

B240M

GENERATIVE AMPLIFIER

[PRELIMINARY]



The 'Moodsonic Powered by Bluesound Professional' B240M brings intelligent, generative soundscaping to a PoE plenum amplifier. The B240M contains the processing and amplification power needed to enable Moodsonic's zonal, sensor-adaptive soundscapes that dynamically respond to noise, occupancy, and activity type. Integrated with the Moodsonic platform, the B240M simplifies design, specification, deployment, and ongoing optimization—making soundscaping scalable and modular across workplaces, healthcare, education and beyond.

Featuring one BluOS zone and four channels of amplification, the B240M enables Moodsonic's soundscaping platform, alongside networked music streaming, advanced audio processing, and speaker amplification in a single, compact platform. With support for low impedance and constant voltage (70V / 100V) speaker systems, the B240M delivers a unique all-in-one solution for deploying generative soundscapes across commercial environments without the need to assemble multiple devices.

The B240M features a patented PoE power architecture that delivers up to 180 watts to the plenum-rated amplifier while providing full network connectivity over standard Ethernet cabling. This approach reduces installation complexity, lowers infrastructure requirements, and allows greater flexibility in device placement compared to traditional powered amplifiers. By fusing together Moodsonic soundscaping, streaming, switching, DAC, amplification, and local content storage into a single unit, the B240M offers a reduced footprint and a more cost-effective, streamlined deployment model for soundscaping projects.

Designed for decentralized hub-and-spoke audio architectures, the B240M reduces cable runs, simplifies system design, and allows soundscapes to be tailored to individual spaces. For deployments where centralized equipment is required for all or select zones, The B240M can also be rack mounted and used as a standard BluOS-enabled streaming amplifier, offering flexibility across system designs.

The B240M is plenum rated and supports free-standing, surface-mounted, or rack-mounted installation, enabling flexible placement throughout commercial spaces. Built-in local music storage eliminates the need for an external NAS, while integration with Bluesound Professional's business music partners enables centralized music management through the BluOS platform. With the included USB mic array and on-device processing, soundscapes agenerated on the B240M can be fully adaptive to real-time changes in noise levels, occupancy, and activity type and provide actionable analytics about the acoustic environment via the Moodsonic Insights application.

[PRELIMINARY]



FEATURES

- Network streaming multichannel amplifier designed for commercial applications
- Engineered to run Moodsonic’s generative soundscaping platform
- Two BluOS zones with four channels of amplification
- Support for low impedance and constant voltage (70V / 100V) speaker systems
- Patented PoE power architecture for up to 180 watts over Ethernet
- Reduced footprint compared to multi-device competitive solutions
- Decentralized hub-and-spoke architecture for soundscaping deployments
- Rack-mountable design for centralized or hybrid system integration
- Plenum-rated construction suitable for commercial environments
- Built-in local music storage – no external NAS required
- Integration with Bluesound Professional business music partners
- Centralized control and music management via the BluOS platform
- Independent volume control for each zone of BluOS audio
- Flexible surface and mounted installation options

SYSTEM	Weight:	4 kgs/8.8 lbs
	Length:	38.5 cm/15.2"
	Width:	22 cm/8.7"
	Height:	4.6 cm/1.8"