



Architectural Specification

The mFlex MF12 is a compact full range trapezoid loudspeaker enclosure suitable for a wide range of applications within auditoriums, church, live sound, theatre or installation. Dependent on coverage requirements a single cabinet or a multi cabinet array can be deployed. Arrays can be flown or stacked and used in vertical or horizontal modes. The cabinet houses a 12" mid/bass unit that shares a common neodymium magnet structure with a 1.4" exit coaxially mounted HF compression driver. The HF benefits from a structural polyurethane horn mounted forward of the mid/bass cone offering 60° conical directivity control. The cabinet can either be run from a low insertion pad free passive network working in hybrid mode with a system amplifier from the eFlex range or externally switched into the recommended bi-amp mode.

The enclosure is manufactured from 15mm birch plywood and coated in a heavy duty polyurea finish. The cabinet front has a protective steel grill coated in a water resistant powder coat finish which has an acoustically transparent filter medium bonded to its back surface. The enclosure incorporates a top hat mount for pole or stand mounting, a rear panel bracket point to aid installation and twelve M10 insert points. Each cabinet also has a pair of side handles and a top panel pocket handle while to aid protection in transit there is the option of a padded transit cover.

Electrical connection to the cabinet is via two parallel linked Neutrik NL4 MP connectors. All Inspired Audio products are designed as an integrated solution complete with system amplifier options from the eFlex range. The eFlex units provide DSP preset functions, networked software control of operating parameters and output drive power. An eFlex Q5 will drive two MF12 enclosures per channel in passive mode or two per channel pair in active mode while the eFlex Q20 will drive four MF12 enclosures per channel in passive mode or four per channel pair in active mode.

The reFlex speaker range includes complimentary bass options which can be combined with the mFlex MF12 to form a fully integrated system solution.



mFlex MF12

Mid/bass:	1 off 12" cone driver
HF:	1 off 1.4" compression driver
Frequency response:	60 Hz - 20 kHz
Sensitivity: 1w/1m (Peak):	Mid/bass - 98 dB (130 dB) HF - 110 dB (135 dB)
Power (RMS/Peak):	Mid/bass - 400 w/1600 w HF - 90 w/360 w
Impedance:	Mid/bass - 8 ohms HF - 8 ohms
Directivity:	60° conical (above 1 kHz)
Operation mode:	Active/passive switchable
Connection:	2 off Neutrik NL4 MP linked
Wiring protocol (Passive):	1+/1- = Mid/bass (Input) 2+/2- = HF (N/C)
Weight (Packaged):	19 kg (21 kg) Provisional
Dimensions (mm):	360 w x 550 h x 370 d
Packaged (mm):	405 w x 580 h x 400 d
Options:	<ul style="list-style-type: none">o Padded transit cover

(Peak SPL measurements are taken with a crest factor x4)

Inspired Audio products are designed and manufactured in England. For technical support:
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