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Denon DRA-800H 2-Channel Stereo Network Receiver Instruction Manual

Denon DRA-800H

Denon DRA-800H 2-Channel Stereo Network Receiver

Model: DRA-800H

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1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient operation of your Denon DRA-800H 2-Channel Stereo Network Receiver. The DRA-800H is designed to deliver a premium stereo listening experience, integrating Hi-Fi amplification, network streaming capabilities, and advanced AV receiver technologies. Please read this manual thoroughly before using the unit and keep it for future reference.



Figure 1: The Denon DRA-800H Stereo Network Receiver integrated into a modern living room audio setup.

2. SAFETY INSTRUCTIONS

To ensure safe operation and prevent damage, observe the following precautions:

- **Power Source:** Connect the unit only to the type of power source indicated on the unit.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Water and Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids on the unit.
- **Heat:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- **Cables:** Protect power cords from being walked on or pinched.
- **Servicing:** Refer all servicing to qualified service personnel.

3. WHAT'S IN THE BOX

Upon unpacking your Denon DRA-800H, please verify that all the following items are included:

- Denon DRA-800H Stereo Network Receiver
- Quick Start Guide
- Remote Control
- 2 AA Batteries (for remote control)

4. PRODUCT OVERVIEW

The Denon DRA-800H is a versatile 2-channel stereo network receiver designed for both Hi-Fi audio and home theater integration. It features a high-performance discrete amplifier and a range of connectivity options.

Key Features:

- **High-Performance Discrete 2-Channel Amplifier:** Delivers 100W per channel (at 8 ohms) for detailed and precise audio imaging.
- **Expert Sound Engineering:** Utilizes Hi-Fi parts, custom resistors, audio-grade capacitors, and a double differential DAC circuit for superior sound.
- **Advanced HDMI Video Section:** Five 4K Ultra HD 60Hz HDMI inputs with 4:4:4 Pure Color sub-sampling, HDR10, HLG, and BT.2020 pass-through. Features ARC for TV audio.
- **Multi-Room Streaming:** Built-in HEOS technology supports popular streaming services like Pandora, Spotify, Amazon Prime Music via Bluetooth, Wi-Fi, or AirPlay 2.
- **Voice Control Compatibility:** Works with Amazon Alexa, Siri, and other leading voice agents for convenient control.
- **Hi-Res Audio Playback:** Supports MP3, WAV, FLAC, ALAC, and DSD (2.8/5.6MHz) files via USB or network sources.
- **Integrated Phono Input:** Connect your turntable directly with the built-in MM equalizer.
- **Flexible Speaker Outputs:** A/B speaker terminals support bi-wiring, along with dual subwoofer pre-outs.



Figure 2: Front panel of the Denon DRA-800H, showing controls and display.

5. SETUP

5.1 Unpacking and Placement

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

5.2 Connecting Your Devices

Refer to the rear panel diagram below for connection points.



Figure 3: Rear panel connections of the Denon DRA-800H.

HDMI Connections:

- Connect your TV to the **HDMI OUT (ARC)** port.
- Connect your source devices (Blu-ray player, game console, media player) to the **HDMI IN** ports (1-5).

Speaker Connections:

- Connect your left and right speakers to the **SPEAKERS A** terminals. Ensure correct polarity (+ to + and - to -).
- For bi-wiring or a second pair of speakers, use the **SPEAKERS B** terminals.
- Connect powered subwoofers to the **PRE OUT SUBWOOFER** jacks.

Audio Connections:

- **Phono Input:** Connect your turntable to the **PHONO** input and ensure the ground wire is connected to the **SIGNAL GND** terminal.
- **Digital Audio:** Use **OPTICAL** or **COAXIAL** inputs for digital audio sources.
- **Analog Audio:** Use **AUDIO IN** (RCA) for other analog audio sources.

Network Connection:

- For a wired connection, connect an Ethernet cable from your router to the **NETWORK** port.
- For wireless connection, ensure the Wi-Fi antennas are properly attached and positioned.

