



Architectural Specification

The mFlex iQ12 is a compact full range foreground speaker for fixed installation. The cabinet houses a 12" mid/bass cone driver with a ceramic magnet structure which is combined with a 1" exit compression driver mounted on a 90° x 40° constant directivity horn flare. The flare can be rotated to allow installation in either landscape or portrait modes. The cabinet has a low insertion passive network which can be used with an eFlex system amplifier to optimize performance or with third party amplification if required.

The enclosure is manufactured from 15mm birch plywood and coated in a water based textured paint finish which is available in either black or white colour options. 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 iQ12 incorporates three bracket points located on the cabinet rear panel, top panel and side panel. It also has twelve M10 insert points to further aid installation options.

Electrical connection to the cabinet is via two parallel linked Neutrik NL4 MP connectors. While the mFlex iQ series is supplied as an open platform product which can be used with third party amplification it is recommended that it is used with the eFlex Q5 system amplifier. The eFlex units provide DSP preset functions, networked software control of operating parameters and output drive power. An eFlex Q5 will drive two iQ12 enclosures per output channel.

Alternatively Inspired Audio offer the iD48 four input eight output DSP controller that can be used as a control interface on installed systems.

The mFlex iQ12 can be combined with bass options from the reFlex product range to enhance bass response within an integrated installed system.



mFlex iQ12

Mid/bass: 1 off 12" cone driver

HF: 1 off 1" compression driver

Frequency response: 55 Hz - 20 kHz

Sensitivity: 1w/1m (Peak): 98 dB (130 dB)

Power (RMS/Peak): 400 w/1600 w

Impedance: 8 ohms

Directivity: 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): 20.9 kg (22.5 kg)

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

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

Options:

- o A selection of mounting brackets (ISO 100 Plate)
- o M10 suspension eyebolts
- o Black or white colour options

(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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Revision: 8 - (09/02/2016)