Yamaha R-N800A

Yamaha R-N800A Network Receiver User Manual

Model: R-N800A

Box	Setup	Operation	**Introduction Maintenance**	**Features Troubleshooting**	**What's in the Specifications**	**Warranty & Support**

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your Yamaha R-N800A Network Receiver. Please read this manual thoroughly before using the product to ensure proper setup and operation. Keep this manual in a safe place for future reference.

2. KEY FEATURES

The Yamaha R-N800A Network Receiver is designed to deliver high-fidelity audio from various sources. Its key features include:

- High-quality audio reproduction from streaming services and high-resolution sources.
- Integrated ESS SABRE ES9080Q Ultra DAC for superior signal-to-noise performance.
- YPAO-R.S.C. (Reflected Sound Control) with precision EQ for optimized listening environments.
- High-performance USB DAC function supporting DSD 11.2 MHz native playback and 384 kHz PCM playback.
- Dedicated Phono input terminals for connecting a turntable and enjoying vinyl records.
- Network connectivity for streaming music and multi-room audio via MusicCast.

3. WHAT'S IN THE BOX

Upon unpacking your Yamaha R-N800A, ensure all the following items are present:

- Yamaha R-N800A Network Receiver
- Remote Controller
- Power Cord
- Owner's Manual (this document)
- YPAO Microphone (for room calibration)
- FM/AM Antenna (if applicable)

4. SETUP GUIDE

4.1 Placement

Place the receiver on a stable, level surface with adequate ventilation. Avoid placing it near heat sources or in direct sunlight. Ensure sufficient space around the unit for proper airflow.

4.2 Connecting Speakers

Connect your speakers to the speaker terminals on the rear panel. The R-N800A supports two sets of speakers (A and B) and a subwoofer output. Ensure correct polarity (+ to + and - to -) for each speaker. The receiver supports speaker impedances of 4Ω to 16Ω.

Figure 2: Rear panel connections, including speaker terminals, digital inputs, analog inputs, and network port.

- **Speaker A/B:** Connect your main stereo speakers to the SPEAKER A terminals. If using a second pair of speakers, connect them to SPEAKER B.
- **Subwoofer Out:** Connect a powered subwoofer to the SUBWOOFER OUT jack for enhanced bass.

4.3 Connecting Audio Sources

The R-N800A offers a variety of input options:

- **Analog Inputs (CD, LINE 1/2):** Use RCA cables to connect external audio components like CD players or other line-level devices.
- **Phono Input:** Connect a turntable to the PHONO input. Ensure your turntable has a moving magnet (MM) cartridge or use an external phono preamplifier for moving coil (MC) cartridges. Connect the turntable's ground wire to the GND terminal.
- **Digital Inputs (OPTICAL 1/2, COAXIAL 1/2):** Connect digital audio sources such as TVs, Blu-ray players, or game consoles using optical or coaxial digital cables.
- **USB DAC:** Connect a computer to the USB (Type B) terminal on the rear panel for high-resolution audio playback.

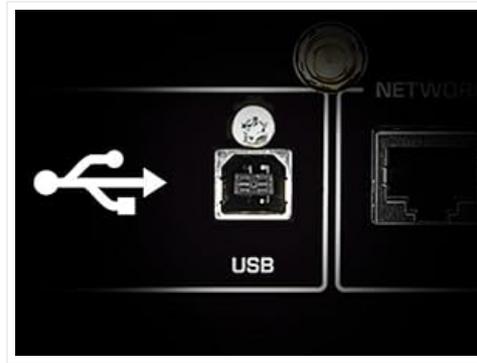Figure 3: Phono input terminals for turntable connection.

Figure 4: USB DAC input for computer audio.

4.4 Network Connection

Connect the receiver to your home network for streaming services and MusicCast functionality.

- **Wired Connection:** Connect an Ethernet cable from your router to the NETWORK terminal on the rear panel.
- **Wireless Connection (Wi-Fi):** Attach the included Wi-Fi/Bluetooth antenna to the rear panel. Follow the on-screen instructions or use the MusicCast app to configure Wi-Fi settings.

