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
- 6.3MM HEADPHONE OUTPUT
- THX AAA™ HEADPHONE AMPLIFIER
- HDMI eARC INPUT
- 3.5MM 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
- 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

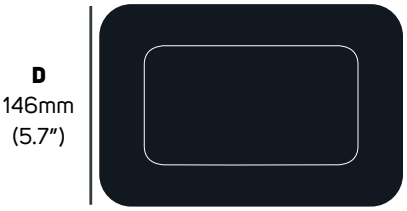
Front View

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
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, 600Ω
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:	3.5mm 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:	6.3mm 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





W 220mm
(8.7")

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

BLUESOUND

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