



## MM-4XPD : Directional Miniature Self-Powered Loudspeaker



<b>Dimensions</b>	4.04" w x 4.04" h x 7.72" d (9.98" d with connector) (102.50 mm x 102.50 mm x 196.10 / 253.49 mm)
<b>Weight</b>	5.2 lbs (2.36 kg)
<b>Enclosure</b>	Extruded aluminum
<b>Finish</b>	White or black anodized
<b>Protective Grille</b>	Perforated steel
<b>Mounting</b>	Two 3/8"-16 side inserts; optional MUB-MM4XP U-bracket available

The MM-4XPD directional miniature self-powered loudspeaker meets similar performance standards as the MM-4XP, with the added advantage of a directional hypercardioid pattern. The MM-4XPD patent pending technology achieves a high degree of attenuation between the front and the back of the loudspeaker and passively achieves a directional polar response. Even at low frequencies this breakthrough technology achieves attenuation in the order of 10 dB on the back of the loudspeaker. At higher frequencies the loudspeaker retains directionality. All of this is achieved with a single driver and avoids the complexity and cost associated with a second driver and dedicated amplification and signal processing.

The MM-4XPD directional loudspeaker was specifically designed for high-quality distributed systems in highly reverberant spaces. The directional polar pattern of the loudspeaker at low frequencies significantly

reduces the excitation of the room and increases the intelligibility of the system.

The single 4-inch cone transducer, manufactured at Meyer Sound's Berkeley factory, delivers an impressive maximum peak SPL of 113 dB, and has a wide operating frequency range of 120 Hz to 18 kHz with very low distortion. The MM-4XPD exhibits the same high intelligibility and flat frequency and phase responses for which Meyer Sound loudspeakers are known.

Its flexible and easy-to-configure mounting options, as well as its ability to effortlessly reproduce both speech and music, make it an excellent choice for large distributed applications as well as theatrical presentations, and small portable systems for corporate AV solutions where intelligibility is critical.

The MM-4XPD's amplifier and signal-processing circuits are designed to store DC

power and tolerate voltage drops, thereby accommodating light-gauge cables and long cable runs. The MM-4XPD receives balanced audio and DC power from a SwitchCraft EN3 connector on its rear panel.

MM-4XPD loudspeaker systems require an external MPS Power Supply. The MPS-488 rackmount 8-channel power supply is ideal for larger installations with multiple loudspeakers and distributes power and audio signal, while the compact MPS-481 is designed for powering single loudspeakers individually.

The MM-4XPD's extruded aluminum enclosure acts as a heat sink to dissipate heat from the driver's voice coil. The enclosure is available in standard white or black anodized finishes with a perforated steel grille. The MUB-MM4XP U-bracket is available for mounting the loudspeaker on walls and ceilings at adjustable angles.

### FEATURES & BENEFITS

- Directional hypercardioid pattern provides 10dB of attenuation between the front and the back of the loudspeaker, even at low frequencies
- Directional pattern reduces excitation of the room, desirable in highly reverberant spaces
- Extremely compact size fits in small spaces

- Patent pending technology that does not require additional transducers to create directional effect, reducing energy, weight and volume
- A convenient u-bracket allows for quick and easy mounting

### APPLICATIONS

- Restaurants, bars and highly reverberant public spaces
- Large distributed systems
- Trade show presentations

