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Bluesound POWERNODE EDGE

BlueSound POWERNODE EDGE

Wireless Streaming Amplifier User Manual

Model: POWERNODE EDGE | Brand: Bluesound

1. Introduction

The BlueSound POWERNODE EDGE is a compact, high-resolution wireless streaming amplifier designed to bring audiophile-grade sound to your home. Featuring BluOS multi-room capabilities, HDMI eARC, and support for various streaming services, it offers a versatile and powerful audio solution. This manual provides essential information for setting up, operating, and maintaining your POWERNODE EDGE.

2. Safety Information

Please read these safety instructions carefully before using your POWERNODE EDGE. Keep this manual for future reference.

- **Power Source:** Connect the device only to a power supply within the range of 100-240V AC, 50/60Hz.
- **Ventilation:** Ensure adequate ventilation around the unit. Do not block ventilation openings.
- **Water and Moisture:** Do not expose the unit to rain, moisture, dripping, or splashing. Do not place objects filled with liquids on the apparatus.
- **Heat:** Do not place near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Unplug the unit from the wall outlet before cleaning. Use a dry cloth only.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Minimum Speaker Impedance:** Ensure connected speakers have a minimum impedance of 4 Ohms.

3. What's in the Box

Verify that all items are present:

- BlueSound POWERNODE EDGE Unit
- AC Power Cord
- Ethernet Cable
- Mini-jack to TOSLINK Optical Adapter

- Quick Setup Guide

4. Product Overview

The POWERNODE EDGE features a minimalist design with essential connections for a modern audio setup.



Figure 1: BlueSound POWERNODE EDGE (Front/Angled View)
This image shows the compact design of the POWERNODE EDGE, highlighting its sleek appearance suitable for various home audio setups.

4.1 Rear Panel Connections

The rear panel provides all necessary inputs and outputs for connecting your audio system.

Figure 2: BlueSound POWERNODE EDGE Rear Panel Layout
This description details the various ports and connectors found on the rear of the POWERNODE EDGE, essential for system integration.

- **SPEAKER RIGHT / SPEAKER LEFT:** Binding posts for connecting passive speakers. Ensure correct polarity (+ to + and - to -). Minimum speaker impedance is 4 Ohms.
- **SUBW OUT:** RCA output for connecting an external powered subwoofer.
- **HDMI eARC:** Connect to your TV's HDMI eARC/ARC port for high-quality audio from your television.
- **LAN/USB:** Ethernet port for wired network connection. USB-A port for connecting external storage devices (USB drives) or a USB-to-Ethernet adapter.
- **IR IN:** 3.5mm input for an external IR receiver, allowing control of the unit when it's out of direct line of sight.
- **OPTICAL IN / ANALOG IN:** A combined 3.5mm input jack. Use the included adapter for optical digital input (TOSLINK) or a standard 3.5mm stereo cable for analog input.
- **AC Power Inlet:** Connect the supplied AC power cord here.

5. Setup

5.1 Placement

Place the POWERNODE EDGE on a stable, flat surface with adequate ventilation. Avoid placing it near heat sources or in direct sunlight.

5.2 Connecting Speakers

1. Ensure the POWERNODE EDGE is unplugged from the power outlet.
2. Connect your passive speakers to the **SPEAKER RIGHT** and **SPEAKER LEFT** binding posts.
3. Match the positive (+) terminal on the amplifier to the positive (+) terminal on the speaker, and the negative (-) terminal on the amplifier to the negative (-) terminal on the speaker.
4. Ensure all connections are secure and there are no stray wire strands that could cause a short circuit.

5.3 Connecting Sources

- **HDMI eARC:** Connect an HDMI cable from the **HDMI eARC** port on the POWERNODE EDGE to the HDMI eARC/ARC port on your television.
- **Optical/Analog:** For optical digital sources (e.g., CD player, game console), use the included mini-jack to TOSLINK adapter and connect to the **OPTICAL IN** / **ANALOG IN** port. For analog sources (e.g., turntable with a phono preamp, portable audio player), use a 3.5mm stereo cable to connect to the same port.
- **Subwoofer:** Connect an RCA cable from the **SUBW OUT** port to the LFE or Line In input on your powered subwoofer.

