Marantz NR1609

Marantz NR1609 User Manual

AV Surround Receiver

1. INTRODUCTION

The Marantz NR1609 is a slim-profile 7.2 channel AV Surround Receiver designed to deliver exceptional audio and video performance in a compact form factor. It supports the latest audio formats like Dolby Atmos and DTS:X, along with 4K Ultra HD video pass-through, HDR, and Dolby Vision. With built-in HEOS multi-room audio technology, Bluetooth, and AirPlay 2, the NR1609 offers versatile connectivity for all your entertainment needs.

Figure 1: Front view of the Marantz NR1609 AV Surround Receiver, showcasing its sleek design and front panel controls.

2. SAFETY INFORMATION

Please read these safety instructions carefully before operating the unit. Failure to comply may result in fire, electric shock, or other injury.

- **Ventilation:** Ensure adequate space around the unit for proper ventilation. Do not block ventilation openings.
- **Power Source:** Connect the unit only to an AC outlet of the voltage specified on the rear panel.
- **Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids, such as vases, on the unit.
- **Placement:** Place the unit on a flat, stable surface away from direct sunlight, heat sources, and excessive dust.
- **Servicing:** Do not attempt to service the unit yourself. Refer all servicing to qualified service personnel.

3. KEY FEATURES

The Marantz NR1609 offers a range of advanced features for an immersive home theater experience:

- **Slim Profile Design:** Half the height of traditional AV receivers, ideal for space-constrained setups.
- **7-Channel Discrete Power Amplifier:** Delivers 90W per channel for dynamic sound.
- **Advanced HDMI Connectivity:** 8 HDMI inputs (including 1 front) and 1 ARC output, all with HDCP 2.2 support.
- **4K Ultra HD Support:** 4K/60 Hz full-rate pass-through, 4:4:4 color resolution, HDR, BT.2020, Dolby Vision, and HLG.
- **Object-Based Audio:** Supports Dolby Atmos, DTS:X, and DTS Virtual:X processing for three-dimensional sound.
- **High-Resolution Audio:** Decodes ALAC, FLAC, WAV (up to 24-bit/192-kHz), and DSD (2.8MHz/5.6MHz) files.
- **HEOS Built-in:** Wireless multi-room audio technology for streaming music throughout your home.
- **Voice Control:** Compatible with Amazon Alexa via the HEOS Home Entertainment skill.
- **Streaming Services:** Access popular music services like Spotify, TuneIn, and Deezer via Bluetooth, AirPlay 2, or the HEOS app.

4. SETUP GUIDE

4.1 Unpacking and Placement

Carefully remove the NR1609 from its packaging. Ensure all accessories, including the remote control, power cord, setup microphone, and antennas, are present. Place the receiver on a sturdy, level surface with adequate ventilation space around it (at least 10 cm on sides and top).

4.2 Connections

Before making any connections, ensure the receiver and all connected devices are powered off and unplugged from the AC outlet.

1. **HDMI Connections:** Connect your video sources (Blu-ray player, game console, set-top box) to the HDMI IN ports. Connect your TV or projector to the HDMI OUT (ARC) port.
2. **Speaker Connections:** Connect your speakers to the corresponding speaker terminals on the rear panel. Pay attention to polarity (+/-). The NR1609 supports 7.2 channel configurations.
3. **Network Connection:** For internet radio, firmware updates, and HEOS functionality, connect an Ethernet cable to the LAN port or attach the Wi-Fi antennas and configure wireless settings.
4. **Audio Inputs:** Connect external audio devices using analog RCA cables or digital optical/coaxial cables. A dedicated PHONO input is available for turntables.
5. **Power:** Once all connections are made, connect the power cord to the receiver and then to an AC outlet.

Figure 2: Rear panel of the Marantz NR1609, illustrating the various input and output ports for comprehensive connectivity.

