

# POWERNODE

Wireless Music Streaming Amplifier



**JUST ADD SPEAKERS.** The POWERNODE is the amp reinvented, the streaming amplifier that merges several traditional components into one and unlocks a world of high-fidelity streaming. A high-grade DAC delivers up to 24-bit/192 kHz of hi-res, studio-quality music, including support for FLAC, MQA, and other popular formats. Source, control, and amplification come packed into the compact and minimalist POWERNODE, allowing you to stream your music from dozens of sources to your favorite speakers effortlessly, in up-to 24-bit hi-res, with 80 watts per channel of low-distortion power. Permission to turn it up, granted.

**HI-RES MUSIC. EVERYWHERE.** One or many rooms, the POWERNODE is a versatile workhorse for any listening set-up. Just add speakers for a traditional 2-channel audiophile listening system. Add the wireless PULSE SUB+ to create an enhanced 2.1 listening experience. Bring in a pair of PULSE FLEX 2i as rear channel additions to create a Dolby® surround sound wireless home theatre. Or sprinkle other Bluesound players around your home for a whole-home multi-room audio solution. Additional hands-free controls are available through voice assistants like Siri, Google Voice, or Alexa. For professional smarthome installers, full-feature drivers are available for Lutron, Crestron, RTI, Elan, and other popular control systems.

**PLAYS WELL WITH OTHERS.** The POWERNODE is equipped with an array of digital and analog inputs and outputs, including HDMI eARC, dual-band Wi-Fi and Gigabit Ethernet, Apple Airplay2, aptX HD Bluetooth, digital optical, 3.5mm auxiliary, and USB Type-A connectors. Stream music through your POWERNODE from dozens of internet radio stations and premium streaming services, or connect Bluetooth devices, TV and gaming consoles, network or local hard drives, nearby Apple devices, CD players, and many others. Power your music into your favorite speakers, Bluetooth headphones, wired headphones, or group it with other Bluesound players quickly and easily.

HYBRIDDIGITAL™ AMPLIFIER PLATFORM  
80 WATTS PER CHANNEL INTO 8 OHMS  
QUAD-CORE 1.8GHz ARM® CORTEX™ A53 PROCESSOR  
32-BIT/384kHz PREMIUM DAC DESIGN  
HDMI eARC, OPTICAL & ANALOG INPUTS  
BluOS™ WIRELESS MULTI-ROOM MUSIC CAPABILITY  
WIRELESS DOLBY® SURROUND SOUND  
MQA MUSIC AND HI-RES AUDIO STREAMING  
AIRPLAY 2 INTEGRATION  
WORKS WITH AMAZON ALEXA AND GOOGLE ASSISTANT  
DUAL-BAND WI-FI + GIGABIT ETHERNET  
TWO-WAY aptX™ HD BLUETOOTH  
IR REMOTE LEARNING CAPABILITY  
IR INPUT  
WIRED & WIRELESS HEADPHONE OUTPUT  
WIRED & WIRELESS SUBWOOFER OUTPUT  
TOUCH CONTROLS WITH PRESETS  
BLACK OR WHITE FINISH

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Front View



Rear View

## POWERNODE Specifications

<b>Operating System:</b>	BluOS
<b>Supported Controller Operating System:</b>	iOS, Android, Windows Vista, 7, 8, 10, macOS 10.10-10.15, 11
<b>Supported Audio File Formats:</b>	MP3, AAC, WMA, WMA-L, OGG, ALAC, OPUS
<b>Supported Hi-Res Audio File Formats:</b>	FLAC, MQA, WAV, AIFF, MPEG-4 SLS
<b>Supported Multi-Channel Audio Formats:</b>	Dolby Digital
<b>Supported Network File Sharing:</b>	Server Message Block (SMB)
<b>Native Sampling Rates:</b>	up to 192 kHz
<b>Bit Depths:</b>	16-24
<b>Music Service Integrations:</b>	23+
<b>3rd-Party Integrations:</b>	AirPlay 2 Apple Wireless Accessory Configuration (WAC)
<b>Control System Integrations:</b>	Crestron, Control 4, RTI, ELAN, URC, Push, Lutron, iPod
<b>Voice Control Integrations:</b>	Amazon Alexa Skills; Actions on Google

### Features

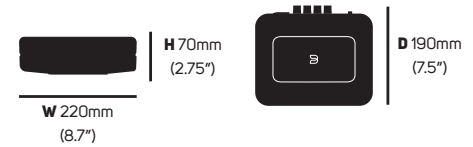
<b>Status Indicator:</b>	LED x 2
<b>Play/Pause Button:</b>	Touch LED
<b>Volume Control Buttons:</b>	Touch Slider LED
<b>Previous/Next Track Buttons:</b>	Touch LED
<b>Preset Buttons:</b>	Touch LED
<b>Proximity Sensor:</b>	Yes
<b>Audio Controls &amp; EQ:</b>	In-App
<b>Processor:</b>	ARM® Cortex™ -A53, Quad-Core, 1.8GHz per core
<b>DAC:</b>	32-Bit, 384kHz
<b>Signal-to-Noise Ratio:</b>	-100dBA
<b>Distortion:</b>	THD+N, 0.008%
<b>Amplification:</b>	HybridDigital™
<b>Rated Power Output:</b>	80W x 2 (8 Ohms)
<b>IHF Dynamic Power:</b>	220W (4 Ohms) / 130W (8 Ohms)

### Connections

<b>Power:</b>	Universal bi-pin AC cord input (100-240AC)
<b>Ethernet/LAN:</b>	Ethernet RJ45, GigE 1000 Mbps
<b>Wi-Fi Built In:</b>	Wi-Fi 5 (802.11ac), dual-band
<b>Bluetooth Quality:</b>	Bluetooth 5.0 aptX HD
<b>Bluetooth Connectivity:</b>	Two-Way (transmit & receive)
<b>IR Optical Built In:</b>	IR Sensor Built In - front panel with IR Remote Learning
<b>IR Input:</b>	3.5mm Jack
<b>Optical/Analog Input:</b>	Combo Mini TOSLINK; 3.5mm Analog Line In x2
<b>HDMI Input:</b>	HDMI eARC
<b>USB IN:</b>	Type A (Fat32 Formatted)
<b>Headphone Output:</b>	3.5mm Stereo; Bluetooth
<b>Subwoofer Output:</b>	RCA x 1; Wireless to PULSE SUB+
<b>Speaker Terminals:</b>	5-Way Binding Post

<b>Finish:</b>	Black/White
<b>Version:</b>	N330

\* all specifications subject to change without notice



### Product Dimensions

220 x 70 x 190mm (W x H x D)  
8.7 x 2.75 x 7.5 in (W x H x D)\*  
**Weight:** 1.78kg/3.9 lbs

### Included Accessories

- 120V AC Power Cord
- 230V AC Power Cord
- Ethernet Cable
- TOSLINK Optical to 3.5mm Mini Adaptor x 2
- Safety/Warranty Guide
- Quick Setup Guide

\* Non-metric measurements are approximate.

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