



UMS-1XP : 48 V DC UltraCompact Subwoofer

The externally powered UMS-1XP is an extremely compact subwoofer that provides powerful low-frequency extension. The UMS-1XP offers the same 127 dB peak SPL output and 25 Hz to 160 Hz operating range as the UMS-1P while also offering all the advantages of external DC power, making it an ideal solution for installations where AC cabling is not feasible. Powering the UMS-1XP from an external DC source affords the flexibility of lengthy cable runs without conduits.

The UMS-1XP is a logical companion to the UPM-1XP ultracompact, wide coverage loudspeaker and UPJunior-XP ultracompact VariO™ loudspeaker (both also externally powered). For installations requiring even greater low-frequency output, multiple UMS-1XPs can be stacked.

A tuned, bass-reflex enclosure houses the UMS-1XP's two 10-inch cone drivers. The drivers are powered by two channels of Class-D amplification yielding a total peak power output of 450 watts. Each driver channel includes a limiter that prevents overexcursion and regulates voice coil temperatures, ensuring smooth limiting characteristics and high output levels across the subwoofer's entire frequency range.

The UMS-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 UMS-1XP. The UMS-1XP's amplifier and signal-processing circuits store DC power and tolerate voltage drops, thereby accommodating light-gauge



Dimensions	22.75" w x 16.30" h x 17.51" d (578 mm x 414 mm x 445 mm)
Weight	62 lbs (28.10 kg)
Enclosure	Premium birch plywood
Finish	Black texture
Protective Grille	Powder-coated, hex-stamped steel with black mesh
Rigging	1 3/8" pole-mount receptacle on cabinet top

cables and lengthy cable runs.

UMS-1XP subwoofer systems require an MPS-488HP external power supply. The rack mount multichannel power supply can deliver balanced audio and 48 V of DC power to eight UMS-1XP subwoofers 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 UMS-1XP's durable enclosure is constructed of

premium birch plywood and coated with a black-textured, hard-shell finish. A powder-coated, hex-stamped grille with black mesh protects the unit's drivers. The cabinet top includes a 1 3/8-inch receptacle for pole-mounting the UPM-1XP or UPJunior-XP with the optional MPS-UMS stand. The UMS-1XP is also available from the factory with threaded end plates and the UMS-SM U-bracket for single-mount configurations. Custom color finishes are also available for installations with specific cosmetic requirements.

FEATURES & BENEFITS

- External DC power affords the flexibility of lengthy cable runs without conduits
- Extremely compact cabinet with powerful, extended low-frequency response
- Linear driver excursion ensures exceptionally clean bass responses with very low distortion
- Ideal companion to the externally powered UPM-1XP and UPJunior-XP ultracompact loudspeakers

APPLICATIONS

- Mix suites
- Small theatres and AV systems
- Houses of worship

PRELIMINARY SPECIFICATIONS

Operating Frequency Range¹	25 Hz – 160 Hz
Maximum Peak SPL²	127 dB
Coverage	360° single unit; varies for multiple units
Transducers	Two 10" cone drivers
Voltage Requirement	48 V DC (MPS external power supply)
Audio/Power Connector	Single 5-pin Phoenix or 5-pin EN3 (two pins for DC power, three pins for balanced audio)
Power Wiring	Pin 1: 48 V DC – Pin 2: 48 V DC +
Audio Wiring	Pin 3: Chassis/earth Pin 4: Signal – Pin 5: Signal +
Input Impedance	10 kΩ differential between pins 4 and 5
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	Two channels (Class-D)
Output Power	450 W total
Load Capacity	4 Ω both channels
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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MEYER SOUND LABORATORIES INC.
2832 San Pablo Avenue
Berkeley, CA 94702

T: +1 510 486.1166
F: +1 510 486.8356

info@meyersound.com
www.meyersound.com