4.3 Initial Setup Wizard and Audyssey Calibration

Upon first power-on, the NR1609 will guide you through an on-screen setup wizard. Follow the prompts to configure your language, network settings, and speaker setup. The Audyssey MultEQ XT calibration system will optimize your speaker settings for your room's acoustics using the included setup microphone. This process is crucial for achieving optimal sound quality.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

- **Power On/Off:** Use the POWER button on the front panel or remote control.
- **Input Selection:** Use the INPUT SELECTOR knob on the front panel or dedicated input buttons on the remote to choose your desired source (e.g., Blu-ray, TV Audio, Game).
- **Volume Control:** Adjust the VOLUME knob on the front panel or the VOLUME +/- buttons on the remote.

5.2 Audio Modes and Surround Sound

The NR1609 supports various audio modes, including advanced object-based formats:

- **Dolby Atmos:** Creates a three-dimensional sound field with overhead effects.
- **DTS:X:** Similar to Dolby Atmos, offering flexible speaker layouts and immersive sound.
- **DTS Virtual:X:** Provides a virtual height and surround effect without dedicated height or surround speakers.
- **Stereo/Direct Modes:** For pure two-channel audio playback.

Use the "SOUND MODE" buttons on the remote to cycle through available audio modes for the current input.

5.3 Network and Streaming Features

- **HEOS Multi-Room Audio:** Download the HEOS app to control music playback across multiple HEOS-enabled devices in your home.
- **Bluetooth:** Pair your smartphone or tablet to stream audio wirelessly.
- **AirPlay 2:** Stream audio from Apple devices to the receiver and other AirPlay 2 compatible speakers.
- **Music Services:** Access integrated services like Spotify Connect, TuneIn Internet Radio, and Deezer directly through the HEOS app or receiver interface.

5.4 Voice Control with Amazon Alexa

The Marantz NR1609 supports Amazon Alexa voice control via the HEOS Home Entertainment skill. Enable the skill in your Alexa app and link your HEOS account to control basic functions like power, volume, input selection, and music playback using voice commands.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents.
- **Firmware Updates:** Periodically check for and install firmware updates via the network connection to ensure optimal performance and access to new features. This can usually be done through the receiver's setup menu.

7. TROUBLESHOOTING

If you encounter issues with your Marantz NR1609, refer to the following common troubleshooting steps:

Problem	Possible Cause / Solution
No Sound	Check speaker connections and polarity. Ensure correct input source is selected. Verify volume level is not muted or too low. Check audio output settings on connected source devices.
No Picture	Verify HDMI cables are securely connected. Ensure correct HDMI input is selected on the receiver and TV. Check TV's input selection.
Network Connection Issues	Check Ethernet cable connection or Wi-Fi antenna. Restart your router/modem. Re-run network setup in the receiver's menu.
Remote Control Not Working	Replace batteries. Ensure no obstructions between remote and receiver. Check remote mode settings if applicable.

If the problem persists, please refer to the official Marantz support website or contact customer service.

8. SPECIFICATIONS

Detailed technical specifications for the Marantz NR1609 AV Surround Receiver:

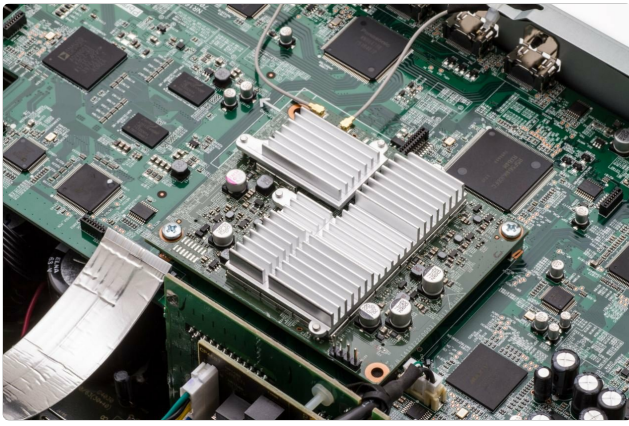| Feature	Detail
Model	NR1609
Channels	7.2
Power Output (per channel)	90W (6 ohms, 1 kHz, 1% THD, 1ch Driven) / 50W (8 ohms, 20 Hz - 20 kHz, 0.08% THD, 2ch Driven)
HDMI Inputs / Outputs	8 In (1 Front) / 1 Out (ARC)
HDCP Version	HDCP 2.2 support on all HDMI ports
Video Pass-through	4K/60Hz, 4:4:4 Pure Color, HDR, Dolby Vision, HLG, BT.2020
Audio Formats	Dolby Atmos, DTS:X, DTS Virtual:X, Dolby TrueHD, DTS-HD Master Audio
High-Res Audio Support	ALAC, FLAC, WAV (up to 24-bit/192kHz), DSD (2.8/5.6MHz)
Wireless Connectivity	Wi-Fi (2.4GHz/5GHz), Bluetooth, AirPlay 2, HEOS Built-in
Voice Control	Amazon Alexa compatible
Dimensions (W x D x H)	440 x 368 x 105 mm (17.3 x 14.5 x 4.1 inches)
Weight	8.4 kg (18.5 lbs)
Power Consumption	250W (Operational)

