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## Denon PMA900HNE

# Denon PMA-900HNE Integrated Stereo Amplifier User Manual

Model: PMA900HNE | Brand: Denon

## INTRODUCTION

The Denon PMA-900HNE is an integrated network amplifier designed to deliver high-fidelity audio performance from both analog and digital sources. It features advanced high current (AHC) circuitry, built-in HEOS technology for multi-room audio streaming, and compatibility with various voice assistants. This manual provides essential information for setting up, operating, and maintaining your PMA-900HNE amplifier.



Figure 1: Front view of the Denon PMA-900HNE Integrated Stereo Amplifier.

## SAFETY INFORMATION

Please read these safety instructions carefully before using the unit. Keep this manual for future reference.

- **Power Source:** Connect the unit only to an AC power source of the type indicated on the unit.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings. Install the unit in a location that allows proper airflow.

- **Water and Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids, such as vases, on the unit.
- **Heat:** Do not place the unit near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Clean only with a dry cloth.
- **Servicing:** Do not attempt to service the unit yourself. Refer all servicing to qualified service personnel.

## WHAT'S IN THE BOX

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Verify that all items listed below are included in the package:

- Denon PMA-900HNE Integrated Stereo Amplifier
- Quick Start Guide
- Remote Controller
- 2 x External Antennas (for Bluetooth/Wi-Fi)
- Power Cord
- 2 x AAA Batteries (for remote controller)



Figure 2: Denon PMA-900HNE amplifier shown with its remote control.

## SETUP

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### 1. Unpacking and Placement

Carefully remove the amplifier from its packaging. Place the unit on a stable, flat surface with adequate space around it for ventilation. Avoid placing it in direct sunlight or near heat sources.

### 2. Connecting Antennas

Attach the two external antennas to the corresponding terminals on the rear panel of the amplifier. These antennas are essential for stable Bluetooth and Wi-Fi connectivity.

### 3. Connecting Speakers

Connect your passive speakers to the speaker terminals on the rear panel. Ensure correct polarity (+ to + and - to -) for each speaker. The PMA-900HNE supports two pairs of speakers (A and B).

- For Speaker A, connect the left speaker to the "L" terminals and the right speaker to the "R" terminals.
- For Speaker B, connect the left speaker to the "L" terminals and the right speaker to the "R" terminals.
- If connecting a subwoofer, use the dedicated "PRE OUT SUBWOOFER" output.

### 4. Connecting Audio Sources

The PMA-900HNE offers a variety of input options:

- **Analog Inputs:** Use RCA cables to connect devices like CD players, tape decks, or other audio components to the "CD", "AUX", or "RECORDER" inputs.
- **Phono Input:** Connect a turntable to the "PHONO" input. The PMA-900HNE includes a built-in MM/MC phono equalizer, eliminating the need for an external phono pre-amplifier for most turntables. Ensure the ground wire from your turntable is connected to the "SIGNAL GND" terminal.
- **Digital Inputs:** Connect digital audio sources such as TVs, Blu-ray players, or game consoles using optical or coaxial digital cables. The unit has 2 optical inputs and 1 coaxial input.
- **USB-A Input:** For playing audio files from a USB storage device.



Figure 3: Rear panel connections of the Denon PMA-900HNE, including speaker outputs, analog, digital, and phono inputs.



Figure 4: Detailed view of the digital audio input section on the rear panel.

## 5. Network Connection

The PMA-900HNE supports both wired and wireless network connections for HEOS streaming and other network features.

- **Wired (Ethernet):** Connect an Ethernet cable from your router to the "NETWORK" port on the rear panel.
- **Wireless (Wi-Fi):** Ensure antennas are connected. Follow the on-screen instructions or use the HEOS app to connect the amplifier to your Wi-Fi network.

## 6. Power Connection

Once all audio and network connections are made, connect the supplied power cord to the AC IN terminal on the rear panel and then to a wall outlet.

# OPERATING

## 1. Basic Operation

- **Power On/Off:** Press the POWER button on the front panel or the remote control to turn the unit on or off.
- **Volume Control:** Rotate the large VOLUME knob on the front panel or use the VOLUME +/- buttons on the remote control to adjust the sound level.
- **Input Selection:** Use the INPUT SELECTOR knob on the front panel or the input buttons on the remote control (e.g., CD, Phono, Optical) to switch between connected audio sources.

## 2. Network Features (HEOS, Streaming, Bluetooth, AirPlay 2)

The PMA-900HNE integrates HEOS Built-in technology for seamless music streaming and multi-room audio.

- **HEOS App:** Download the HEOS app on your smartphone or tablet. Use the app to set up and control your amplifier, access streaming services (Spotify, Pandora, TIDAL, TuneIn, etc.), and manage multi-room audio with other HEOS-enabled devices.
- **Bluetooth:** To pair a Bluetooth device, press the Bluetooth button on the remote or front panel, then select "PMA-900HNE" from your device's Bluetooth settings.
- **AirPlay 2:** For Apple devices, select the PMA-900HNE from the AirPlay audio output options on your iPhone, iPad, or Mac to stream audio.



Figure 5: The PMA-900HNE supports various streaming services and voice control platforms.



Figure 6: The HEOS Built-in feature enables multi-room audio experiences.

### 3. Voice Control

The PMA-900HNE is compatible with Amazon Alexa, Google Assistant, and Apple Siri. Enable the Denon HEOS skill/action in your respective voice assistant app to control playback, volume, and input selection using voice commands.

