



BLUESOUND NODE Performance Music Streamer Owner’s Manual

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BLUESOUND NODE Performance Music Streamer



Specifications

- Supported Audio File Formats: Various audio formats supported
- Supported High-Quality Audio File Formats: High-quality audio formats supported
- DSD Support: Yes
- Supported Multi-Channel Audio Formats: Yes
- Native Sampling Rates: Varies
- Bit Depth: Varies
- Audio Controls & EQ: Available
- DAC: Included
- Signal-to-Noise Ratio: High quality
- Distortion: Low
- Headphone Continuous Output Power (THD): Provided

Product Usage Instructions

Connecting the NODE

1. Place the NODE in a central location within your home for optimal wireless connectivity.
2. Connect the NODE to your home network using dual-band Wi-Fi or gigabit ethernet for uninterrupted music streaming.
3. Utilize the available digital and analog inputs to connect external devices such as TV, gaming consoles, or digital music libraries.

Using the BluOS App

1. Download and install the BluOS app on your smartphone, tablet, or desktop.
2. Open the app and follow the on-screen instructions to set up and connect your NODE to the app.
3. Browse, select, and stream music from various sources including streaming services, radio stations, podcasts, and your local digital music libraries.

Creating a Multiroom System

1. Pair the NODE with other Bluesound Players to create a multiroom music system controlled by BluOS throughout your home.
2. Play synchronized music in multiple rooms or different tracks in different rooms using the app on your device.

Enjoying Headphone Listening

1. Connect high-performance headphones to the 1/4 headphone jack on the NODE for audiophile listening experience.
2. Experience lifelike headphone listening with THX AAA technology providing exceptional soundstage and clarity.

Smart Acoustics with Dirac Live

1. Upgrade your NODE with Dirac Live from Dirac to optimize room acoustics for clear and balanced sound.

2. Use Dirac's app and a calibration kit with a high-sensitivity microphone for room acoustics measurement and correction.

FAQ

- **Q: Can I use Bluetooth with the NODE?**

A: Yes, the NODE features aptX Adaptive Bluetooth for wireless connectivity.

- **Q: How many presets can I program on the proximity-sensing touch panel?**

A: You can program up to five presets for quick access on the touch panel of the NODE.

- **Q: Is the NODE available in different colors?**

A: The NODE is available in matte black and white finishes to suit different home environments.

NODE

Performance Music Streamer

Simply put, there is nothing like the NODE. With re-engineered components and circuitry for even better performance, the original wireless hi-res music streamer now features an industry-leading ESS SABRE® DAC, built-in THX AAA™ headphone, aptX™ Adaptive Bluetooth, and DSD support. Connect it to your existing HiFi or audio system and stream everything from popular music streaming services and hi-res audio tracks from your personal library to radio stations, podcasts, and more. Add HDMI eARC, Dolby Digital decoding and Apple AirPlay 2, and the NODE becomes the heart of your home music experience with the wireless freedom to add and connect to other Bluesound Players around the home for multi-room music.

BETTER DOWN TO EVERY SONIC DETAIL Stream like never before and bring out every detail of your music. From audiophile-engineering and carefully selected components to its breakthrough processing power and acoustic measurements, it's all about design and engineering with the NODE. A new and improved ESS SABRE® DAC (ES9039Q2M) is precision engineered to be even more pristine with circuitry expertly designed to reduce jitter and interference. The result is clean and clear audio to your favorite amp or powered speakers.

YOUR MUSIC AND MORE From popular music streaming services to radio stations and podcasts, the NODE connects you to everything you love to listen to. Plus, with aptX™ Adaptive Bluetooth and Apple AirPlay 2 built in, you can enjoy even more music from more apps and services. Connect the NODE to digital music libraries stored on your computer or local network, and effortlessly browse and stream favorites from your collection in the BluOS app.

GO BEYOND THE HIFI SYSTEM With the NODE and multiple Bluesound Players, you can create a multi-room music system wirelessly connected by BluOS™ throughout your whole home. Play your new favorite track everywhere or listen to different music and genres in different rooms with total control from your phone, tablet, or desktop.

WORLD-CLASS HEADPHONE AMPLIFIER TECHNOLOGY Lifelike headphone listening is made possible by THX AAA™ technology, the headphone amplifier that boasts the world's most linear response. Its patented feed-forward error correction results in remarkably low noise and distortion, revealing exceptional soundstage and clarity. Connect your high-performance headphones to a full-sized 1/4" headphone jack and enjoy audiophile listening with zero compromise.

CONNECT EVERYTHING The NODE is packed with digital and analog inputs and outputs, making it incredibly versatile. You can bring in audio from your TV and gaming consoles with HDMI eARC, while dual-band Wi-Fi and gigabit ethernet keeps the music streaming without dropouts or interruptions. A proximity-sensing touch panel provides quick control and access up to five programmable presets. Available in matte black and white finishes, the NODE fits in the home perfectly.

SMART ACOUSTICS Your NODE comes ready to intelligently fight bad room acoustics with Dirac Live, available as an upgrade directly from Dirac. Use Dirac's app to measure your room acoustics and eradicate bass traps, echoes, and other unwanted distortions from your audio. The result is clear, balanced, and detailed sound for your music and movie soundtracks. A calibration kit with a high-sensitivity microphone is also required and available from Bluesound.

