NODE NANO

Wireless Music Streamer



The NODE NANO is your music streaming essential. Just plug it in to your stereo system, connect to Wi-Fi, and start streaming. Music, radio stations, podcasts, and more from your favorite services with BluOS™, Apple AirPlay 2, and aptX™ Adaptive Bluetooth. With an industry-leading ESS SABRE® DAC and audiophile-engineered circuitry, the NODE NANO supports audio up to 24-bit/192kHz for unmatched clarity and depth. Add more than one NODE NANO, or group with Bluesound wireless speakers around the home, and enjoy music in bit-perfect quality in any and every room with easy multi-room control from the BluOS Controller App.

FOR THE AUDIO OBSESSED Every detail matters with the NODE NANO. From carefully built audio circuitry and components, to its breakthrough processing power and acoustic measurements, it's all about design and engineering. At its very core is a flagship ESS SABRE® DAC with Hyperstream® IV technology to deliver FLAC, WAV, AAC, and MQA music (up to 24-bit/192kHz) with breathtaking dynamics and ultra-low distortion. Rule your sonic domain like never before and bring out the best in your music.

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

GO BEYOND THE HIFI SYSTEM With NODE NANO 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.

SIMPLE AND EASY The NODE NANO is simply designed to connect to any audio system or powered speakers in the house. Compact and easy to set up with RCA, Coax, Optical, and USB outputs, while dual-band Wi-Fi and gigabit ethernet keeps the music streaming without dropouts or interruptions. A backlit front touch panel provides quick control and access to one-touch presets. Its beautiful black matte matches perfectly with stereo components or in an AV rack with support for popular smarthome control systems including Control4, Crestron, and more.

- ESS ES9039Q2M SABRE® DAC
- STEREO RCA OUTPUT
- OPTICAL, COAXIAL & USB OUTPUTS
- 2 PROGRAMMABLE QUICK-TOUCH PRESETS
- 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
- SIMPLE WALL MOUNTING SYSTEM
- BLACK FINISH

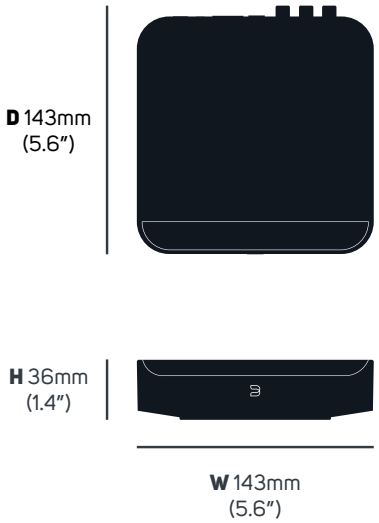
Front View

Rear View

NODE NANO 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
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%
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
Control System Integrations:	Crestron, Control4, RTI, ELAN, URC, Lutron
Voice Control Integrations:	Amazon Alexa Skills
CONNECTIONS	
Power Supply:	USB-C (5V-2A)
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
IR Input:	3.5mm Jack
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:	Bluetooth
Subwoofer Output:	Wireless to PULSE SUB+
USER INTERFACE & CONTROL	
Status Indicator:	LED
Play/Pause Button:	Touch LED
Volume Control Buttons:	Touch LED
Preset Buttons:	Touch LED x 2
GENERAL	
Finish:	Black: Matte Satin Paint
Mounting:	Bottom-panel keyhole slots
Storage Environment:	-10°C to 50°C, 20% to 80% relative humidity
Operating Environment:	0°C to 40°C
Version:	N030

* all specifications subject to change without notice



Product Dimensions

143 x 36 x 143mm (W x H x D)

5.6 x 1.4 x 5.6 in (W x H x D)*

Weight: 0.57kg / 1.26lbs

*Non-metric measurements are approximate.

Included Accessories

- USB Power Supply
- 4x International Plug Adapter
- USB-C Power Cable
- Stereo RCA to RCA Cable
- Ethernet Cable
- Safety/Warranty Guide
- Quick Setup Guide

BLUESOUND

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