

NODE ICON

Reference Music Streamer

PRELIMINARY



From iconic to icon. The NODE ICON is a flagship wireless music streamer for the audio obsessed. Every detail of the design has been carefully engineered to the highest standard of performance, from its breakthrough Bluesound Dual-Mono design with two ESS SABRE® ES9039Q2M DAC chipsets implemented to perfection, to its sleek aluminum chassis and beautiful 5" full-colour display. The NODE ICON seamlessly connects to any high-performance amplifier, powered speakers or headphones, bringing BluOS hi-res streaming, Apple AirPlay 2, THX AAA™ technology, aptX™ Adaptive Bluetooth® and DSD support to your existing stereo setup. With HDMI eARC, Dolby Digital and Dirac Live Ready, you can also transform the way you experience music and TV with Dolby downmixing and state-of-the-art room correction technology.

BENCHMARK SOUND QUALITY With carefully selected componentry, and a masterfully engineered Bluesound Dual-Mono design with two ESS SABRE® ES9039Q2M DAC chipsets, the NODE ICON sets a new benchmark for wireless music streamers. It uses the latest fourth generation ESS Hyperstream® technology to let you experience sound with superior dynamic range, ultra-low distortion, and the highest possible resolution ever heard. From engineering to performance, the NODE ICON is the best streamer we've ever built.

BEAUTIFULLY DESIGNED FOR THE AUDIO OBSESSED The NODE ICON features an all-new industrial design, with an aluminium cabinet construction, seamlessly integrated with the large front glass panel and the gorgeous 5" non-touch display. Its sleek gloss black finish blends seamlessly into any existing setup, with audiophile-grade connections to support high-quality performance. It also features built-in IR learning and a proximity-sensing touch panel that provides quick control and access for up to five programmable presets, volume and playback controls.

STREAM EVERYTHING Stream all the music ever recorded, from popular music streaming services to your own digital music libraries, and access everything you listen to, including hi-res FLAC, MQA and DSD 256, in the BluOS app. Apple AirPlay 2 and aptX™ Adaptive Bluetooth® are also built-in to let you enjoy even more music from more apps and services. With HDMI eARC, you can easily connect the NODE ICON to your TV with a single cable and bring hi-res music streaming together with your movie and gaming experiences.

GO BEYOND THE HIFI SYSTEM The NODE ICON can wirelessly connect to Bluesound speakers and stereo components to create a multi-room music system connected by BluOS® throughout your whole home. With dual-band Wi-Fi for dropout free listening, you can 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 the left or right full-sized 1/4" headphone jacks and enjoy audiophile listening without fuss or compromise.

SMART ACOUSTICS The NODE ICON 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.

BLUESOUND DUAL-MONO DAC DESIGN
2X ESS ES9039Q2M SABRE® DAC
BALANCED XLR OUTPUT
STEREO RCA OUTPUT
OPTICAL, COAXIAL, USB OUTPUTS
SUBWOOFER OUTPUT
2X 6.3MM HEADPHONE OUTPUT
THX AAA™ HEADPHONE AMPLIFIER
HDMI eARC INPUT
USB-C INPUT
STEREO RCA + OPTICAL TOSLINK INPUT
ESS ES9826 SABRE® ADC
5" NON-TOUCH COLOUR DISPLAY
5 PROGRAMMABLE QUICK-TOUCH PRESETS
USER INTERFACE WITH PROXIMITY SENSOR
BLUOS™ WIRELESS MULTI-ROOM PLATFORM
QUAD-CORE 1.8GHZ ARM® CORTEX™ A53 PROCESSOR
DIRAC LIVE READY
MQA AND HI-RES MUSIC STREAMING
DSD256 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 FINISH

BLUESOUND

BLUESOUND.COM

NODE ICON SPECIFICATIONS

PRELIMINARY

AUDIO

Supported Audio File Formats:	MP3, AAC, WMA, WMA-L, OGG, OPUS
Supported High-Quality Audio File Formats:	FLAC, MQA, ALAC, 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 x2
Signal-to-Noise Ratio:	TBD
Distortion:	TBD
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
IR Input:	3.5mm Jack
Optical/Analog Input:	Toslink Optical, RCA Analog
HDMI Input:	HDMI eARC
USB IN:	Type A (Fat32 Formatted) - External Storage only; Local Server Mode
USB (other):	USB Type C (PC input)
Audio Output:	Analog RCA Stereo with Fixed option; Balanced XLR 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/1/4" Stereo x2; Bluetooth
Subwoofer Output:	RCA x 1; Wireless to PULSE SUB+

USER INTERFACE & CONTROL

Status Indicator:	LED
Play/Pause Button:	Touch LED
Volume Control Buttons:	Touch Slider LED
Previous/Next Track Buttons:	Touch LED
Preset Buttons:	Touch LED x 5
Proximity Sensor:	Yes
Display:	5" Non-touch display

GENERAL

Finish:	Black: Anodized Aluminum
Storage Environment:	-10°C to 50°C, 20% to 80% relative humidity
Operating Environment:	0°C to 40°C
SKU/Version:	N530

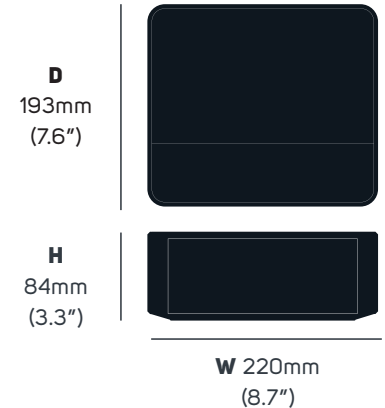
* all specifications subject to change without notice



Front View



Rear View



Product Dimensions

220 x 84 x 193 mm (W x H x D)

8.7 x 3.3 x 7.6 in (W x H x D)*

*Non-metric measurements are approximate.

Included Accessories

- 120V AC Power Cord
- 230V AC Power Cord
- Ethernet Cable
- Stereo RCA to RCA Cable

BLUESOUND

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