- ESS ES9039Q2M SABRE® DAC STEREO RCA OUTPUT
- OPTICAL, COAXIAL & USB OUTPUTS SUBWOOFER OUTPUT
- 3MM HEADPHONE OUTPUT
- THX AAA™ HEADPHONE AMPLIFIER HDMI eARC INPUT
- 5MM ANALOG/OPTICAL INPUT DIRAC LIVE READY
- 5 PROGRAMMABLE QUICK-TOUCH PRESETS
- USER-INTERFACE WITH PROXIMITY SENSOR
- BLUOS™ WIRELESS MULTI-ROOM PLATFORM
- QUAD-CORE 1.8GHZ ARM® CORTEX™ A53 PROCESSOR
- MQA AND HI-RES MUSIC STREAMING
- DSD PLAYBACK – VIA FUTURE SOFTWARE UPDATE
- AIRPLAY 2 INTEGRATION
- SPOTIFY CONNECT + TIDAL CONNECT LOCAL SERVER MODE
- DUAL-BAND WIFI + GIGABIT ETHERNET
- TWO-WAY APTX™ ADAPTIVE BLUETOOTH
- IR REMOTE LEARNING CAPABILITY 12V TRIGGER OUT
- BLACK & WHITE FINISH



Front View



Rear View

NODE SPECIFICATIONS

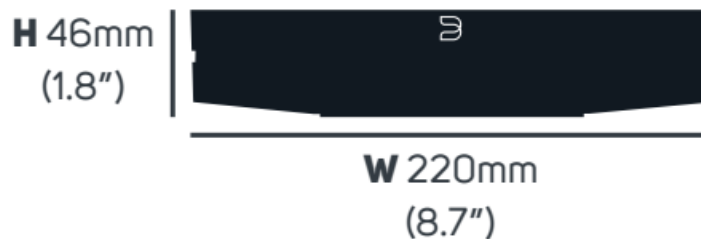
AUDIO

- **Supported Audio File Formats:** MP3, AAC, WMA, WMA-L, OGG, ALAC, OPUS
- **Supported High-Quality Audio File Formats:** FLAC, MQA, WAV, AIFF, MPEG-4 SLS
- **DSD Support:** DSD256, available via future BluOS update
- **Supported Multi-Channel Audio Formats:** Dolby Digital®
- **Native Sampling Rates:** up to 192 kHz
- **Bit Depth:** 16-24
- **Audio Controls & EQ:** BluOS Controller App
- **DAC:** ESS ES9039Q2M
- **Signal-to-Noise Ratio:** -118 dB
- **Distortion:** THD+N, 0.0007%
- **Headphone Continuous Output Power (THD<0.1%):** 160mW, 16Ω / 230mW, 32Ω / 53mW, 250Ω / 22mW,



SOFTWARE & INTEGRATIONS

- **Operating System:** BluOS
- **App Controller Operating System:** iOS, Android, Windows, macOS
- **Processor:** ARM® Cortex™ -A53, Quad-Core, 1.8GHz per core
- **Supported Network File Sharing:** Server Message Block (SMB) up to 200,000 files
- **Album Art Supported:** JPG, PNG
- **Music Services & Internet Radio:** 23+
- **3rd-Party Integrations:** AirPlay 2, Spotify Connect, Tidal Connect, Roon Ready, Dirac Live Ready
- **Control System Integrations:** Crestron, Control4, RTI, ELAN, URC, Lutron
- **Voice Control Integrations:** Amazon Alexa Skills



CONNECTIONS

- **Power Supply:** Universal bi-pin AC cord input (100-240AC)
- **Ethernet/LAN:** Ethernet RJ45, Gigabit 1000 Mbps
- **Wi-Fi Built In:** Wi-Fi 5 (802.11ac), dual-band
- **Bluetooth Quality:** Bluetooth 5.2 aptX Adaptive
- **Bluetooth Connectivity:** Two-Way (transmit & receive)
- **IR Optical Built In:** IR Sensor Built In – front panel with IR Remote Learning
- **Optical/Analog Input:** Combo – Mini TOSLINK/Stereo 3.5mm
- **IR Input:** 5mm Jack
- **HDMI Input:** HDMI eARC
- **USB IN:** Type A (Fat32 Formatted) – External Storage only; Local Server Mode
- **Audio Output:** Analog RCA Stereo with Fixed option; USB Audio 2.0 (Type A)

- **Coaxial Output:** RCA
- **Optical Output:** TOSLINK digital optical
- **Trigger Out:** 12 Volt
- **Headphone Output:** 3mm Stereo; Bluetooth
- **Subwoofer Output:** RCA x 1; Wireless to PULSE SUB+

USER INTERFACE & CONTROL

- **Status Indicator:** LED x2
- **Play/Pause Button:** Touch LED
- **Volume Control Buttons:** Touch Slider LED
- **Preset Buttons:** Touch LED x 5
- **Proximity Sensor:** Yes

GENERAL

- **Finish:** Black or White: Matte Satin Paint
- **Storage Environment:** -10°C to 50°C, 20% to 80% relative humidity
- **Operating Environment:** 0°C to 40°C
- **Version:** N132 all specifications subject to change without notice

Product Dimensions

220 x 46 x 146 mm (W x H x D)

8.7 x 1.8 x 5.7 in (W x H x D)*

Weight: 1.09kg/2.4lbs

Non-metric measurements are approximate.

Included Accessories

- 120V AC Power Cord
- 230V AC Power Cord
- Stereo RCA to RCA Cable
- Ethernet Cable
- Mini Jack to Toslink Adapter
- Safety/Warranty Guide
- Quick Setup Guide
- Dirac Live Ready Info Card

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Documents / Resources



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N132, NODE Performance Music Streamer, NODE, Performance Music Streamer, Music Streamer, Streamer

References

- [Wireless multi-room speakers and components for music streaming - Bluesound](#)
- [User Manual](#)

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