



MICROFLEX™ MXN-AMP POE-POWERED AMPLIFIER

OVERVIEW

Multichannel PoE+ powered amplifier designed for speech and program audio reproduction in meeting rooms. When used with Microflex Ecosystem microphones, DSP, and loudspeakers, they deliver room-filling sound, quick installation in a variety of room types, end-to-end audio encryption, and the efficiency of a single-source solution.

FEATURES

- Provides power for up to 4 MXP loudspeakers in 8 ohm mode, or up to 8 MXP-5/MXP-6 loudspeakers in 70V mode
- Rated at 14.5 watts of combined output power
- Four Dante inputs and four Dante outputs
- Unbalanced stereo analog audio input
- Logic input (switches between presets 1 and 2 as defined in web UI)
- Onboard Shure DSP utilities include EQ, delay, limiter, and signal/tone generator
- Presets for all MXP-series loudspeakers ensure optimal audio performance. Custom presets can be defined in the MXN-AMP web-based control software
- Rack mountable with available CRT-1 rack tray and wall or ceiling mounted (Note: Shure recommends the use of an additional safety tether for overhead components.)
- Supports standards-based security protocols to manage access and protect data, including 802.1x, secure boot/storage, and AES encryption for control and audio data
- Seamless connectivity and compatibility with popular collaboration platforms, including Microsoft Teams and Zoom

SPECIFICATIONS

(subject to change) All specifications are within ± 3 dB unless otherwise noted.

Connector Type	Logic Input: 3-pin connector, 0.2 in. (5.08mm) pitch, Dinkle 2ESDV-03P LoZ Output: 2-pin connector, 0.2 in. (5.08mm) pitch, Dinkle 2ESDV-02P 70V Output: 2-pin connector, 0.295 in. (7.5mm) pitch, Dinkle 7ESDV-02P
Audio Inputs	4 Dante in, 1 3.5 mm TRS connector with two audio line level inputs
Control Input	1 logic in
Audio Outputs	4 Dante output channels, 4 LoZ loudspeaker outputs, 1 70V loudspeaker output
Output Power Per Channel	LoZ Mode: 3.25W 70V Mode: 11.7W
Power Input	Power over Ethernet (PoE) or PoE+ over RJ45 (48 V = 25.5 W MAX)
Weight	2.43 lbs (1.1kg)
Product Dimensions	7.95 x 7 x 1.57 in. (202 x 178 x 40 mm) L x W x H
Control Software	Shure Designer
Plenum Rating	Suitable for use in air plenums per NEC section 300.22(c) and/or IMC section 602
Operating Temperature Range	-7 to 40°C (19.4 to 104°F)
Digital Signal Processing	Gain/Mute, Delay, EQ, Limiter, Speaker Presets
Latency	2.2 ms typical, 2.5 ms max (add 1 ms for Dante)



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