POWERNODE

Multi-Room Music Streaming Amplifier



POWERFUL DIRECTDIGITAL™ AMPLIFICATION The POWERNODE is driven by Bluesound's refined DirectDigital™ amplification platform, delivering 100 watts per channel into 8 ohms with exceptional detail and minimal distortion. Whether you're streaming hi-res tracks or watching your favorite show, it brings out the full potential of your movies and music.

SIMPLE AV INTEGRATION Designed with modern living in mind, the POWERNODE connects to your TV through HDMI eARC, supports center channel output, and pairs wirelessly with Bluesound rear speakers and subwoofers. It's the all-in-one AV solution that keeps setup clean without compromising sound.

HI-RES STREAMING WITH BLUOS BluOS puts over 20 streaming services, thousands of internet radio stations, and your local music library at your fingertips. Stream in up to 24-bit hi-res audio across multiple rooms or enjoy direct playback from your phone or tablet. The BluOS Controller app makes it all effortless.

MODERN DESIGN, INTUITIVE CONTROL a sleek form factor, glass touch panel, and proximity sensor, the POWERNODE blends into any space. Five quick-access presets and responsive touch controls make playback feel immediate and intuitive, whether it's sitting on a shelf or tucked behind a TV.

VERSATILE CONNECTIONS FOR ANY SETUP Plug into anything with USB-C, HDMI eARC, optical and analog inputs, aptX Adaptive Bluetooth®, and THX AAA™ headphone amplification. From passive speakers and TVs to wired headphones and subs, the POWERNODE is ready for it all.

- DIRECTDIGITAL™ AMPLIFIER WITH GAN FETS
- 100 WATTS PER CHANNEL IN TWO CHANNEL STEREO MODE
- 80 WATTS PER CHANNEL IN THREE CHANNEL LCR MODE
- LEFT-CENTER-RIGHT SPEAKER OUTPUT
- SUBWOOFER OUTPUT
- 6.3MM HEADPHONE OUTPUT
- THX AAA™ HEADPHONE AMPLIFIER TECHNOLOGY
- HDMI eARC, USB-C AUDIO INPUT, OPTICAL TOSLINK INPUT, STEREO RCA INPUT
- 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 (AVAILABLE VIA FUTURE SOFTWARE UPDATE)
- MQA AND HI-RES MUSIC STREAMING
- DSD256 PLAYBACK
- AIRPLAY 2 INTEGRATION
- SPOTIFY CONNECT + TIDAL CONNECT
- LOCAL SERVER MODE
- DUAL-BAND WIFI + GIGABIT ETHERNET
- BLUOS™ BONDED SPEAKER LINK
- TWO-WAY APTX™ ADAPTIVE BLUETOOTH
- IR REMOTE LEARNING CAPABILITY
- BLACK OR WHITE FINISH

POWERNODE 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 Depths:	16-24
Audio Controls & EQ:	BluOS Control App
Signal-to-Noise Ratio:	-102dBA
Distortion:	THD+N, 0.005%
Amplification:	DirectDigital™
Rated Power Output:	100W x 2 | 80W x 3 (8 Ohms)
IHF Dynamic Power:	265W (4 Ohms) | 140W (8 Ohms)
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 Messsage 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 (available via future software update)
Control System Integrations:	Creston, Control4, RTI, Nice, URC, Lutron
Voice Control Integrations:	Amazon Alexa Skills
CONNECTIONS	
Power Supply:	Universal 3-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, 3.5mm Optical/Analog Combo
HDMI Input:	HDMI eARC
USB IN:	Type A (Fat32, NTFS Formatted) - External Storage Only Local Server Mode
USB (other):	USB Type C (PC input)
Headphone Output:	6.3mm/1/4" Stereo, Bluetooth
Subwoofer Output:	RCA x 1; Wireless to PULSE SUB+
Speaker Terminals:	5-Way Binding Post
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
SKU/Version:	N331

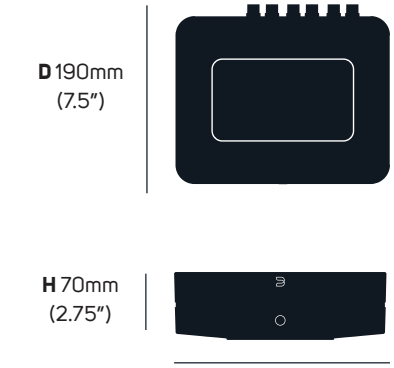
* all specifications subject to change without notice



Front View



Rear View



Product Dimensions

220 x 70 x 190 mm (W x H x D)

8.7 x 2.75 x 7.5 in (W x H x D)*

Weight: 1.9 kg / 4.18 lbs

*Non-metric measurements are approximate.

Included Accessories

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

BLUESOUND

© Bluesound International. Bluesound, the stylized wordmark and "B" logotype, the phrase "HiFi for a wireless generation", POWERNODE and all other Bluesound product names and taglines are trademarks or registered trademarks of Bluesound International, a division of Lenbrook Industries Limited. Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. All other logos and services are trademarks or service marks of their respective owners. 25-007 © 05/25 Bluesound.