Bluesound POWERNODE Edge N230BLKUNV

Bluesound POWERNODE Edge User Manual

Model: POWERNODE Edge (N230BLKUNV)

Brand: Bluesound

Introduction

This user manual provides comprehensive instructions for the setup, operation, and maintenance of your Bluesound POWERNODE Edge Wireless Multi-Room High Resolution Music Streaming Amplifier. Please read this manual thoroughly before using the device to ensure optimal performance and safety.

What's in the Box

Carefully unpack the contents and ensure all items are present:

- Bluesound POWERNODE Edge Amplifier
- 120V AC Power Cord
- 230V AC Power Cord
- Ethernet Cable
- TOSLINK Optical to 3.5mm Mini Adapter
- Rubber Mount Attachment
- Metal Mounting Bracket & Screws

Product Overview

Key Features

- Integrated 40 Watts per channel DirectDigital amplification.
- Supports 24-bit/192 kHz high-resolution audio files.
- Equipped with a Quad-Core 1.8GHz ARM Cortex A53 Processor for efficient performance.
- Multiple input options: Digital optical, analog, and HDMI eARC.
- Subwoofer output for enhanced bass.

- Bluetooth aptX HD for high-quality wireless headphone connectivity.
- Dual-band Wi-Fi and Gigabit Ethernet for robust network connectivity.
- Seamless streaming from internet radio, cloud music services, and local music libraries.
- Control via BluOS Controller app, IR remote learning, or optional RC1 Remote Controller.
- Voice control compatibility with Alexa, Google Assistant, and Siri via BluVoice skill.
- AirPlay 2 support for multi-room audio with Apple devices.
- Includes multi-orientation wall-mounting bracket for flexible placement.

Front Panel



Figure 1: Front View of POWERNODE Edge

The front panel features a sleek design with touch-sensitive controls for basic playback functions and status indicators. The Bluesound logo is prominently displayed.

Rear Panel Connections



Figure 2: Rear Panel Connections

- **Speaker Right/Left:** Connect your passive stereo speakers using standard speaker wire.
- **SUBW OUT:** Connect an external powered subwoofer for extended bass response.
- **HDMI eARC:** Connect to your TV's HDMI eARC/ARC port for high-quality audio from your television.
- **OPTICAL IN / ANALOG IN:** A combo port for digital optical audio input (e.g., from a TV or CD player) or analog audio input (e.g., from a turntable or other audio source). Use the included TOSLINK adapter for optical connection.
- **IR IN:** For connecting an external IR receiver to control the unit with an IR remote.
- **LAN / USB:** Ethernet port for wired network connection and a USB port for connecting external storage devices with music files.
- **AC Power:** Connect the provided AC power cord to power the unit.

Setup Guide

Follow these steps to set up your POWERNODE Edge amplifier:

1. **Placement:** Position the POWERNODE Edge in a well-ventilated area. It can be placed on a flat surface or wall-mounted using the included bracket.

2. **Connect Speakers:** Connect your passive speakers to the "Speaker Right" and "Speaker Left" terminals on the rear panel. Ensure correct polarity (+ to + and - to -).
3. **Connect Power:** Connect the appropriate AC power cord (120V or 230V) to the "AC Power" input and then to a wall outlet.
4. **Network Connection:**
    - **Wired (Recommended):** Connect an Ethernet cable from your router to the "LAN" port on the POWERNODE Edge.
    - **Wireless:** The device will connect wirelessly during the app setup process.
5. **Download BluOS Controller App:** Download the BluOS Controller app on your smartphone, tablet, or computer. The app is available for iOS, Android, Windows, and macOS.



Figure 3: BluOS Controller App Interface

6. **Initial Setup via App:**
    - Open the BluOS Controller app.
    - The app will guide you through the process of adding your new POWERNODE Edge to your network and setting up your music services.

- Follow the on-screen prompts to complete the setup.

7. **Optional Connections:**
    - **Subwoofer:** Connect a powered subwoofer to the "SUBW OUT" port.
    - **TV Audio:** Connect an HDMI cable from your TV's HDMI eARC/ARC port to the "HDMI eARC" port on the POWERNODE Edge.
    - **Other Audio Sources:** Connect other audio devices (e.g., CD player, turntable with pre-amp) to the "OPTICAL IN / ANALOG IN" port using the appropriate cable.

