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> Denon AVR-X250BT 5.1 Ch. 4K Ultra HD AV Receiver User Manual

Denon AVR-X250BT

Denon AVR-X250BT 5.1 Ch. 4K Ultra HD AV Receiver with Bluetooth

Model: AVR-X250BT

1. PRODUCT OVERVIEW

The Denon AVR-X250BT is a 5.1 channel AV receiver designed to deliver a quality home theater experience. It provides 130W of power per channel and supports Full 4K Ultra HD video. This receiver features five HDMI inputs, with three supporting HDCP 2.2, allowing for connection of various media components and gaming systems. Built-in Bluetooth enables wireless music streaming from compatible devices. The AVR-X250BT is part of the Denon X-Series line-up, offering advanced video capabilities and user-friendly setup.



Front view of the Denon AVR-X250BT AV Receiver, showcasing its sleek black design and front panel controls.

2. SETUP AND CONNECTIONS

Setting up your Denon AVR-X250BT is streamlined with the included Quick Start Guide and the on-screen Setup Assistant. This guide provides clear instructions to get your system operational quickly.

2.1 Initial Setup

- Connect your television to the AVR-X250BT via an HDMI cable.
- Once connected, the exclusive Denon Setup Assistant will appear on your TV screen, guiding you through each step of the setup process.

2.2 Speaker Connections

The AVR-X250BT features color-coded speaker connections arranged horizontally on the rear panel, simplifying the process of organizing and connecting speaker wires for your 5.1 channel setup.

- Ensure all speakers are correctly wired to their corresponding terminals (Front L/R, Center, Surround L/R).
- Connect your subwoofer to the dedicated subwoofer pre-out.



Rear panel of the Denon AVR-X250BT, showing HDMI inputs/output, speaker terminals, and other audio/video connections.

2.3 HDMI and Other Inputs

The receiver is equipped with five HDMI inputs, supporting 4K/60 Hz full-rate pass-through and HDCP 2.2 on three of these inputs. This allows for connection of various high-definition sources.

- Connect your Blu-ray player, gaming console, or set-top box to the available HDMI inputs.
- Additional analog and digital audio inputs are available for other devices.

3. OPERATING INSTRUCTIONS

The AVR-X250BT offers various ways to enjoy your audio and video content.

3.1 Wireless Music Streaming (Bluetooth)

Stream music wirelessly from your smartphone, tablet, or computer using the built-in Bluetooth functionality. The receiver can remember up to eight paired Bluetooth devices.

- To initiate streaming, select the "Denon AVR-X250BT" from the Bluetooth menu on your smart device.

3.2 Video Pass-Through

Experience high-quality video with support for Full 4K Ultra HD, HDR (High Dynamic Range), BT.2020, Wide Colour Gamut, 4:4:4 Pure Colour sub-sampling, 21:9 and 3D video pass-through, and HLG (Hybrid Log-Gamma) pass-through. This ensures exceptional color, clarity, and contrast for your viewing experience.

3.3 HEOS Link Compatibility

For expanded wireless music streaming and multi-room audio capabilities, the AVR-X250BT can be connected to the Denon HEOS Link (sold separately). This integration allows access to numerous online streaming services and enables synchronized or independent audio playback across multiple rooms.

- With the HEOS Link, you can control your HEOS experience using Amazon Alexa voice commands.



Close-up of the Denon AVR-X250BT's front panel, highlighting the Quick Select buttons for easy source switching.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Denon AVR-X250BT.

- **Cleaning:** Regularly wipe the exterior surfaces with a soft, dry cloth. Avoid using abrasive cleaners or solvents, which can damage the finish.
- **Ventilation:** Ensure adequate ventilation around the receiver. Do not block the ventilation openings on the top, sides, or rear of the unit. Allow sufficient space for airflow to prevent overheating.
- **Power Cord:** Periodically check the power cord for any signs of damage. If damaged, discontinue use and contact a qualified service technician.
- **Storage:** If storing the unit for an extended period, disconnect it from the power outlet and store it in a cool, dry place away from direct sunlight and extreme temperatures.

5. TROUBLESHOOTING

If you encounter issues with your AVR-X250BT, consider the following basic troubleshooting steps:

- **No Power:**
 - Ensure the power cord is securely plugged into both the receiver and a working wall outlet.
 - Check if the power outlet is active by plugging in another device.
- **No Sound:**
 - Verify that all speaker wires are correctly connected to both the receiver and the speakers.
 - Check the input source selection on the receiver to ensure it matches the device you are trying to play.
 - Confirm that the volume is not muted or set too low.
 - Ensure the correct audio output settings are selected on your source device (e.g., TV, Blu-ray player).
- **No Video:**
 - Check all HDMI cable connections between the source device, the receiver, and the TV.
 - Ensure the correct HDMI input is selected on both the receiver and the TV.
 - Try connecting the source device directly to the TV to rule out the receiver as the issue.
- **Bluetooth Connection Issues:**
 - Ensure Bluetooth is enabled on your smart device and the receiver is in Bluetooth pairing mode.
 - Move your device closer to the receiver to improve signal strength.
 - Clear the paired device list on your smart device and try pairing again.

For more complex issues, refer to the comprehensive user manual or contact Denon customer support.

6. SPECIFICATIONS

Feature	Detail
Brand	Denon
Model Name	AVR-X250BT
Product Dimensions	31.9 x 43.4 x 15.1 cm
Item Weight	7.5 kg
Amplifier Type	Transistor
Audio Wattage	130 Watts per channel (6 Ohms, 1kHz, 1% 1 Ch. Drive)
Speaker Surround Sound Channel Configuration	5.1
Speaker Connectivity	Wireless (Bluetooth)

Feature	Detail
Voltage	230 Volts
Wattage (Power Consumption)	330 Watts
Signal-to-noise ratio (dB)	98 dB
Connector Type	Bluetooth, HDMI
Total HDMI Ports	5 (3 with HDCP 2.2 support)
Special Features	Multiroom (via HEOS Link, sold separately)
Compatible Devices	Speaker
Audio Encoding	Surround (Dolby True HD, DTS-HD)
Video Support	4K Ultra HD, HDR, BT.2020, Wide Colour Gamut, 4:4:4 Pure Colour sub-sampling, 21:9, 3D, HLG

7. WARRANTY AND SUPPORT

According to the product information, there is **no warranty** for this product. Please review the terms of purchase carefully. For technical assistance or inquiries regarding your Denon AVR-X250BT, please contact Denon customer support or refer to the official Denon website for further resources and contact information. You may also visit the [Denon Store on Amazon](#) for additional product information and accessories.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Why is there no sound from the front right speaker on my Denon AVR-X250BT in Stereo mode, even though both front speakers work in Multi Channel Stereo mode?

Based on your description that the speaker works in Multi Channel Stereo but not in standard Stereo, the issue is likely related to the input signal or internal settings rather than a hardware failure...

[Read full answer](#)