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› Denon AVRS640H AV Receiver Instruction Manual

Denon AVRS640H

Denon AVRS640H AV Receiver Instruction Manual

Comprehensive guide for setting up and operating your Denon AVRS640H 5.2 Channel AV Receiver.

INTRODUCTION

This manual provides detailed instructions for the Denon AVRS640H 5.2 Channel AV Receiver. It covers essential information for setup, operation, and understanding the features of your new audio-video component receiver. Please read this manual thoroughly before using the product to ensure correct and safe operation.



Image: Front view of the Denon AVRS640H AV Receiver, showcasing its sleek black design and control panel.

KEY FEATURES

- **5.2 Channel Surround Sound:** Experience multi-dimensional audio with 5.2 channel compatibility.
- **4K Ultra HD Video Support:** Supports Dolby Vision, HDR, HLG, BT.2020, Wide Color Gamut, and 4:4:4 Pure Color sub-sampling for stunning 4K video quality.

- **High Power Amplification:** Features 5 amplifiers delivering 150W per channel for powerful and immersive sound.
- **Wireless Connectivity:** Built-in Wi-Fi, AirPlay, and Bluetooth for streaming music from various services like Spotify, Pandora, Tidal, and more.
- **Voice Control:** Compatible with Amazon Alexa for hands-free control of volume, tracks, and inputs.
- **Easy Setup Assistant:** On-screen setup assistant provides clear, simple instructions for connecting to your TV and optimizing surround sound.
- **Quick Select Buttons:** Four front-panel quick select buttons to store and switch between preferred audio settings for specific sources.
- **Color-Coded Connections:** Rear-panel connections are horizontally arranged and color-coded for easy speaker wire organization and connection.
- **USB Playback:** Front-panel USB port for convenient audio playback of MP3, WAV, FLAC, ALAC, and DSD (2.8/5.6MHz) files.

SETUP GUIDE

Follow these steps to set up your Denon AVRS640H receiver for optimal performance.

1. Unpacking and Placement

- Carefully remove the receiver and all accessories from the packaging.
- Place the receiver on a stable, flat surface with adequate ventilation around it. Avoid placing it in an enclosed cabinet without proper airflow.

2. Connecting Speakers

The rear panel features color-coded speaker terminals for easy identification. Ensure correct polarity (+ to + and - to -) for each speaker.



Image: Rear panel of the Denon AVRS640H AV Receiver, showing color-coded speaker terminals and various input/output ports.

- Connect your front left, front right, center, and surround speakers to the corresponding terminals.
- If using a subwoofer, connect it to the "SUBWOOFER PRE OUT" port.

3. Connecting Video Sources (HDMI)

Use HDMI cables to connect your video sources (e.g., Blu-ray player, game console, cable box) to the HDMI input ports on the receiver. Connect your TV to the HDMI OUT (ARC) port.

- The receiver has 5 HDMI inputs at 4K/60 Hz with full-rate pass-through and HDCP 2.2 support.

4. Network and Power Connection

- Connect the receiver to your home network via an Ethernet cable or Wi-Fi.
- Plug the power cord into the receiver and then into a wall outlet.

5. Initial Setup Assistant

Upon first power-on, the Denon Setup Assistant will guide you through the initial configuration, including speaker calibration and network settings. Follow the on-screen prompts.

Your browser does not support the video tag.

Video: An official Denon video demonstrating the setup process and key features of the AV receiver, including connectivity and sound optimization.

OPERATION

1. Basic Controls



Image: Front panel of the Denon AVRS640H AV Receiver alongside its remote control, highlighting accessible buttons and display.

- **Power:** Use the power button on the front panel or remote to turn the receiver on/off.
- **Source Select:** Rotate the "SOURCE SELECT" knob or use the input buttons on the remote to choose your desired input source (e.g., Blu-ray, TV Audio, Game).
- **Volume:** Adjust the "MASTER VOLUME" knob or use the volume buttons on the remote.
- **Quick Select:** Utilize the four "QUICK SELECT" buttons (1-4) on the front panel or remote to instantly recall your preferred audio settings for specific sources.

2. Streaming Music

The receiver supports various streaming options:

- **HEOS:** Use the built-in HEOS technology to stream music from services like Spotify, Pandora, Tidal, and more

throughout your home. Control via the HEOS app.

- **Bluetooth:** Pair your mobile device via Bluetooth to stream audio wirelessly.
- **AirPlay:** Stream audio from Apple devices using AirPlay.
- **USB Playback:** Connect a USB drive to the front-panel USB port to play compatible audio files.

3. Voice Control with Amazon Alexa

The Denon AVRS640H is compatible with Amazon Alexa for hands-free control. Ensure your Alexa-enabled device is set up and linked to your receiver through the Alexa app.

- To adjust volume, say: "Alexa, turn up/down My Receiver."
- To change tracks: "Alexa, next track on My Receiver."
- To switch inputs: "Alexa, switch to Blu-ray on My Receiver."

MAINTENANCE

To ensure the longevity and optimal performance of your Denon AVRS640H receiver, follow these general maintenance guidelines:

- **Cleaning:** Gently wipe the exterior surfaces with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or chemical sprays.
- **Ventilation:** Ensure that the ventilation openings on the top and sides of the receiver are not blocked. 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 Denon AVRS640H, refer to the following common troubleshooting tips. For more detailed solutions, consult the comprehensive user manual available on the Denon support website.

- **No Power:**
 - Check if the power cord is securely connected to both the receiver and the wall outlet.
 - Ensure the power outlet is functional.
- **No Sound:**
 - Verify that the correct input source is selected.
 - Check all speaker connections for proper polarity and secure fit.
 - Ensure the volume is not muted or set too low.
 - Confirm that your speakers are properly configured in the setup menu.
- **No Video:**
 - Check HDMI cable connections between the source, receiver, and TV.
 - Ensure the TV is set to the correct HDMI input.
 - Verify that the video source is powered on and functioning.
- **Remote Control Not Working:**
 - Replace the batteries in the remote control.
 - Ensure there are no obstructions between the remote and the receiver's IR sensor.

SPECIFICATIONS

Brand	Denon
Model Number	AVRS640H
Product Dimensions	13.35 x 17.09 x 5.94 inches
Item Weight	18.74 pounds
Surround Sound Channel Configuration	5.2 Channel
Total HDMI Ports	6 (5 inputs, 1 output)
Video Encoding Support	H.265 (HEVC), VP9, HDR, Dolby Vision
Connectivity Technology	Bluetooth, HDMI, USB, Wi-Fi
Controller Type	Amazon Alexa, Vera
Batteries	2 AA batteries required (included)
Color	Black

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official Denon website or contact Denon customer service. Keep your purchase receipt for warranty claims.

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