

M12X Series

The MacPherson M12X Series is designed to be the industry's premier compact trapezoid loudspeaker

Compact and versatile, the M12X Series is a truly unique loudspeaker system with a variety of uses. The shape of the loudspeaker allows it to be used as a flown or stand-mounted system and as a floor monitor with correct pattern control and appearance in all applications. The M12X Series' internal components have been selected with only one criteria: world class performance. A 2-inch compression driver, coupled to a rotatable slot-CD horn, produces smooth high-frequency performance. A 12-inch woofer handles 600 watts continuous program, providing solid high-SPL bass response.



Separate M12X versions are available to support bi-amplified or full-range operation. There is not a more versatile nor better sounding 12-inch 2-way system available at any price. The M12X Series features extremely high power-handling capability, high SPL capability, and impressive low-frequency performance in a compact design.

Features

- Compact size
- Integral fly track system (top and bottom)
- High gain-before-feedback
- Rotatable slot-CD horn for smooth, wide, high-frequency dispersion
- Four NL4 connectors—two on each end of cabinet
- Four M12Xs fit in a single 30H x 30W x 30D road case
- Available for bi-amp or full-range operation

M12X Series

M12X Series Specifications

Standard Configurations

M12X: Bi-amp

M12XP: Full range

Frequency Response

±3 dB, 90 Hz to 14 kHz

±5 dB, 65 Hz to 17 kHz

Coverage (between -6 dB points)

Horizontal: 90 degrees

Vertical: 55 degrees

HF component rotates for pattern selection

Nominal Impedance (M12X)

LF: 8 ohms

HF: 8 ohms

Nominal Impedance (M12XP)

8 ohms

Sensitivity (M12X)

LF: 96 dB, one watt, one meter

HF: 106 dB, one watt, one meter

Sensitivity (M12XP)

96 dB, one watt, one meter

Maximum SPL

124 dB, broadband, one meter, one minute

Recommended Amplifier Power (M12X)

LF: 400 to 600 watts

HF: 120 to 200 watts

RMS into 8 ohms

Recommended Amplifier Power (M12XP)

400 to 600 watts RMS into 8 ohms

Recommended Crossover Point

1.3 kHz, 24 dB per octave

Connectors

Four, Neutrik® NL4

Suspension Points

Two sections, heavy-duty aluminum aircraft track

Attachment Points

Two, M8 threads; spacing compatible with Ultimate Support BMB-200K mounting bracket

Enclosure

Hardwood plywood, textured black finish, powder-coated perforated steel grill with open-cell foam backing

Dimensions (Upright Position)

15.4 inches high (39.2 cm)

21.3 inches wide (54.0 cm)

15.0 inches deep (38.2 cm)

Dimensions (Floor Monitor Position)

13.8 inches high (35.1 cm)

21.3 inches wide (54.0 cm)

15.0 inches deep (38.2 cm)

Weights

M12X: 54.5 pounds (25.7 kg)

M12XP: 55.0 pounds (25.2 kg)

Options

Black Box Stereo Analog Controller unit, CCM Control Card for Crown P.I.P.®-compatible amplifiers, road cases

Warranty

Three years from date of original purchase

Contents subject to change without notice. Dimensions provided for general reference only.