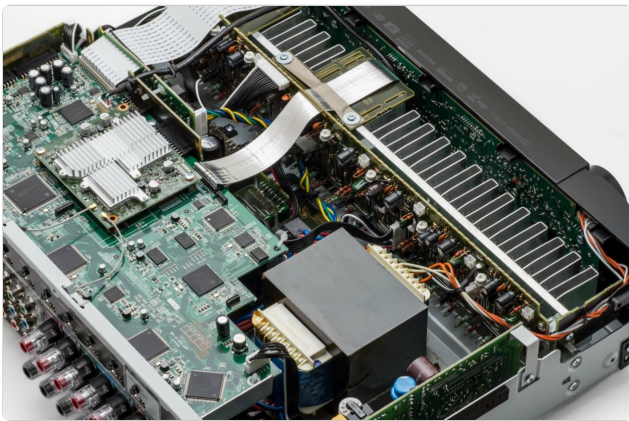*Figure 3: Internal view of the Marantz NR1609, showing the main circuit board and heat sinks.*

Figure 4: Another internal view of the Marantz NR1609, illustrating the overall component layout and wiring.
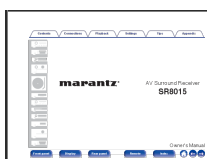
9. WARRANTY AND SUPPORT

The Marantz NR1609 is covered by a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Marantz website.

For technical support, frequently asked questions, and additional resources, please visit the official Marantz support page:

Marantz Official Support

Related Documents - NR1609

[Marantz SR8015 AV Surround Receiver Owner's Manual](#)
Comprehensive owner's manual for the Marantz SR8015 AV Surround Receiver, detailing setup, features, playback options, and troubleshooting.

	[Marantz CINEMA 70s A/V Surround Receiver Bedienungsanleitung](#) Bedienungsanleitung für den Marantz CINEMA 70s A/V Surround Receiver. Enthält Informationen zu Anschlüssen, Wiedergabe, Einstellungen, Tipps und Fehlerbehebung.
	[Marantz CINEMA 60 AV Surround Receiver Owner's Manual](#) Comprehensive owner's manual for the Marantz CINEMA 60 AV Surround Receiver, detailing setup, connections, playback features, audio/video settings, network capabilities, HEOS integration, and troubleshooting.
	[Marantz SR6013 AV Surround Receiver Owner's Manual](#) Comprehensive guide to the Marantz SR6013 AV Surround Receiver, covering setup, connections, playback features, settings, troubleshooting, and technical specifications. Learn how to optimize your home theater experience with Dolby Atmos, DTS:X, HEOS, and AirPlay 2.
	[Marantz SR6015 AV Surround Receiver Owner's Manual](#) Comprehensive owner's manual for the Marantz SR6015 AV Surround Receiver, detailing setup, features like Dolby Atmos, DTS:X, 8K HDMI, HEOS, and audio configurations for an optimal home theater experience.
	[Marantz CINEMA 70s AV Surround Receiver Owner's Manual](#) Comprehensive owner's manual for the Marantz CINEMA 70s AV Surround Receiver, detailing setup, features, and operation for an immersive home theater experience.