

# denon avr s650h manual

## Denon AVR S650H Manual

The Denon AVR S650H is a versatile audio/video receiver that caters to both casual listeners and audiophiles alike. This manual aims to provide a comprehensive guide to understanding the features, setup, and operation of the AVR S650H. Whether you are looking to connect your home theater system, calibrate audio settings, or utilize the wide range of streaming options, this guide will walk you through every step of the way.

## Overview of the Denon AVR S650H

The Denon AVR S650H is a 5.2 channel AV receiver designed to deliver an enhanced home theater experience. It supports various audio formats and comes equipped with features that allow users to enjoy their favorite media with high-quality sound. Below are some of the key specifications and features:

### Key Features

- 5.2 Channel Amplification: Supports up to 5.2 channels, allowing for immersive surround sound setups.
- Dolby Atmos and DTS:X: Offers advanced audio formats for a three-dimensional sound experience.
- 4K Ultra HD Support: Pass-through and upscaling capabilities for 4K content.
- HDMI Inputs and Outputs: Multiple HDMI inputs (5) and outputs (1) for connecting various devices.
- Built-in Bluetooth and Wi-Fi: Stream music directly from your devices or access online services.
- Voice Control Compatibility: Works with popular voice assistants for hands-free control.
- Mobile App Control: Use the Denon app for easy control and configuration.

## Setting Up Your Denon AVR S650H

Setting up your Denon AVR S650H is straightforward, but it's essential to follow the steps for optimal performance. Below is a step-by-step guide to help you through the installation process.

### Unpacking the Receiver

1. Box Contents: Carefully unpack the AVR S650H and ensure you have the following items:

- Denon AVR S650H unit
- Remote control with batteries
- AM/FM antennas
- Quick start guide
- Power cord
- Calibration microphone
- Warranty information

2. Placement: Choose a suitable location for your receiver. Ensure it's well-ventilated and away from direct sunlight or heat sources.

## **Connecting Your Devices**

### 1. Speaker Connections:

- Use speaker wire to connect your speakers to the appropriate terminals on the back of the receiver.
- Ensure polarity is maintained (positive to positive, negative to negative).

### 2. HDMI Connections:

- Connect your source devices (like Blu-ray players, gaming consoles, etc.) to the HDMI inputs on the rear panel.
- Connect your TV to the HDMI OUT port.

### 3. Audio Connections:

- For devices without HDMI, use optical or coaxial cables for audio input.

### 4. Network Connection:

- Connect to your home Wi-Fi network using the built-in Wi-Fi or via Ethernet using an Ethernet cable.

## **Powering On the Receiver**

Once everything is connected:

1. Plug the power cord into an outlet.
2. Press the power button on the front panel or use the remote control.
3. The receiver will go through an initial setup process.

## **Initial Configuration**

Upon powering on your Denon AVR S650H for the first time, you will need to perform initial configurations to customize your settings.

## **On-Screen Setup**

1. Language Selection: Choose your preferred language.
2. Speaker Setup: Use the included calibration microphone to automatically configure the speaker settings. This will help the receiver measure distances and levels.
3. Network Setup: Connect to your Wi-Fi network or configure Ethernet settings if you haven't done so already.

## **Video Setup**

1. Choose the video resolution that matches your TV's capabilities.
2. Configure the HDMI settings as per your requirements.

## **Using the Denon AVR S650H**

Once set up, you can start using your Denon AVR S650H to enhance your home entertainment experience.

## **Listening to Music**

1. Streaming Services: Access popular streaming services like Spotify, Tidal, or others via the built-in network features.
2. Bluetooth: Pair your smartphone or tablet with the receiver for wireless music streaming.

## **Watching Movies and TV Shows**

1. Select the Input: Use the remote control or the front panel to select the input source (HDMI, Optical, etc.).
2. Audio Mode: Choose the appropriate audio mode based on the content you are watching (Dolby Atmos, Direct, etc.).

## **Advanced Features**

The Denon AVR S650H is loaded with advanced features, which enhance its usability and functionality.

## Multi-Room Audio (Zone 2)

The AVR S650H supports multi-room audio, allowing you to play different audio in different rooms. To set this up:

1. Connect additional speakers to the Zone 2 output.
2. Use the Denon app or remote control to select the audio source for Zone 2.

## Voice Control Integration

1. Compatible Assistants: The receiver works with Amazon Alexa, Google Assistant, and Apple Siri.
2. Voice Commands: Use voice commands to control playback, adjust volume, or switch inputs.

## Troubleshooting Common Issues

As with any electronic device, you may encounter issues while using the Denon AVR S650H. Here are some common problems and their solutions:

### Receiver Doesn't Power On

- Check Power Connection: Ensure the power cord is securely connected to both the receiver and the outlet.
- Check Power Outlet: Try plugging another device into the outlet to ensure it's working.

### No Sound from Speakers

- Check Speaker Connections: Ensure that all speaker wires are connected correctly.
- Volume Level: Verify that the volume is not muted or turned down too low.

### Wi-Fi Connectivity Issues

- Network Check: Ensure your Wi-Fi network is functioning and that the receiver is within range.
- Reconfigure Network Settings: Go through the network setup again to check for errors.

# Maintenance and Care

To keep your Denon AVR S650H in optimal condition, consider the following maintenance tips:

1. **Keep It Ventilated:** Ensure that there's adequate airflow around the receiver to prevent overheating.
2. **Regular Updates:** Keep the firmware updated through the Denon website or the mobile app.
3. **Clean Regularly:** Dust the unit gently with a soft cloth to keep it looking new.

## Conclusion

The Denon AVR S650H is an exceptional AV receiver that offers a wealth of features designed to enhance your audio and video experience. With its easy setup process, extensive connectivity options, and advanced audio technologies, it stands out as a strong choice for anyone looking to elevate their home entertainment system. By following this manual, you can fully utilize the capabilities of your Denon AVR S650H and enjoy a truly immersive audio-visual experience. Whether you are watching movies, playing games, or listening to music, the AVR S650H is equipped to deliver exceptional performance.

## Frequently Asked Questions

### **Where can I find the Denon AVR S650H user manual online?**

You can find the Denon AVR S650H user manual on the official Denon website under the support section, or you can search for 'Denon AVR S650H manual PDF' to access downloadable versions.

### **What are the key features of the Denon AVR S650H?**

The Denon AVR S650H features 5.2 channel surround sound, built-in HEOS for multi-room audio, support for 4K Ultra HD, HDR10, Dolby Vision, and Amazon Alexa compatibility.

### **How do I set up the Denon AVR S650H for the first time?**

To set up the Denon AVR S650H, connect it to your TV and speakers, power it on, then follow the on-screen setup guide using the remote control to configure your audio settings and network.

## **What should I do if my Denon AVR S650H is not connecting to Wi-Fi?**

If your Denon AVR S650H is not connecting to Wi-Fi, ensure your network is functioning correctly, check the Wi-Fi settings in the AVR menu, and try rebooting both the receiver and your router.

## **Can I use the Denon AVR S650H with a 4K TV?**

Yes, the Denon AVR S650H is fully compatible with 4K TVs, supporting HDMI 2.0 with HDR, allowing for high-quality video and audio transmission.

## **How do I update the firmware on the Denon AVR S650H?**

To update the firmware on the Denon AVR S650H, go to the setup menu, select 'Firmware Update', and follow the prompts to check for and install the latest firmware version.

## **What types of audio formats does the Denon AVR S650H support?**

The Denon AVR S650H supports various audio formats, including Dolby Atmos, DTS:X, Dolby TrueHD, DTS-HD Master Audio, and various compressed formats like MP3 and AAC.

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