

TECHNICAL DATA SHEET



M-12 MONITOR LOUDSPEAKER



The M-12 is a compact, low profile floor monitor designed for any application where accurate, powerful artist reference is required. Various innovative features have been incorporated to make the M-12 as user-friendly as possible.

The compact enclosure houses a reflex-loaded 12" (305mm) weatherproofed neodymium LF cone drive unit and a 3" diaphragm, 1.4" exit HF compression driver on a differential dispersion waveguide. This waveguide produces a coverage pattern of 90°H x 40°V at one metre, which reduces to 50°H x 40°V at three metres. This variation gives a performer freedom of movement whilst reducing unwanted spill into adjacent microphones.

The enclosure is constructed from CNC-machined Birch plywood, and is supplied with heavy duty steel bar handles and non-slip rubber feet. An expanded steel mesh grille coated with acoustically transparent black foam protects the drive units from damage and moisture.

Like all EM Acoustics products, the M-12 utilises an internal UniPhase passive crossover, freeing it from the time-smearing typically encountered with passive products. The M-12 however comes as standard switchable active/passive for increased flexibility. The enclosure is supplied as left and right-handed versions for stage pairing, and comes fitted with 6 x Neutrik Speakon™ NL4MP connectors to allow discrete cable management.

TECHNICAL SPECIFICATIONS

ENCLOSURE TYPE:	2-way reflex loaded, differential dispersion
DIMENSIONS (HxWxD):	368 (14.5) x 588 (23.1) x 444 (17.5) mm/(ins)
NET/SHIPPING WEIGHT:	30/32kg
FREQUENCY RESPONSE ¹ :	65Hz – 20KHz +/- 3dB
SENSITIVITY ² :	99dB
DISPERSION ³ :	90°H x 40°V (one metre) 50°H x 40°V (three metres)
DRIVE UNITS:	1 x 12" (305mm) weatherproofed neodymium LF cone drive unit 1 x 1.4" (36mm) exit HF compression drive unit
POWER HANDLING:	480W RMS, 960W program
MAXIMUM SPL:	130dB continuous, 136dB peak (passive/biamp)
NOMINAL IMPEDANCE:	8 ohms
CROSSOVER:	UniPhase1 internal passive/biamp active
CONNECTORS:	6 x Neutrik Speakon™ NL4MP
ENCLOSURE:	18mm (3/4") multi-laminate Birch plywood – rebated, screwed & glued. Finished in black Warnex textured paint
GRILLE:	Foam backed hex punched steel
OPTIONS:	Colours Connectors

Notes on measurement conditions:

¹Measured on-axis

²Average SPL over stated bandwidth with 1W input, measured at 1m

³Nominal dispersion, averaged over stated bandwidth

EM Acoustics operates a continuous policy of research and development, and as such reserves the right to alter specifications without notice

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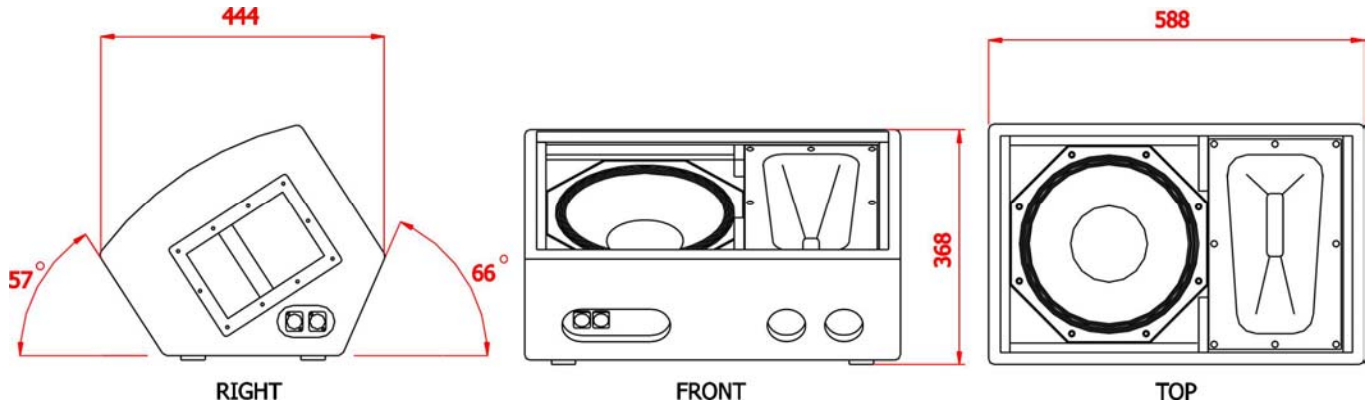
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ENGINEERING DRAWING



ENCLOSURE OPTIONS

Colours

Supplied as standard in black, however white & grey are available as options. By special order, any colour can be provided if the relevant RAL or Pantone colour code or a colour sample is provided.

Connectors

Neutrik Speakon™ NL4MP connectors supplied as standard. M-12P can be supplied with XLR connectors, or non-standard connectors by special order.