4.5 YPAO Automatic Room Calibration

The YPAO (Yamaha Parametric Room Acoustic Optimizer) system automatically analyzes room acoustics and adjusts audio settings for optimal sound quality.

1. Connect the supplied YPAO microphone to the YPAO MIC jack on the front panel.
2. Place the microphone at your primary listening position, ideally at ear height.
3. Follow the on-screen instructions or refer to the detailed YPAO section in the full owner's manual for calibration steps.

5. OPERATION

5.1 Basic Controls (Front Panel)

Figure 5: Front panel controls of the R-N800A.

- **Power Button:** Turns the unit on or off.
- **Input Selector:** Rotates to select the desired audio input source (CD, Phono, Line, Optical, Coaxial, USB DAC, Net).

- **Volume Knob:** Adjusts the overall output volume.
- **Bass/Treble/Balance:** Adjusts tone and channel balance.
- **Loudness:** Compensates for the human ear's reduced sensitivity to low and high frequencies at low volumes.
- **Pure Direct:** Bypasses tone controls and other processing for the purest audio signal.

Figure 6: Pure Direct button for uncolored sound reproduction.

5.2 Remote Control

The supplied remote control provides convenient access to all receiver functions.

Figure 7: Remote control for the R-N800A.

- **Input Buttons:** Directly select input sources.
- **Volume +/-:** Adjust volume levels.
- **Mute:** Temporarily mutes the audio output.
- **Navigation Buttons:** Used for menu navigation and selecting network content.
- **Preset Buttons:** Store and recall favorite radio stations or network content.

5.3 Network Streaming (MusicCast)

The R-N800A integrates Yamaha's MusicCast system, allowing access to various streaming services and multi-room audio capabilities.

1. Download the MusicCast Controller app on your smartphone or tablet.
2. Follow the app's instructions to connect your receiver to the MusicCast network.
3. Once connected, you can access streaming services like Spotify, Amazon Music, Tidal, Qobuz, and more, directly through the app.

Figure 8: MusicCast streaming services integration.

6. MAINTENANCE

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use chemical cleaners or abrasive materials.
- **Ventilation:** Ensure the ventilation openings are not blocked to prevent overheating.
- **Power Cord:** Disconnect the power cord from the wall outlet if the unit will not be used for an extended period.

7. TROUBLESHOOTING

If you experience issues with your R-N800A, refer to the following common solutions:

- **No Power:** Check if the power cord is securely connected and the power outlet is functional.
- **No Sound:**

    - Ensure speakers are correctly connected and speaker cables are not short-circuited.
    - Verify the correct input source is selected.
    - Check the volume level and ensure the Mute function is not active.
    - Confirm that the speaker output (A or B) is selected on the front panel or remote.

- **Network Connection Issues:**

    - Restart your router and the receiver.
    - Ensure the Wi-Fi antenna is properly attached for wireless connections.
    - Check network settings via the MusicCast app.

- **Remote Control Not Working:** Replace batteries and ensure no obstructions between the remote and the receiver's IR sensor.

For more detailed troubleshooting, consult the comprehensive owner's manual or contact Yamaha customer support.

8. SPECIFICATIONS

Product Dimensions	15.5 x 17.13 x 6 inches
Item Weight	29.8 pounds
Brand	Yamaha
Model Number	R-N800A
Connectivity Technology	Bluetooth, Ethernet, Wi-Fi
Special Features	Equalizer, Multiroom (MusicCast)
Compatible Devices	Smartphone, Speakers
Audio Output Mode	Stereo (2.1 channel with subwoofer)
Surround Sound Channel Configuration	2.1
DAC	ESS SABRE ES9080Q Ultra DAC
USB DAC Support	DSD 11.2 MHz native, 384 kHz PCM

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the warranty card included with your product or visit the official Yamaha website. Keep your purchase receipt as proof of purchase.

Online Resources: www.yamaha.com