LOUDSPEAKERS

MEYER UP-4XP ULTRA COMPACT SELF POWERED LOUDSPEAKER



The UP-4XP ultracompact loudspeaker is ideally suited for applications requiring a small, inconspicuous cabinet that also delivers high sound pressure levels, low distortion, and uniform directional control. The self-powered UP-4XP offers exceptional audio performance in a compact package with the advantages of a remote power supply. As a standalone loudspeaker, the UP-4XP can be used for vocal reinforcement, frontfill coverage, and delay coverage for under-balcony applications. The UP-4XP can also be paired with an
optional subwoofer to create a full-range system.

The UP-4XP boasts a wide operating frequency range of 66 Hz to 18 kHz and a maximum

peak SPL of 121 dB, with very low distortion. The unit'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 4-inch cone transducers that work in parallel at low frequencies — delivering a combined acoustic output — with one of the drivers rolling off at higher frequencies to prevent interference (due to comb filtering effects)
in the crossover region. The proprietary UP-4XP 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.

Powering the unit from an external source eliminates the need for wiring conduits while still preserving the advantages of self-powered systems. The UP-4XP's amplifier and signal-processing circuits are designed to store DC power and tolerate voltage drops, thereby accommodating light-gauge cables and lengthy cable runs. UP-4XP loudspeaker systems require an MPS-488 external power supply. The rack mount multi-channel power supply can deliver both balanced audio and 48 V of DC power to four UP-4XP loudspeakers at cable lengths of up to 150 feet, with just 1 dB of loss in peak SPL using 18 AWG wire. The use of composite multiconductor cables (such as Belden® 1502) allows a single cable to carry both audio and DC power to the UP-4XPs. Longer cable lengths are possible for moderate applications that don't drive the loudspeakers to maximum output, or when using heavier wire gauges for the DC power.

The UP-4XP's durable cabinet is coated with a black textured finish and includes top and bottom mounting plates with 3/8"-16 or metric M10 threaded nuts. QuickFly mounting options include the MUB-UP4 U-bracket, MYA-UP4 cradle-style yoke, and 1-3/8" (35 mm) diameter pole-mount adaptor.



Features:

- Extraordinary fidelity and power capability in an ultracompact package
- Metal dome tweeter delivers a smooth high-frequency response
- Wide, symmetrical pattern covers a broad listening area
- Unique crossover design eliminates combing and yields a consistent midrange response
- Exceptional SPL to size ratio
- Frequency Range 66 Hz – 18 kHz

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