



UPJunior™ : UltraCompact VariO™ Loudspeaker

Meyer Sound's UPJunior ultracompact VariO loudspeaker brings the sonic signature, flexible rigging, and extraordinary power-to-size ratio of the UPJ-1P to a smaller package. The UPJunior combines the advantages of self-powered systems with the placement and arraying flexibility afforded by a VariO rotatable horn.

Though remarkably compact and lightweight, the UPJunior delivers a robust peak power output of 126 dB SPL at 1 meter, making it suitable for use as either a single, primary loudspeaker or within multicabinet horizontal and vertical arrays. Applications include A/V presentations, small-to medium-sized main sound reinforcement systems, fill, delay, effects, under-balcony coverage, and distributed systems.

The UPJunior was bred for flexibility, whether oriented vertically or horizontally. The VariO horn allows quick rotation to provide an 80-degree by 50-degree coverage pattern in either the horizontal or vertical plane. In size, weight, and output, the UPJunior integrates seamlessly with the UltraSeries™ UPM and UPJ loudspeakers.

As a self-powered loudspeaker, the UPJunior incorporates a two-channel, class AB/bridged power amplifier and sophisticated control



- Dimensions** 8.94" w x 19.00" h x 10.20" d (227 mm x 483 mm x 259 mm)
- Weight** 28 lbs (12.7 kg)
- Enclosure** Multi-ply hardwood
- Finish** Black textured
- Protective Grille** Powder-coated hex stamped steel
- Rigging** Aluminum end plates for mounting/flying cabinets with QuickFly® and standard rigging options; metric M8 threaded points are used in all UPJunior rigging hardware

circuitry housed within the cabinet, dramatically simplifying setup and installation. The UPJunior's on-board amplifier delivers 300 watts of total burst power. The optional RMS™ module allows comprehensive monitoring of all key system parameters from a Windows®-based computer.

The UPJunior's low-mid frequency section employs an 8-inch neodymium magnet cone driver, while the high-frequency section utilizes an efficient 0.75-inch exit, 2-inch diaphragm compression driver. Both drivers are designed and manufactured by Meyer Sound in Berkeley,

California. The cabinet incorporates aluminum end plates that provide unprecedented mounting, flying, and arraying flexibility. Strategically placed metric M8 threaded points allow simple mounting using either eyebolts or third-party pole assemblies. QuickFly rigging options including the MAA-UPJunior array adapter (also used when laying the cabinet horizontally for use as a stage monitor), MLB-UPJunior U-bracket, and the MYA-UPJunior mounting yoke assembly. Other options include weather protection and custom color finishes for applications requiring specific cosmetics.

FEATURES & BENEFITS

- VariO horn provides versatile coverage options, whether loudspeakers are oriented horizontally or vertically
- Exceptional fidelity and power-to-size ratio
- Extraordinarily flat amplitude and phase response for tonal accuracy and precise imaging

- Constant-Q horn affords uniform response throughout the coverage area
- Predictable and consistent performance ensures system design flexibility

APPLICATIONS

- Portable and installed audio-visual systems
- Theatrical sound reinforcement
- Front and under-balcony fill
- Conference centers, presentations, ballrooms, and houses of worship
- Stage monitoring (with optional MAA adapter)

SPECIFICATIONS

Operating Frequency Range¹	65 Hz – 20 kHz
Free Field Frequency Response²	75 Hz – 18 kHz ±4 dB
Maximum Peak SPL³	126 dB
Coverage⁴	80° x 50°
Transducer: Low/Mid Frequency	One 8" cone driver with neodymium magnet, 300 W (AES) ⁵
High Frequency	One 0.75" exit, 2" diaphragm compression driver, 100 W (AES) ⁵
Amplifier Power	Two-channel complementary MOSFET output stages (class AB/bridged) 300 W total
Automatic Voltage Selection	90 – 264 V AC; 50/60 Hz
Audio Connector	Female XLR input and male XLR loop output
AC Connector	PowerCon with looping out
Max. Long-Term Cont. Current Draw (>10 sec)	3.2 A rms (115 V AC); 1.6 A rms (230 V AC); 3.7 A rms (100 V AC)

- NOTES:**
1. Recommended maximum operating frequency range. Response depends upon loading conditions and room acoustics.
 2. Measured with 1/3-octave frequency resolution at 4 meters, free field.
 3. Measured with music, referred to 1 meter.
 4. The VariO horn allows rotation to provide an 80° x 50° coverage pattern in either the horizontal or the vertical plane.
 5. Power handling is measured under AES standard conditions: transducer driven continuously for two hours with band-limited noise signal having a 6 dB peak-average ratio.

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(Pending)

UPJunior — 04.173.004.02 A

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