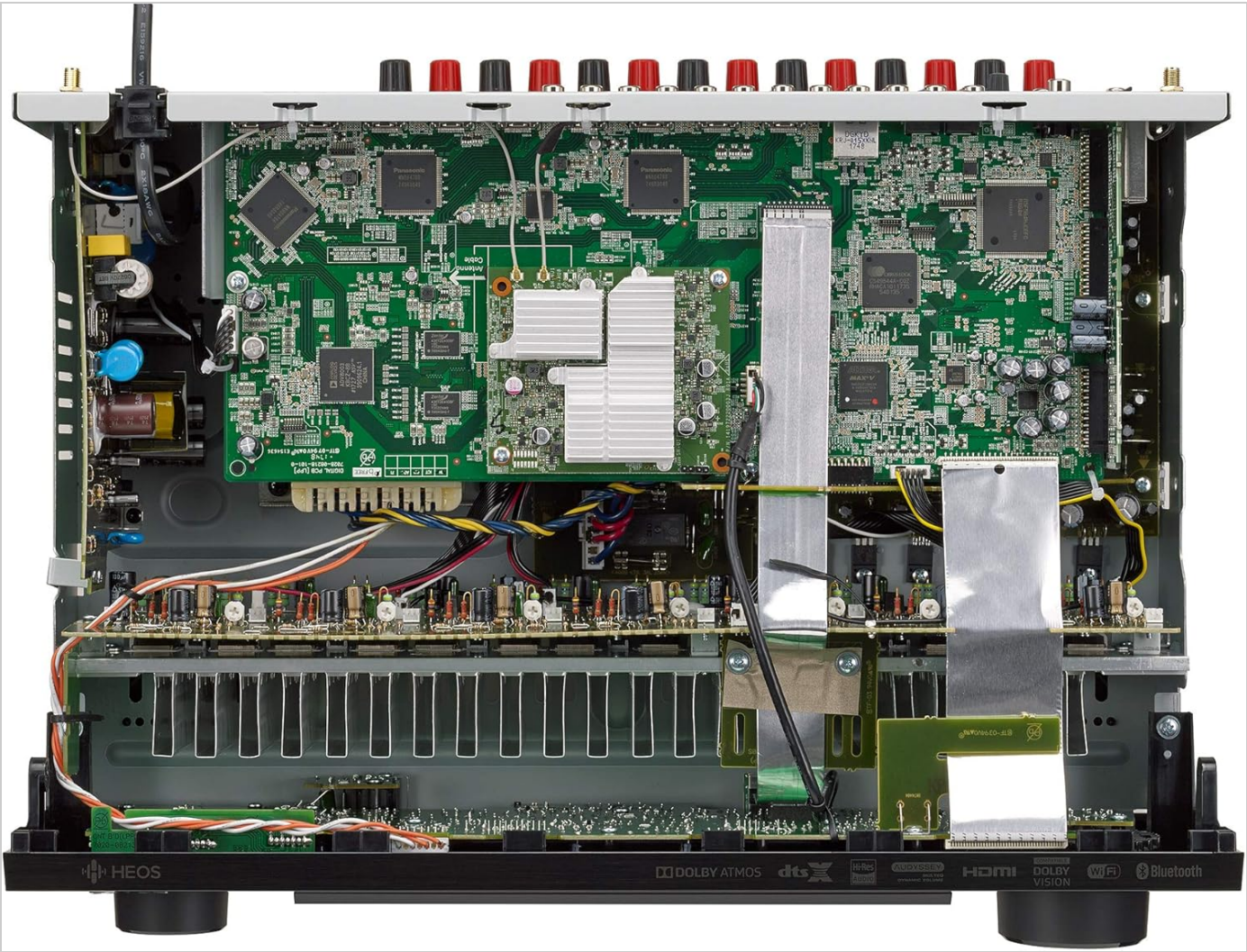


Image: Denon AVR-S940H Internal Components. This image provides an overhead view of the internal circuitry and components of the Denon AVR-S940H receiver, showcasing the layout of circuit boards, heat sinks, and wiring. This illustrates the complex engineering within the unit, emphasizing the importance of proper ventilation for optimal performance and longevity.

5. TROUBLESHOOTING

If you encounter issues with your Denon AVR-S940H, refer to the following common solutions before contacting customer support.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power	Power cord disconnected; power outage	Check power cord connection; verify power outlet functionality.
No sound	Incorrect input selected; speaker wires loose; volume too low; mute active	Select correct input; check speaker connections; increase volume; deactivate mute.
No video	Incorrect HDMI input/output; HDMI cable issue; TV input incorrect	Verify HDMI connections; try a different HDMI cable; select correct TV input.
Bluetooth connection issues	Device not in pairing mode; interference; receiver not in Bluetooth mode	Ensure device is in pairing mode; reduce distance; check for interference; select Bluetooth input on receiver.
Remote control not working	Dead batteries; obstructed signal path; incorrect remote mode	Replace batteries; remove obstructions; ensure remote is in the correct mode for the receiver.

6. SPECIFICATIONS

Key technical specifications for the Denon AVR-S940H receiver:

- **Channels:** 7.2
- **Power Output:** 185W per channel (specific conditions apply, refer to full specifications for details)
- **Video:** 4K Ultra HD Pass-through, Dolby Vision, HDR10, HLG, BT.2020, 4:4:4 Pure Color Sub-sampling, HDCP 2.2 support
- **Audio Formats:** Dolby Atmos, DTS:X, DTS Virtual:X
- **Connectivity:** 8 HDMI Inputs (1 front), 2 HDMI Outputs, Wi-Fi, Bluetooth, Ethernet, USB (front panel), Optical Digital Inputs (2), Coaxial Digital Input (1), Analog Audio Inputs (4), Phono Input (MM), Pre-outs (2.2 channel)
- **Dimensions (W x H x D):** 17.09 x 6.57 x 12.95 inches (434 x 167 x 329 mm)
- **Weight:** 18.54 lbs (8.4 kg)
- **Voice Control:** Amazon Alexa compatible
- **Multi-room Technology:** HEOS Built-in

7. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Denon website. Keep your proof of purchase for warranty claims.

Online Resources: For additional support, FAQs, and firmware updates, visit the Denon support page at www.denon.com/en-us/support.

