

## 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 DC source 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.

The UPM-1XP is available with either a Phoenix™ 5-pin male or sealed SwitchCraft® EN3™ male connector for receiving balanced audio and DC power. The use of composite multiconductor cables (such as Belden® 1502 or equivalent) allows a single cable to carry both audio and DC power to the UPM-1XP. The UPM-1XP'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



<b>Dimensions</b>	6.85" w x 18.00" h x 7.70" d (368 mm x 508 mm x 305 mm)
<b>Weight</b>	21 lbs (9.53 kg)
<b>Enclosure</b>	Premium birch plywood
<b>Finish</b>	Black textured
<b>Protective Grille</b>	Powder-coated, hex-stamped steel mesh
<b>Rigging</b>	Three 3/18" - 16 or metric M10 nut plates

power supply can deliver balanced audio and 48 V of DC power to eight UPM-1XP loudspeakers 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 &amp; BENEFITS

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

## APPLICATIONS

- Frontfill and under-balcony fill coverage
- Theatrical sound reinforcement
- Portable and installed AV systems
- Cinema surround sound and effects
- Compact voice reinforcement systems

## PRELIMINARY SPECIFICATIONS

<b>Operating Frequency Range</b> <sup>1</sup>	75 Hz – 20 kHz
<b>Maximum Peak SPL</b> <sup>2</sup>	123 dB
<b>Coverage</b>	100° symmetrical
<b>Transducers</b>	Two 5" cone drivers One 1" metal dome tweeter
<b>Voltage Requirement</b>	48 V DC (MPS external power supply)
<b>Audio/Power Connector</b>	Single 5-pin Phoenix or 5-pin EN3 (two pins for DC power, three pins for balanced audio)
<b>Power Wiring</b>	Pin 1: 48 V DC – Pin 2: 48 V DC +
<b>Audio Wiring</b>	Pin 3: Chassis/earth Pin 4: Signal – Pin 5: Signal +
<b>Input Impedance</b>	10 k $\Omega$ differential between pins 4 and 5
<b>Nominal Input Sensitivity</b>	0 dBV (1.0 V rms, 1.4 V peak) continuous average is typically the onset of limiting for noise and music
<b>Amplifier</b>	Three channels (class-D)
<b>Output Power</b>	350 W total
<b>Load Capacity</b>	8 $\Omega$ low channels, 8 $\Omega$ high channel
<b>Cooling</b>	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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