

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

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

Features

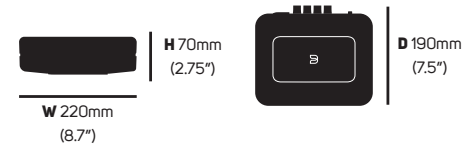
Status Indicator:	LED x 2
Play/Pause Button:	Touch LED
Volume Control Buttons:	Touch Slider LED
Previous/Next Track Buttons:	Touch LED
Preset Buttons:	Touch LED
Proximity Sensor:	Yes
Audio Controls & EQ:	In-App
Processor:	ARM® Cortex™ -A53, Quad-Core, 1.8GHz per core
DAC:	32-Bit, 384kHz
Signal-to-Noise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

Connections

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

Finish:	Black/White
Version:	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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