5.3 Initial Power-Up and Setup Assistant

- Plug the power cord into an AC outlet.
- Turn on the receiver. The Setup Assistant will guide you through initial configurations on your TV screen.
- Follow the on-screen instructions to configure network settings, speaker setup, and input assignments.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power:** Press the **POWER** button on the front panel or remote control to turn the unit on/off.

- **Volume:** Adjust the master volume using the large knob on the front panel or the **VOLUME +/-** buttons on the remote.
- **Source Select:** Use the **SOURCE SELECT** knob or the input buttons on the remote (e.g., CBL/SAT, Blu-ray, CD, HEOS Music) to switch between input sources.
- **Tone Control:** Adjust **BASS** and **TREBLE** knobs on the front panel to fine-tune audio output.

6.2 Network Features and Streaming

- **HEOS Built-in:** Use the HEOS app on your smartphone or tablet to access and stream music from various online services (Spotify, Pandora, Amazon Prime Music, TIDAL, Deezer, TuneIn) and local network storage.
- **Wi-Fi & Bluetooth:** Connect wirelessly to your home network or Bluetooth-enabled devices for audio streaming.
- **AirPlay 2:** Stream audio directly from your Apple devices.

6.3 Audio Playback

- **Hi-Res Audio:** The DRA-800H supports high-resolution audio formats (MP3, WAV, FLAC, ALAC, DSD) via its front USB port or network connection.
- **USB Playback:** Insert a USB memory device into the front panel USB port to play audio files.
- **Phono Playback:** Select the PHONO input to listen to vinyl records from your connected turntable.

6.4 Voice Control

- The DRA-800H is compatible with Amazon Alexa and other voice assistants. Enable the Denon skill/action in your voice assistant app.
- Use voice commands to control volume, switch inputs, play/pause music, and more.

7. MAINTENANCE

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Ventilation:** Regularly check that the ventilation openings are not obstructed by dust or debris.
- **Power Cord:** Disconnect the power cord from the wall outlet if the unit will be unused for long periods.

8. TROUBLESHOOTING

If you encounter issues with your DRA-800H, refer to the following common solutions:

- **No Power:** Ensure the power cord is securely plugged into both the receiver and a working AC outlet.
- **No Sound:**
 - Check speaker connections for correct polarity and secure fit.
 - Verify the correct input source is selected.
 - Increase the volume level.
 - Ensure speakers are enabled (A/B selector).
- **No Picture (HDMI):**
 - Check HDMI cable connections between the receiver, TV, and source devices.
 - Ensure the correct HDMI input is selected on both the receiver and TV.
 - Try a different HDMI cable.
- **Network Connection Issues:**
 - For wired connections, check the Ethernet cable.

- For Wi-Fi, ensure the antennas are attached and the receiver is within range of your router.
- Restart your router and the receiver.
- **Remote Control Not Working:**
 - Replace the batteries.
 - Ensure there are no obstructions between the remote and the receiver's remote sensor.

For more detailed troubleshooting, please consult the full online manual or contact Denon customer support.

9. SPECIFICATIONS

Feature	Detail
Product Dimensions	13.35 x 17.09 x 5.94 inches
Item Weight	18.3 pounds
Item Model Number	DRA-800H
Batteries	2 AA batteries required (included)
Manufacturer	Denon
Connectivity Technology	Wi-Fi, Bluetooth, Ethernet
Controller Type	Remote Control, Amazon Alexa, Google Assistant, Siri (via AirPlay 2)
Special Features	Multiroom, Spotify, Pandora, HEOS Built-in, AirPlay 2, Hi-Res Audio Playback, Phono Input
Compatible Devices	Speakers, Television, Turntable, CD Player, Game Consoles, Media Players
Total HDMI Ports	5 In / 1 Out (ARC)
Connector Type	USB, HDMI, RCA, Optical, Coaxial, Ethernet
Audio Encoding	Stereo
Audio Output Mode	Stereo
Surround Sound Channel Configuration	2 Channel

10. WARRANTY & SUPPORT

For warranty information and customer support, please refer to the warranty card included with your product or visit the official Denon website. You can find detailed support resources, FAQs, and contact information for technical assistance. **Online Resources:** For the most up-to-date information, firmware updates, and comprehensive user guides, please visit www.denon.com.



