

UPM-1XP : 48 V DC UltraCompact Wide Coverage Loudspeaker



The UPM-1XP is a compact, externally powered loudspeaker for professional sound reinforcement. It is ideally suited for wide-coverage applications requiring a small, inconspicuous cabinet. The UPM-1XP delivers the same high sound pressure levels, low distortion, and uniform directional control as the UPM-1P while also offering all the advantages of external DC power, making it an elegant solution for installations where AC cabling is not feasible. Powering the UPM-1XP from an external MPS power supply affords the flexibility of lengthy cable runs without conduits.

As a standalone loudspeaker, the UPM-1XP can be used for vocal reinforcement, frontfill coverage, or delay coverage for under-balcony applications. For full-range systems, the UPM-1XP can be paired with Meyer Sound's UMS-1XP ultracompact subwoofer.

The UPM-1XP's high-frequency section includes a 1-inch metal dome tweeter on a constant-directivity, high-frequency horn with a 100-degree beamwidth. The low/mid-frequency section includes two 5-inch cone transducers that work in parallel at low frequencies — delivering a combined acoustic output — with one of the drivers rolling off above 320 Hz to prevent interference in the crossover region due to comb filtering effects. The proprietary drivers, which are manufactured at Meyer Sound's factory in Berkeley, California, are powered by three channels of onboard power amplification that include an active crossover, driver protection, and frequency and phase correction circuitry.



- Dimensions** 6.85" w x 18.00" h x 7.70" d (368 mm x 508 mm x 305 mm)
- Weight** 17 lbs (7.7 kg)
- Enclosure** Premium birch plywood
- Finish** Black textured
- Protective Grille** Powder-coated, hex-stamped steel mesh
- Rigging** Three 3/18"-16 or metric M10 nut plates

The UPM-1XP receives DC power and balanced audio from a single loudspeaker connector, available as a Phoenix™ 5-pin male, sealed SwitchCraft® EN3™ male, or sealed ECO-M 7-pin male. The use of composite multiconductor cables (such as Belden® 1502 or equivalent) allows a single cable to carry both DC power and balanced audio to the UPM-1XP. The loudspeaker's amplifier and signal-processing circuits store DC power and tolerate voltage drops, thereby accommodating light-gauge cables and lengthy cable runs.

UPM-1XP loudspeaker systems require an MPS-488HP external power supply. The rack mount

multichannel power supply can deliver DC power and balanced audio to eight UPM-1XP at cable lengths up to 150 feet with just 1 dB of loss in peak SPL using 18 AWG wire. Longer cable runs are possible with heavier wire gauges.

The UPM-1XP cabinet is coated with a textured black finish and includes three threaded, recessed nut plates (3/8"-16 or metric M10). Optional rigging hardware includes the MYA-UPM mounting yoke, MUB-UPM U-bracket, and MSA-UPM stand adapter. Other UPM-1XP options include weather protection and custom color finishes for fixed installations and installations with specific cosmetic requirements.

FEATURES & BENEFITS

- External DC power affords the flexibility of lengthy cable runs without conduits
- Extraordinary fidelity and power capability in an ultracompact package
- Metal dome tweeter delivers a smooth high-frequency response
- Wide, symmetrical pattern covers a broad listening area
- Unique crossover design eliminates combing and yields a consistent midrange response
- Exceptional SPL to size ratio

APPLICATIONS

- Frontfill and under-balcony fill coverage
- Theatrical sound reinforcement
- Portable and installed AV systems
- Houses of worship
- Compact voice reinforcement systems

PRELIMINARY SPECIFICATIONS

Operating Frequency Range¹	75 Hz – 20 kHz
Maximum Peak SPL²	123 dB
Coverage	100° symmetrical
Transducers	Two 5" cone drivers One 1" metal dome tweeter
Voltage Requirement	48 V DC (MPS external power supply)
Audio/Power Connector	Phoenix 5-pin male, sealed SwitchCraft EN3 5-pin male, or sealed ECO-M 7-pin male (two pins for DC power, three pins for balanced audio)
Input Impedance	10 kΩ differential between positive (+) and negative (-) audio pins
Nominal Input Sensitivity	0 dBV (1.0 V rms, 1.4 V peak) continuous average is typically the onset of limiting for noise and music
Amplifier	Three channels (class-D)
Output Power	350 W total
Load Capacity	8 Ω low channels, 8 Ω high channel
Cooling	Convection

NOTES: 1. Recommended maximum operating frequency range. Response depends on loading conditions and room acoustics.
2. Measured with music, referred to 1 meter.



(Pending)

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