### 4. Sound Adjustments

- **Bass/Treble:** Use the BASS and TREBLE knobs on the front panel to adjust the low and high frequency response.
- **Balance:** Adjust the BALANCE knob to fine-tune the left/right speaker output.
- **Source Direct:** Press the SOURCE DIRECT button to bypass tone controls for the purest audio signal.

## MAINTENANCE

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Proper care ensures the longevity and performance of your amplifier.

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use abrasive cleaners, waxes, or solvents.
- **Ventilation:** Periodically check that the ventilation openings are not obstructed by dust or debris.
- **Power Cord:** Inspect the power cord regularly for any damage. If damaged, discontinue use and contact Denon service.

## TROUBLESHOOTING

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If you experience issues with your PMA-900HNE, refer to the following common problems and solutions:

Common Issues and Solutions

Problem	Possible Cause	Solution
No power	Power cord not connected securely.	Ensure the power cord is firmly plugged into the unit and the wall outlet.
No sound	Incorrect input selected; speakers not connected properly; volume too low.	Select the correct input source. Check speaker wire connections and polarity. Increase volume.
Poor sound quality	Loose connections; incorrect speaker impedance; poor audio source quality.	Check all cable connections. Ensure speaker impedance matches amplifier specifications. Try a different audio source.
Cannot connect to Wi-Fi/HEOS	Antennas not connected; incorrect Wi-Fi password; router issues.	Ensure antennas are securely attached. Re-enter Wi-Fi password. Restart your router.
Remote control not working	Batteries depleted; obstruction between remote and unit; remote sensor blocked.	Replace batteries. Remove any obstructions. Ensure remote sensor on unit is clear.

If the problem persists after trying these solutions, please contact Denon customer support.

SPECIFICATIONS

Key technical specifications for the Denon PMA-900HNE Integrated Stereo Amplifier:

- **Power Output:** 85W per channel (8 ohms, 20Hz-20kHz, 0.07% THD)
- **Dimensions (W x D x H):** 17.1 x 14.8 x 5.1 inches (434 x 376 x 130 mm)
- **Weight:** 8.3 pounds (3.76 kg)
- **Inputs:**
  - Analog Audio: CD, AUX, Recorder, Phono (MM/MC)
  - Digital Audio: 2 x Optical, 1 x Coaxial
  - USB-A: 1
- **Outputs:**
  - Speaker A/B
  - Subwoofer Pre-out
  - Headphone Output
- **Network Connectivity:** Ethernet, Wi-Fi (2.4GHz/5GHz), Bluetooth, AirPlay 2, HEOS Built-in
- **Voice Control Compatibility:** Amazon Alexa, Google Assistant, Apple Siri
- **Supported Audio Formats:** MP3, ALAC, WAV, FLAC HD, DSD



Figure 7: Internal components of the PMA-900HNE, highlighting its advanced circuitry.

## WARRANTY AND SUPPORT

Denon products are designed for reliability and performance. For warranty information and technical support, please refer to the official Denon website or contact your local authorized Denon dealer.

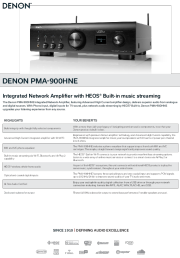
**Online Resources:** Visit [www.denon.com](http://www.denon.com) for product registration, FAQs, and software updates.

**Customer Service:** Contact information for customer support can typically be found on the Denon website under the "Support" or "Contact Us" section.

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## Related Documents - PMA900HNE



DENON PMA-900HNE	
Integrated Network Amplifier with HEOS Built-in streaming	
Advanced High Current Amplifier Design	
HEOS Built-in streaming	
Wi-Fi	
Bluetooth	
AirPlay 2	
Hi-Res Audio support	

[Denon PMA-900HNE Integrated Network Amplifier with HEOS Built-in](#)

Explore the Denon PMA-900HNE Integrated Network Amplifier, featuring Advanced High Current amplifier design, HEOS Built-in streaming, Wi-Fi, Bluetooth, AirPlay 2, and Hi-Res Audio support for an exceptional listening experience.



<div><div><div>PMA-900HNE</div><div>Integrated Network Amplifier</div></div><div>Quick start guide</div></div>	DENON	<a href="#">Denon PMA-900HNE Integrated Network Amplifier Quick Start Guide</a> Quick start guide for the Denon PMA-900HNE Integrated Network Amplifier, covering setup, connections, HEOS app integration, and Bluetooth audio.
<div><div><div>PMA-900HNE</div><div>Integrated Network Amplifier</div></div><div>Quick start guide</div></div>	DENON	<a href="#">Denon PMA-900HNE Integrated Network Amplifier Quick Start Guide</a> Get started quickly with your Denon PMA-900HNE Integrated Network Amplifier. This guide covers setup, connections, and basic operation.
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<div><div><div>PMA-900HNE</div><div>Integrated Network Amplifier</div></div><div>Quick start guide</div></div>	DENON	<a href="#">Denon PMA-900HNE Quick Start Guide: Setup and Basic Operation</a> This quick start guide provides essential steps to set up and begin using your Denon PMA-900HNE Integrated Network Amplifier, covering connections, app setup, and initial music playback.
<div><div><div>PMA-1700NE</div><div>Integrated Network Amplifier</div></div><div>QUICK START GUIDE</div></div>	DENON	<a href="#">Denon PMA-1700NE Integrated Amplifier: Quick Start Guide</a> Get started quickly with the Denon PMA-1700NE Integrated Amplifier. This guide covers setup, speaker connection, source device connection, power, playback, and USB-DAC usage for Windows and macOS.