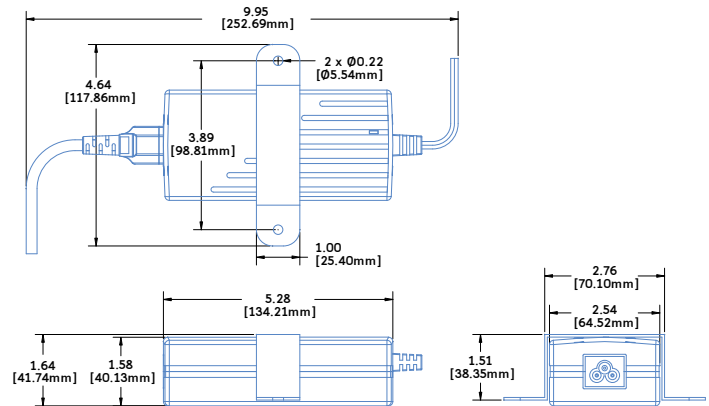


MPS-481 : Power Supply



MPS-481 (shown without mounting bracket)



The MPS-481 external power supply provides DC power for a single MM-4XP loudspeaker. The MM-4XP is a self powered, miniature loudspeaker designed for high-quality distributed systems. Housed in a compact aluminum enclosure, the MM-4XP is especially suitable for installations involving space limitations and visibility concerns.

The MPS Power Supplies are the required method of powering MM-4XP loudspeaker systems. The compact MPS-481 is designed for powering single loudspeakers, while the rackmount 8-channel MPS-488HP is ideal for larger installations with multiple loudspeakers.

The MPS-481 includes a 10-foot cable that

receives balanced audio from its XLR female input connector and routes the audio, along with 48 V of DC power from the power supply to a Switchcraft® EN3™ 5-pin connector that attaches to the MM-4XP input connector.

The MPS-481 can deliver DC power to the MM-4XP loudspeaker at cable lengths of up to 300 feet with just 1 dB of loss in peak SPL using 18 AWG wire. The use of composite multiconductor cables (such as Belden® 1502) allows a single cable to carry both audio and DC power from the MPS-481 to the loudspeaker. Longer cable lengths are possible for moderate applications that don't drive the loudspeakers to maximum output, as well as for installations with heavier wire gauges.

Amplifier and signal processing circuits for the MM-4XP are designed to tolerate voltage drops up to 30 percent, thereby accommodating light-gauge cables and long cable runs. Internal energy storage circuits for the MM-4XP minimize the system's peak-to-average current demands, ensuring efficient use of the MPS-481's 48 V DC output.

The MPS-481 includes a bracket for mounting the power supply on walls and ceilings.

** The MPS-481 power supply is only compatible with MM-4XP loudspeakers and can power a maximum of one unit. The MPS-481 is not compatible with other larger 48 V DC loudspeakers, like the UP-4XP, HMS-10, and MM-10XP models.*

SPECIFICATIONS

Voltage Selection	Automatic
Operational Voltage Range	90–264 V AC
Safety Agency Voltage Rating	100–240 V AC; 50/60 Hz
Note: Voltages above 264 V AC may cause permanent damage to the power supply. Voltages below 90 V AC may result in intermittent operation.	
Current Draw	
Idle Current	0.19 A rms (110 V AC), 0.10 A rms (230 V AC), 0.20 A rms (100 V AC)
Max. Long-Term Continuous Current (>10 sec)	0.43 A rms (110 V AC), 0.30 A rms (230 V AC), 0.50 A rms (100 V AC)
Burst Current (<1 sec)	0.52 A rms (110 V AC), 0.34 A rms (230 V AC), 0.60 A rms (100 V AC)
Inrush Current	26.4 A peak (110 V AC), 41.2 A peak (230 V AC), 25.2 A peak (100 V AC)
Output Voltage	48 V DC
AC Input Connector	IEC 320 C6
DC Output Connector	Molex® 43645-0200, cable length approximately 6 ft (1.83 m)
Power Indicator	Green LED on top of unit
Dimensions	9.95" w x 1.58" h x 2.54" d (252.69 mm x 40.13 mm x 64.52 mm)
<i>(with bracket)</i>	9.95" w x 1.64" h x 2.76" d (252.69 mm x 41.74 mm x 70.10 mm)
Weight	1.0 lbs (0.46 kg)



MPS-481 — 04.163.036.01 A
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