

Bluesound N132BLKUNV

Bluesound Node Performance Multi-Room Hi-Res Wireless Music Streamer

Brand: Bluesound

Model: N132BLKUNV

1. INTRODUCTION AND OVERVIEW

The Bluesound NODE is a high-performance network audio streamer designed to serve as a hi-res source component for any HiFi amplifier or powered speaker system. It also functions as a pre-amplifier, headphone amplifier, and a bridge between digital and analog audio worlds. This manual provides essential information for setting up, operating, and maintaining your Bluesound NODE.

Equipped with a powerful quad-core 1.8GHz ARM Cortex A53 processor and the advanced ESS ES9039Q2M SABRE DAC, the NODE delivers outstanding audio precision. It supports 24-bit/192 kHz audio processing and MQA for master quality listening. Advanced software features like tone controls and fixed volume output allow for detailed customization of your listening preferences.

The NODE enhances TV sound with Dolby Digital decoding, providing immersive, high-fidelity audio for movies, shows, and games. It also supports DSD playback (via future update) and includes Dirac Live room correction, establishing it as a top-tier hi-res music streamer.



Figure 1.1: Front view of the Bluesound NODE, showcasing its sleek black design and minimalist interface.



Figure 1.2: Angled view of the Bluesound NODE, highlighting its compact form factor.

2. SETUP GUIDE

2.1 Unpacking and Initial Placement

Carefully remove all components from the packaging. Place the Bluesound NODE on a stable, flat surface, ensuring adequate ventilation around the unit. Avoid placing it near heat sources or in direct sunlight.

2.2 Connecting to Power

Connect the provided USB Power Adapter to the DC input on the rear of the NODE, then plug the adapter into a wall outlet. The status indicator light on the front will illuminate.

2.3 Network Connection

The NODE supports both Wi-Fi and Ethernet connectivity for network access. For optimal performance and stability, a wired Ethernet connection is recommended.

- **Wired Connection:** Connect an Ethernet cable from your router or network switch to the LAN port on the NODE.
- **Wireless Connection:** The NODE will automatically attempt to connect to a Wi-Fi network during initial setup via the BluOS app.

2.4 Audio Connections

The Bluesound NODE offers versatile connectivity options for integration into your existing audio system:

- **Analog Output:** Use RCA cables to connect the Audio Out ports to your amplifier or powered speakers.
- **Digital Output:** Utilize the Coaxial Out or Optical Out ports for digital audio connection to a DAC or AV receiver.
- **HDMI eARC:** Connect your TV's HDMI eARC port to the NODE's HDMI eARC input for enhanced TV sound with Dolby Digital decoding.
- **Analog/Digital Combo Input:** This input supports both optical and analog sources with auto-sensing functionality.
- **Subwoofer Output:** Connect a powered subwoofer to the Subwoofer Out for enhanced bass, with bass management options available.
- **Headphone Output:** Plug your headphones into the front 3.5mm jack for private listening.



Figure 2.1: Rear panel connections of the Bluesound NODE, illustrating various input and output options.

3. OPERATING YOUR BLUESOUND NODE

3.1 BluOS Platform and App Control

The BluOS platform is central to the Bluesound NODE's operation, offering top-notch hi-res streaming and seamless integration. The BluOS Controller app is available for iOS, Android, Windows, and macOS, allowing you to control the entire system from a single device.

- **Download the App:** Search for "BluOS Controller" in your device's app store or visit the Bluesound website for download links.
- **Connect to Your NODE:** Follow the in-app instructions to connect to your Bluesound NODE. This typically involves ensuring both your device and the NODE are on the same network.
- **Multi-Room Audio:** BluOS enables you to group multiple Bluesound products and compatible speakers together, creating a synchronized multi-room listening experience. You can control the entire system from the app or set up different zones with independent audio streams.

Seamless Integration With the BluOS App

Stream hi-res audio and manage up to 64 players from anywhere in your home



Available iOS, Android, Windows, and macOS

Figure 3.1: The BluOS Controller app interface, demonstrating multi-room audio management and music playback.

