



Architectural Specification

The mFlex MQ12 is a compact full range multifunction enclosure suitable for a wide range of applications within auditoriums, church, theatre and live performance. The cabinet houses a 12" mid/bass unit with an 88 mm aluminum voice coil and neodymium magnet structure. This is combined with a 1.4" exit neodymium magnet compression driver mounted on a 90° x 40° constant directivity horn. The cabinet features a low insertion pad free passive network working in hybrid mode with a system amplifier from the eFlex range. The enclosure combines a trapezoid front section with a 35° rear wedge angle that enables the cabinet to be used for both front of house or monitor applications.

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, multiple bracket points and ten M10 insert points. Each cabinet also has a pair of rear pocket handles to assist handling and an optional padded transit cover to aid protection in transit.

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 or eFlex Q20 will drive two MQ12 enclosures per output channel.

The reFlex speaker range includes complimentary bass options which can be combined with the mFlex MQ12 to form a fully integrated system solution.



mFlex MQ12

Mid/bass: 1 off 12" cone driver

HF: 1 off 1.4" compression driver

Frequency response: 55 Hz - 20 kHz

Sensitivity: 1w/1m (Peak): 97 dB (131 dB)

Power (RMS/Peak): 600 w/2800 w

Impedance: 4 ohms

Directivity (standard): 90° h x 40° v

Operation mode: Passive

Connection: 2 off Neutrik NL4 MP linked

Wiring protocol (Passive): 1+/1- = Input
2+/2- = Linked

Weight (Packaged): 20.1 kg (21.7 kg)

Dimensions (mm): 375 w x 600 h x 320 d

Packaged (mm): 410 w x 640 h x 370 d

Options:

- A selection of mounting brackets (ISO 100 Plate)
- 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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