

UPJUNIOR-XP : 48 V DC UltraCompact VariO™ Loudspeaker



The UPJunior-XP delivers the same sonic signature and robust peak power output as the UPJunior, with the same rotatable VariO™ horn, while also offering the advantages of external DC power, making it an elegant solution for installations where AC cabling is not feasible. Powering the UPJunior-XP from an external DC source affords the flexibility of lengthy cable runs without conduits.

The UPJunior-XP was designed for flexibility. With its extraordinary size-to-power ratio and generous rigging options, the ultracompact UPJunior-XP is well suited for use as a single, primary loudspeaker or as part of a multicabinet horizontal or vertical array. Applications include AV presentations, small-to medium-sized sound reinforcement systems, fill, delay, effects, and under-balcony coverage. Whether the loudspeaker is oriented horizontally or vertically, its 80-degree by 50-degree VariO horn is easily rotated to obtain the optimum horizontal and vertical coverage for any installation.

Designed and manufactured at Meyer Sound's factory in Berkeley, California, the UPJunior-XP's transducers include one 8-inch cone driver and one 2-inch diaphragm compression driver with an efficient 0.75-inch exit. The proprietary drivers are powered by an onboard two-channel, Class-D power amplifier that delivers 300 watts of total burst power.

The UPJunior-XP is available with either a Phoenix™ 5-pin male or sealed SwitchCraft® EN3™ male connector for receiving balanced audio and DC



- Dimensions** 9.00" w x 19.04" h x 10.20" d (228.60 mm x 483.55 mm x 259.08 mm)
- Weight** 28 lbs (12.7 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

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 UPJunior-XP. The loudspeaker's amplifier and signal-processing circuits store DC power and tolerate voltage drops, thereby accommodating light-gauge cables and lengthy cable runs.

UPJunior-XP loudspeaker 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 UPJunior-XP 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 UPJunior-XP 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-UPJunior array adapter (also made from 6061-T6 aluminum), MUB-UPJunior U-bracket, and MYA-UPJunior mounting yoke assembly. Other UPJunior-XP 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
- Exceptional SPL to size ratio
- Extraordinarily flat amplitude and phase responses for tonal accuracy and precise imaging
- VariO horn provides versatile coverage options, whether loudspeakers are oriented horizontally or vertically
- With QuickFly rigging can be mounted or flown as either a single cabinet or within arrays

APPLICATIONS

- Portable and installed AV systems
- Theatrical sound reinforcement
- Front and under-balcony fill
- Conference centers, presentations, ballrooms, and houses of worship

PRELIMINARY SPECIFICATIONS	
Operating Frequency Range¹	70 Hz – 20 kHz
Maximum Peak SPL²	126 dB
Coverage	80° x 50° or 50° x 80° (rotatable horn)
Transducers	One 8" cone driver One 2" compression driver
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 k Ω 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	300 W total
Load Capacity	4 Ω low channel, 12 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.



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Made in USA with domestic and foreign parts
(Pending)



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UL
(Pending)

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