5.4 Network Connection

- **Wired (Recommended):** Connect an Ethernet cable from your router or network switch to the **LAN/USB** port on the POWERNODE EDGE.
- **Wireless:** The POWERNODE EDGE has built-in Wi-Fi. You will configure this during the initial setup using the BluOS app.

5.5 Power Connection

Once all audio and network connections are made, connect the supplied AC power cord to the **AC Power Inlet** on the POWERNODE EDGE, and then plug it into a wall outlet.

5.6 Initial Setup with BluOS App

1. Download the BluOS Controller app from the Apple App Store or Google Play Store on your smartphone or tablet.
2. Open the BluOS app and follow the on-screen instructions to add your POWERNODE EDGE to your network and configure its settings.
3. The app will guide you through connecting to Wi-Fi (if not using a wired connection), naming your player, and setting up music services.

6. Operation

6.1 Using the BluOS App

The BluOS Controller app is the primary interface for controlling your POWERNODE EDGE. From the app, you can:

- Browse and play music from streaming services (TIDAL, Qobuz, Spotify, etc.), network shares, or USB drives.
- Adjust volume, skip tracks, and manage playback.
- Group multiple BluOS players for multi-room audio.
- Access player settings, including audio adjustments and firmware updates.

6.2 Streaming Music

Select your desired music source within the BluOS app. You can browse by artist, album, genre, or playlist. Tap on a track to add it to the play queue and begin playback.

6.3 Multi-room Audio

If you have multiple BluOS-enabled devices, you can group them together in the BluOS app to play the same music synchronously in different rooms, or play different music on each device.

6.4 AirPlay 2

The POWERNODE EDGE supports Apple AirPlay 2. From an Apple device (iPhone, iPad, Mac), you can select the POWERNODE EDGE as an audio output device to stream audio directly.

6.5 Wireless Headphone Output

The POWERNODE EDGE supports wireless headphone output. You can pair Bluetooth headphones directly to the unit

for private listening. Refer to the BluOS app for pairing instructions.

7. Maintenance

7.1 Cleaning

Unplug the POWERNODE EDGE from the power outlet before cleaning. Use a soft, dry, lint-free cloth to wipe the exterior surfaces. Do not use liquid cleaners or abrasive materials.

7.2 Firmware Updates

The POWERNODE EDGE receives automatic firmware updates via the BluOS app when connected to the internet. Ensure your unit is connected to the network to receive the latest features and improvements.

8. Troubleshooting

Problem	Possible Solution
No power	Check if the power cord is securely connected to the unit and the wall outlet. Try a different outlet.
No sound from speakers	Verify speaker connections and polarity. Check volume level in the BluOS app. Ensure correct input source is selected. Confirm speakers are functional.
Unit not found in BluOS app	Ensure the unit is powered on. Check network connection (wired or Wi-Fi). Restart your router and the POWERNODE EDGE. Ensure your mobile device is on the same network as the POWERNODE EDGE.
Intermittent audio dropouts	Check network signal strength (for Wi-Fi). Try a wired Ethernet connection. Reduce network congestion. Move the unit closer to your router.
HDMI eARC not working	Ensure your TV's HDMI port is eARC/ARC enabled and activated in TV settings. Try a different HDMI cable. Restart both TV and POWERNODE EDGE.

9. Specifications

Feature	Detail
Amplifier Power	40W per channel (8 Ohms)
Processor	Quad-Core 1.8GHz ARM Cortex A53
Audio Inputs	HDMI eARC, Optical/Analog (3.5mm combo)
Audio Outputs	Subwoofer (RCA), Wireless Headphone Output
Network Connectivity	Gigabit Ethernet RJ45, Wi-Fi 5 (802.11ac), Bluetooth
Supported Audio Formats	MQA, Hi-Res Audio (up to 24-bit/192kHz), FLAC, WAV, AIFF, MP3, AAC, WMA, OGG, ALAC
Control	BluOS App (iOS, Android, Windows, macOS), IR Remote Learning, Touch controls
Dimensions (W x H x D)	219 x 44.5 x 193mm

Feature	Detail
Weight	1.37kg
Power Rating	100-240V~50/60Hz, 100W
UPC	786357002279

10. Warranty Information

Bluesound products are manufactured to the highest quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Bluesound website. Keep your proof of purchase for warranty claims.

11. Support

For further assistance, technical support, or to download the latest BluOS Controller app, please visit the official Bluesound support website:

www.bluesound.com/support

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