

EM ACOUSTICS M-12S



The M-12S is a compact, low-profile floor monitor designed with maximum flexibility in mind. It has been developed in conjunction with Sound By Design after we commissioned EM Acoustics to design and build a 12" stage monitor. The result is the M-12S, an extremely powerful and compact box that features differential dispersion and excellent phase properties for a passive enclosure.

The enclosure houses a reflex-loaded 12" and a 1.4" exit compression driver mounted on a differential dispersion waveguide. The waveguide produces a dispersion pattern of 90°H x 40°V at one metre that reduces to 50°H x 40°V at three metres. This differential pattern allows a performer freedom of movement at close range whilst minimising spill into adjacent microphones and effectively increases the forward throw of the monitor at longer range. An internal UniPhase crossover network provides seamless transition between the two drive units, free from the time-smearing often encountered with passive designs.



The cabinet features two side angles, to allow for steep-angle use as a drum-fill as well as regular stage-front use. Despite the compact nature of the enclosure, careful tuning provides a low frequency response typical of many much larger monitor enclosures.

Connection flexibility was kept firmly in mind when we specified the design criteria for the M-12. To allow for the most convenient and neat wiring, connections are provided on the front and both ends of the enclosure, allowing discreet cabling for television or stage work, as well as quick and efficient inter-cabinet cabling for touring. The cabinets also come in symmetrical, rather than identical, pairs allowing accurate imaging when using two together.

The M-12S floor monitor is designed for today's professional, where product flexibility, reliability and quality are top priorities.

Specifications:

Dimensions (mm):	368 x 588 x 444
Net weight:	26kg
Freq. resp. (+/- 3dB):	70Hz - 20kHz
Sensitivity:	99dB, 1W @ 1 metre
Power handling:	400W RMS
Maximum SPL:	128dB continuous 134dB peak
Nominal impedance:	8Ω

