

Denon AVRS960H

Denon AVR-S960H 8K Ultra HD 7.2 Channel AV Receiver Instruction Manual

1. INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your Denon AVR-S960H 8K Ultra HD 7.2 Channel AV Receiver. Please read these instructions thoroughly to ensure proper use and to maximize your home theater experience.

2. PRODUCT OVERVIEW

The Denon AVR-S960H is a high-performance 7.2 channel AV receiver designed to deliver immersive audio and video for your home theater. It supports advanced audio and video formats, offering versatile connectivity and smart features.

Key Features:

- **7.2 Channel Amplification:** Delivers 90W per channel for powerful and dynamic sound.
- **3D Audio Support:** Compatible with Dolby Atmos, Dolby Atmos Height Virtualization Technology, DTS:X, and DTS Virtual:X for an immersive sound experience.
- **8K/4K Video Pass-through:** Supports 8K/60Hz and 4K/120Hz* pass-through and upscaling, including Dynamic HDR, HDR10, HDR10+, and HLG. (*Does not support pass-through from all 4K/120Hz media sources.)
- **Advanced Gaming Features:** Includes Variable Refresh Rate (VRR), Quick Frame Transport (QFT), and Auto Low Latency Mode (ALLM) for a smooth, lag-free gaming experience.
- **HDMI Connectivity:** Features 6 HDMI inputs and 2 HDMI outputs, all with HDCP 2.3 support and eARC on one output.
- **Wireless Music Streaming:** HEOS Built-in for multi-room audio, AirPlay 2, and Bluetooth connectivity.
- **Voice Control:** Works with Amazon Alexa, Google Assistant, Apple Siri, and Josh.ai for hands-free operation.
- **Setup Assistant & Audyssey MultEQ XT:** Guides you through setup and optimizes speaker settings for your room acoustics.

What's in the Box:

- Denon AVR-S960H AV Receiver
- Remote Control
- Setup Microphone
- FM/AM Antennas
- Power Cord
- Quick Start Guide
- AAA Batteries (x2)

Product Images:



Figure 1: Front view of the Denon AVR-S960H AV Receiver, showcasing its sleek black design and control knobs.



Figure 2: Denon AVR-S960H AV Receiver with its remote control and Audyssey setup microphone, illustrating the complete

package.

Product Videos:

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Video 1: Denon AVR X Series - Teaser. This video provides a brief overview of the Denon AVR X Series, highlighting key features and design elements.

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Video 2: Denon AVR-S960H - Product Overview. This video offers a detailed look at the Denon AVR-S960H, including its front panel controls, rear connections, and on-screen setup menus.

3. SETUP

3.1 Initial Setup

The Denon AVR-S960H features an award-winning on-screen Setup Assistant to guide you through the initial configuration process. Connect your receiver to your TV via HDMI and follow the on-screen prompts.

3.2 Speaker Connection

The receiver supports a 7.2 channel speaker configuration. Connect your speakers to the corresponding terminals on the rear panel. For optimal sound quality and ease of connection, using banana plugs is recommended. Ensure correct polarity (positive to positive, negative to negative) for all speaker connections.

3.3 HDMI Connections

Connect your video sources (e.g., Blu-ray player, gaming console, cable/satellite box) to the HDMI input ports (HDMI IN 1-6) on the rear of the receiver. Connect your TV or projector to one of the HDMI OUT ports. The HDMI OUT (MONITOR1) supports eARC for enhanced audio return from your TV.

3.4 Network Setup

Connect the receiver to your home network via Wi-Fi (using the included antennas) or an Ethernet cable. Network connectivity enables firmware updates, access to streaming services, and HEOS multi-room audio functionality.

3.5 Audyssey MultEQ XT Calibration

Use the included Audyssey setup microphone to automatically calibrate your speakers for your listening environment. Place the microphone at your primary listening position and follow the on-screen instructions. This process optimizes speaker levels, distances, and crossovers for the best possible sound.

4. OPERATING INSTRUCTIONS

4.1 Input Selection

Select your desired input source using the 'Source Select' knob on the front panel or the corresponding quick select buttons (CBL/SAT, DVD/Blu-ray, Game, HEOS Music) on the front panel or remote control.

4.2 Sound Modes

The receiver offers various sound modes to optimize audio for different content types. Use the 'Sound Mode' buttons (Movie, Music, Game, Pure) on the front panel or remote to switch between modes.

4.3 Voice Control

The Denon AVR-S960H is compatible with Amazon Alexa, Google Assistant, Apple Siri, and Josh.ai. Enable the Denon skill/action on your preferred voice assistant device and link your receiver to control functions like volume, input selection, and playback using voice commands.

4.4 HEOS Multi-Room Audio

Utilize HEOS Built-in to stream music wirelessly to other HEOS-enabled devices throughout your home. Download the HEOS app to control your music and create multi-room listening zones.

5. MAINTENANCE

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Ventilation:** Ensure adequate ventilation around the receiver to prevent overheating. Do not block ventilation openings.
- **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, first check all cable connections, ensuring they are secure. Verify power supply to the receiver and connected devices. For common issues, refer to the on-screen Setup Assistant. For persistent problems, consult the full user manual available online or contact Denon customer support.

7. SPECIFICATIONS

Feature	Detail
Model Number	AVRS960H
Surround Sound Channels	7.2 Channel
Power Output	90 Watts per channel (7 channels)
HDMI Inputs	6
HDMI Outputs	2 (1 with eARC)
Video Support	8K/60Hz, 4K/120Hz, HDR10+, Dynamic HDR, HLG, Dolby Vision, HDCP 2.3
Audio Formats	Dolby Atmos, DTS:X, Dolby Atmos Height Virtualization, DTS Virtual:X
Wireless Connectivity	Wi-Fi, Bluetooth, AirPlay 2, HEOS Built-in
Voice Control	Amazon Alexa, Google Assistant, Apple Siri, Josh.ai
Dimensions (W x D x H)	17.1 x 13 x 6.6 inches
Weight	21 pounds
Batteries Required	2 AAA batteries (for remote)

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Denon AVR-S960H AV Receiver comes with a 2-year limited warranty. Please retain your proof of purchase for warranty claims. For full warranty terms and conditions, refer to the documentation included with your product or visit the official Denon website.

8.2 Customer Support

For technical assistance, product inquiries, or service requests, please contact Denon customer support. Contact information can typically be found on the Denon official website or in your product's Quick Start Guide.