

UPJ-1XP : Compact VariO™ Loudspeaker



The UPJ-1XP, with IntelligentDC technology, offers the same sonic signature, robust peak power output, and rotatable VariO horn as the UPJ-1P, while also offering the advantages of external DC power, making it an elegant solution for installations where AC cabling is not feasible. Powering the UPJ-1XP from an external MPS-488HP power supply affords the flexibility of lengthy cable runs without conduits.

The compact UPJ-1XP was designed for flexibility. With a simple turn of its 80-degree by 50-degree VariO rotatable horn, it can provide optimum horizontal or vertical coverage for any installation. With its extraordinary size-to-power ratio and generous rigging options, the UPJ-1XP is well suited for use as a single, primary loudspeaker or as part of multicabinet horizontal and vertical arrays. Applications include AV presentations, small- to medium-sized sound reinforcement systems, fill, delay, effects, and distributed systems.

Designed and manufactured at Meyer Sound's factory in Berkeley, California, the UPJ-1XP's transducers include one 10-inch cone driver and one 3-inch diaphragm compression driver. The proprietary drivers are powered by an onboard 2-channel, Class-D power amplifier that delivers 300 watts of total burst power.

With IntelligentDC technology, the UPJ-1XP receives power and balanced audio from a single loudspeaker connector, available as a Phoenix™ 5-pin male, sealed SwitchCraft® EN3™ 5-pin male,



- Dimensions** 11.15" w x 22.43" h x 12.25" d (283 mm x 570 mm x 311 mm)
- Weight** 43 lbs (19.5 kg)
- Enclosure** Premium birch plywood
- Finish** Black textured
- Protective Grille** Powder-coated, hex-stamped steel, black mesh screen
- Rigging** Aluminum end plates with M8 threaded attachment points for mounting and flying with QuickFly and standard rigging options

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 UPJ-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.

UPJ-1XP loudspeaker systems require an external MPS-488HP IntelligentDC power supply. The rack mount multichannel power supply can deliver

DC power and balanced audio to eight UPJ-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 UPJ-1XP cabinet is coated with a textured black finish and includes heavy-duty, corrosion-resistant 6061-T6 aluminum end plates with threaded M8 attachment points for basic eyebolt rigging and third-party pole assemblies. QuickFly® rigging options include the MAAM-UPJ array adapter (also made from 6061-T6 aluminum), MUB-UPJ U-bracket, and MYA-UPJ mounting yoke assembly. Other options include weather protection, custom color finishes, and cabinets without handles.

FEATURES & BENEFITS

- IntelligentDC technology affords the flexibility of lengthy cable runs without conduits
- Exceptional fidelity and extended high-frequency performance
- Extraordinarily flat amplitude and phase responses for tonal accuracy and precise imaging
- Constant-Q horn affords uniform response throughout coverage area
- VariO horn allows loudspeakers to be oriented horizontally or vertically
- With QuickFly rigging can be mounted as a single cabinet or flown in multicabinet horizontal and vertical arrays

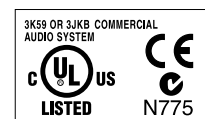
APPLICATIONS

- Portable and installed AV systems
- Theatrical sound reinforcement
- Compact voice reinforcement systems
- Conference centers, presentations, ballrooms, and houses of worship

PRELIMINARY SPECIFICATIONS

<b>Operating Frequency Range<sup>1</sup></b>	55 Hz – 20 kHz
<b>Maximum Peak SPL<sup>2</sup></b>	128 dB
<b>Coverage</b>	80° x 50° or 50° x 80° (rotatable horn)
<b>Transducers</b>	One 10" cone driver One 3" compression driver
<b>Voltage Requirement</b>	48 V DC (MPS-488HP IntelligentDC external power supply)
<b>Audio/Power Connector</b>	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)
<b>Input Impedance</b>	10 kΩ differential between positive (+) and negative (-) audio pins
<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>	Two channels (Class-D)
<b>Output Power</b>	300 W total
<b>Load</b>	4 Ω low channel, 16 Ω 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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