3.2 Supported Services and Features

The NODE supports a wide range of streaming services and features, including:

- **High-Resolution Audio:** Supports 24-bit/192 kHz audio and MQA for master quality audio.
- **Streaming Services:** Access popular services like Spotify, Tidal, Qobuz, and many more through the BluOS app.
- **AirPlay 2:** Stream audio directly from Apple devices.
- **Voice Control:** Compatible with voice assistants for hands-free commands (e.g., Works with Alexa).
- **IR Remote Learning:** Control the NODE using your existing IR remote.

3.3 Front Panel Controls

The top panel of the NODE features touch-sensitive controls for basic playback functions:

- **Play/Pause:** Touch the center button to play or pause music.

- **Volume Control:** Use the left and right arrows to adjust volume.
- **Track Skip:** Swipe left or right on the touch panel to skip tracks.



Figure 3.2: A user adjusting settings on the Bluesound NODE's touch-sensitive top panel.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Bluesound NODE, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid abrasive cleaners, solvents, or strong detergents.
- **Ventilation:** Ensure that the ventilation openings are not blocked. Proper airflow is crucial to prevent overheating.
- **Power:** Disconnect the power adapter from the wall outlet if the unit will not be used for an extended period.
- **Environment:** Keep the unit away from excessive heat, humidity, dust, and direct sunlight.

5. TROUBLESHOOTING

If you encounter issues with your Bluesound NODE, refer to the following common troubleshooting steps:

| Problem | Possible Cause / Solution |
|---------------------------------|---|
| No power / Status indicator off | Ensure the power adapter is securely connected to the NODE and the wall outlet. Try a different power outlet. |
| No sound output | Check all audio cable connections (RCA, Optical, Coaxial, HDMI eARC) to your amplifier or speakers. Verify the correct input is selected on your amplifier/receiver. Ensure the volume on the NODE and your audio system is not muted or set too low. Confirm the correct output is selected in the BluOS app. |

| Problem | Possible Cause / Solution |
|--|--|
| Cannot connect to Wi-Fi / Network issues | <p>Ensure your Wi-Fi network is active and within range.</p> <p>Restart your router and the Bluesound NODE.</p> <p>Try connecting the NODE directly via an Ethernet cable to rule out Wi-Fi signal issues.</p> <p>Verify Wi-Fi password is correct in the BluOS app.</p> |
| Music playback interrupted / Skipping | <p>Check your internet connection speed and stability.</p> <p>If using Wi-Fi, try moving the NODE closer to your router or using a wired Ethernet connection.</p> <p>Ensure no other devices are heavily utilizing network bandwidth.</p> |

For further assistance, please refer to the official Bluesound support resources or contact customer service.

6. SPECIFICATIONS

| Feature | Detail |
|-----------------------------|---|
| Brand | Bluesound |
| Model Name | N132BLKUNV |
| Item Weight | 5.1 pounds |
| Product Dimensions | 5.7 x 8.7 x 1.8 inches |
| Color | Black |
| Connectivity Technology | Wi-Fi, Ethernet |
| Connector Type | RCA/HDMI, Optical/Coaxial |
| Special Features | Dolby Digital decoding, Dirac Live room correction, DSD playback support |
| Resolution | 4k (Note: This likely refers to video pass-through capability if connected to a TV, not audio resolution) |
| Supported Internet Services | Spotify (and many others via BluOS app) |
| Controller Type | Button Control, App Control |
| Form Factor | Box |

7. WHAT'S IN THE BOX

The Bluesound NODE package includes the following items:

- Bluesound NODE Performance Multi-Room Hi-Res Wireless Music Streamer
- USB Power Adapter

Note: Additional cables (e.g., RCA, Optical, HDMI) are typically sold separately and may be required for your specific setup.

8. OFFICIAL PRODUCT VIDEO

Watch the official Bluesound NODE B-Roll Footage for a closer look at the product and its features.

Your browser does not support the video tag.

Video 8.1: Bluesound NODE B-Roll Footage. This video provides a visual overview of the Bluesound NODE, showcasing its design and various usage scenarios.

9. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Bluesound website or contact their customer service department. Keep your proof of purchase for warranty claims.

Online Resources: www.bluesound.com/support