Product Overview Video

Your browser does not support the video tag.

Video 1: POWERNODE Edge Wireless Multi-Room HiRes Music Streaming Amp Overview. This video provides a visual introduction to the features and capabilities of the Bluesound POWERNODE Edge.

Operating Instructions

Using the BluOS Controller App

The BluOS Controller app is the primary interface for controlling your POWERNODE Edge. It allows you to:

- Browse and play music from streaming services (Spotify Connect, Tidal Connect, Roon Ready, etc.).
- Access and play music from local network shares or connected USB drives.
- Create and manage multi-room audio zones with other BluOS-enabled devices.
- Adjust volume, playback controls (play, pause, skip), and audio settings (bass/treble).
- Configure network settings and update firmware.

Front Panel Controls

The touch panel on the top of the POWERNODE Edge provides basic controls:

- **Play/Pause:** Tap the center button to play or pause current audio.
- **Skip Tracks:** Tap the left/right arrow buttons to skip to the previous/next track.
- **Volume:** Swipe left/right on the touch bar to adjust volume.
- **Status Indicator:** The LED light indicates the device's status (e.g., blue for connected, red for error). Refer to the app for detailed status information.

Voice Control

The POWERNODE Edge supports voice control through the BluVoice skill, compatible with Amazon Alexa, Google Assistant, and Apple Siri. Enable the BluVoice skill in your preferred voice assistant app and link your BluOS account to control playback and other functions using voice commands.

Maintenance and Care

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure adequate airflow around the unit to prevent overheating. Do not block ventilation openings.
- **Power:** Disconnect the power cord from the wall outlet if the unit will be unused for an extended period.
- **Environment:** Avoid exposing the unit to extreme temperatures, humidity, or direct sunlight.

Troubleshooting

If you encounter issues with your POWERNODE Edge, refer to the following common problems and solutions:

No Power / Unit Not Turning On:

- Check that the power cord is securely connected to both the unit and a working wall outlet.
- Verify the wall outlet is supplying power.

No Sound Output:

- Ensure speakers are correctly connected to the speaker terminals with proper polarity.
- Check the volume level in the BluOS app and on the unit.
- Verify the correct input source is selected in the BluOS app.
- Confirm that the speakers are functional by testing with another audio source if possible.

Cannot Connect to Network / App Not Finding Unit:

- Ensure your router is powered on and functioning correctly.
- If using Wi-Fi, ensure the unit is within range of your wireless router.
- Try restarting your router and the POWERNODE Edge.
- If using a wired connection, ensure the Ethernet cable is securely connected.
- Ensure your mobile device running the BluOS app is on the same network as the POWERNODE Edge.

Audio Dropouts or Intermittent Playback:

- Check your network connection stability. A wired Ethernet connection is recommended for critical listening.
- Ensure your Wi-Fi signal is strong if using a wireless connection.
- Reduce network congestion by limiting other high-bandwidth activities.
- Ensure your music source (streaming service, local server) has a stable connection.

Specifications

Feature	Detail
Product Dimensions	7.6 x 8.7 x 1.8 inches
Item Weight	3.02 pounds
Model Number	N230BLKUNV
Brand	Bluesound
Connectivity Technology	Bluetooth, Wi-Fi, Ethernet
Connector Types	HDMI eARC, Optical/Analog Combo, USB
Special Features	Compact, Wireless, Multi-Room, High-Resolution Audio
Supported Internet Services	Spotify Connect, Tidal Connect, Roon Ready, and more via BluOS
Controller Type	App Control, Voice Control (Alexa, Google Assistant, Siri)
Amplification	40 Watts per channel DirectDigital
Processor	Quad-Core 1.8GHz ARM Cortex A53

First Available Date	August 31, 2022

Warranty and Support

For detailed warranty information, technical support, and additional resources, please visit the official Bluesound website or contact their customer service. Keep your proof of purchase for warranty claims.
You can also refer to the official PDF user manual for further details:Bluesound POWERNODE Edge User Manual (PDF)

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question