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Denon AVR2312CI

Denon AVR2312CI Integrated Network A/V Surround Receiver User Manual

Model: AVR2312CI

1. Introduction

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of the Denon AVR2312CI Integrated Network A/V Surround Receiver. Please read this manual thoroughly before using the unit to ensure proper operation and to maximize your enjoyment of its features.
The Denon AVR2312CI is an Integrated Network A/V Surround Receiver designed to manage and deliver digital media content throughout a home entertainment system, offering high-definition sound quality and versatile connectivity options.

2. Product Overview

2.1 Key Features

- 7.2-channel Integrated Network A/V Receiver
- HDMI 1.4a with 7 inputs and 1 output, supporting 3D content
- AirPlay compatibility for wireless audio streaming
- Discrete power amplifiers rated at 105 watts per channel
- Dual subwoofer outputs
- iPod connectivity

2.2 Front Panel Controls

The front panel of the Denon AVR2312CI provides essential controls and indicators for daily operation.



Figure 1: Front panel view of the Denon AVR2312CI Integrated Network A/V Surround Receiver. This image displays the main display, input selectors, volume knob, quick select buttons, and front-facing input ports including HDMI, video, audio, and setup mic.

- **Power Button (ON/STANDBY):** Located on the lower left, used to turn the unit on or off.
- **Source Select Knob:** On the left, used to choose input sources.
- **Master Volume Knob:** On the right, adjusts the overall sound level.
- **Display Panel:** Shows current input, sound mode, and other operational information.
- **Quick Select Buttons (1-4):** Allow for quick recall of preferred settings for specific sources.
- **Front Inputs:** Includes HDMI 7, V.AUX Input (Video, L-Audio, R-Audio), USB/iPod port, and Setup Mic port.

3. Setup

3.1 Unpacking and Placement

Carefully remove the receiver from its packaging. Place the unit on a stable, level surface with adequate ventilation to prevent overheating. Avoid placing it near heat sources or in direct sunlight.

3.2 Speaker Connections

Connect your speakers to the appropriate terminals on the rear panel. Ensure correct polarity (+ to + and - to -) for all speakers. The AVR2312CI supports a 7.2 channel configuration.

3.3 Audio and Video Connections (HDMI, Analog, Digital)

- **HDMI Connections:** Use HDMI cables to connect your video sources (e.g., Blu-ray player, game console, cable box) to the HDMI input ports (HDMI 1-7) on the receiver. Connect the receiver's HDMI output to your TV or projector.
- **Analog Audio/Video:** For devices without HDMI, use RCA cables for analog audio and composite/component video connections.
- **Digital Audio:** Optical or coaxial digital audio inputs are available for devices like CD players or older game consoles.

3.4 Network Connection

Connect the receiver to your home network using an Ethernet cable for access to internet radio, streaming services, and AirPlay functionality.

3.5 Initial Power-On and Setup Assistant

After all connections are made, plug the power cord into an AC outlet. Turn on the receiver using the ON/STANDBY button. The on-screen setup assistant will guide you through initial configurations, including speaker setup and network settings.

3.6 Audyssey Room Correction

Utilize the included setup microphone and the Audyssey MultEQ XT room correction system to automatically calibrate your speakers for optimal sound performance in your listening environment. Follow the on-screen instructions during the setup process.

4. Operating Instructions

4.1 Basic Operation

- **Power On/Off:** Press the ON/STANDBY button on the front panel or remote control.
- **Input Selection:** Rotate the SOURCE SELECT knob or use the input buttons on the remote to choose your desired source (e.g., Blu-ray, TV, CD).
- **Volume Adjustment:** Use the MASTER VOLUME knob or the volume buttons on the remote control.

4.2 Sound Modes

The receiver offers various sound modes to enhance your listening experience. Refer to the on-screen menu for available options such as Dolby Digital, DTS, Stereo, and Denon's proprietary sound modes. Select the mode that best suits your content and preference.

4.3 Network Features (AirPlay, Internet Radio, Streaming Services)

Once connected to your network, you can access:

- **AirPlay:** Stream audio wirelessly from compatible Apple devices.
- **Internet Radio:** Access a wide range of internet radio stations.
- **Streaming Services:** Enjoy integrated streaming services like Pandora and Spotify (subscription may be required).

4.4 Zone 2 Operation

The AVR2312CI supports Zone 2, allowing you to enjoy a separate audio source in another room. Refer to the remote control and on-screen menu for Zone 2 activation and source selection.

5. Maintenance

To ensure the longevity and optimal performance of your Denon AVR2312CI, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the unit. Avoid abrasive cleaners or solvents.
- **Ventilation:** Ensure that the ventilation openings on the top and sides of the receiver are not blocked. Proper airflow is crucial to prevent overheating.
- **Power Cord:** Periodically check the power cord for any damage.

6. Troubleshooting

If you encounter issues with your Denon AVR2312CI, consult the following common troubleshooting steps:

Problem	Possible Cause	Solution
No power	Power cord disconnected; unit in standby mode; internal fault.	Check power cord connection. Press ON/STANDBY button. If issue persists, contact support.
No sound	Incorrect input selected; volume too low; speakers disconnected; mute activated; incorrect sound mode.	Verify input source. Increase volume. Check speaker connections. Deactivate mute. Select appropriate sound mode.
No video	Incorrect input selected; HDMI cable disconnected or faulty; TV input incorrect.	Verify input source. Check HDMI cable connections. Ensure TV is on correct input.
Network features not working	Ethernet cable disconnected; network settings incorrect; router issue.	Check Ethernet cable. Review network settings in the receiver menu. Restart your router.
Difficulty with user interface/controls	Unfamiliarity with menu structure; remote control issues.	Refer to the detailed remote control section in the full manual (if available). Ensure remote batteries are fresh.

For more complex issues, please refer to the comprehensive online support resources or contact Denon customer service.

7. Specifications

Feature	Detail
Model Number	AVR2312CI
Brand	Denon
Product Dimensions	15 x 17.1 x 6.7 inches
Item Weight	24 pounds
Connectivity Technology	Wired
Total HDMI Ports	8 (7 In / 1 Out)
Audio Output Mode	Surround
Surround Sound Channel Configuration	7.2
Special Features	AirPlay Ready, Dual Subwoofer Outputs, 3D Visuals Support, iPod Connectivity
Compatible Devices	Game Console, Blu-ray players, etc.
Video Encoding	H.264, H.265/HEVC
Batteries	2 AAA batteries required (included for remote)
Date First Available	May 1, 2011

8. Warranty and Support Information

For warranty details, product registration, and technical support, please visit the official Denon website or contact Denon customer service. Keep your purchase receipt as proof of purchase for warranty claims.
Online resources may include FAQs, firmware updates, and additional detailed manuals.

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.

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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.

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