NODE ICON

Reference Music Streamer



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 Dual-Mono DAC design implemented to perfection with two flagship ESS SABRE ES9039Q2M DACs, 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, and more 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 immersive sound and state-of-the-art room correction technology.

BENCHMARK SOUND QUALITY With carefully selected componentry, and a masterfully engineered Dual-Mono DAC design, the NODE ICON sets a new benchmark for wireless music streamers. It uses two of the latest ESS SABRE® ES9039Q2M DACs and a transparent circuitry design to deliver sound with superior dynamic range, ultra-low distortion, and the highest possible resolution ever heard. DAC performance is further enhanced by MQA Labs' revolutionary technology, QRONO d2a, which corrects any timing errors in the digital-to-analogue conversion process and realigns the timing response to the original recording.

BEAUTIFULLY DESIGNED FOR THE AUDIO OBSESSED With a bold industrial design for the next generation of HiFi, the NODE ICON features a high-quality aluminum chassis, balanced XLR outputs, and a beautiful 5" full-colour HD display. Its sleek gloss black finish blends seamlessly into any existing setup, with audiophile-grade connections to support high-quality performance. It also supports DSD playback and features the latest two-channel ES9826 SABRE ADC for true-to-source analog audio with virtually no noise or distortion.

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 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 eliminate standing waves, reverberations, and other unwanted distortions. 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 with additional purchase.

- 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

NODE ICON SPECIFICATIONS

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:	XLR: -129dB, RCA: -121dB
Distortion:	THD+N, 0,0004%
Headphone Continuous Output Power (THD<0.1%):	160mW, 16Ω / 235mW, 32Ω / 56mW, 250Ω / 23mW, 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

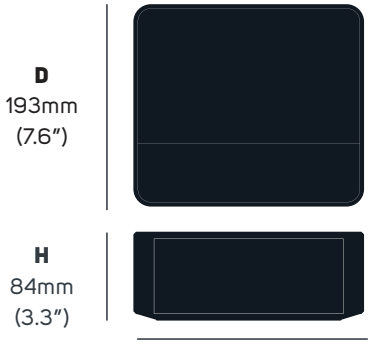
* all specifications subject to change without notice



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)*

Weight: 2.23kg/4.92lbs

*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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