inspired audio

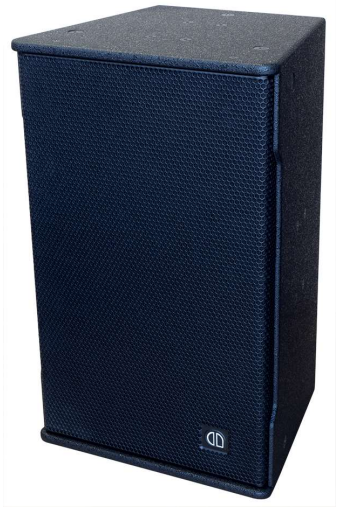
Architectural Specification

The Inspired Audio iQ12 V2 is a compact full range foreground speaker for fixed installation. The cabinet houses a 12" mid/bass cone driver with a neodymium magnet structure which is combined with a 1" exit ring radiator, which also featuring a neodymium magnet structure, mounted on a 90° x 70° constant directivity horn flare. The flare can be rotated to allow installation in either landscape or portrait mode. The cabinet has a low insertion passive network which can be used with a system amplifier from the Eflex range or with third party digital signal processing (DSP) and power amplification if required.

The enclosure is manufactured from 15mm birch plywood and coated in a hardwearing black polyurea finish. Alternatively, the cabinet is available in a water based white textured coating. 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 V2 incorporates three bracket points located on the cabinet rear panel, top panel and side panel. It also has eight M10 insert points to further aid installation of the product.

Electrical connection to the cabinet is via two parallel linked Neutrik NL4 MP connectors. It is recognized that within an installation project a preferred DSP matrix or power amplifier may be specified. As a consequence, the iQ12 V2 is supplied as an open platform product which can be used either with an Eflex system amplifier, or with third party control systems. Where a third-party DSP is specified, pre-set data will be provided to assist correct installation of the unit. It is recommended that where possible an Eflex system amplifier is used to optimise, gain, limiting and system EQ. Alternatively, the iD48 system controller can be used as an interface to third party amplification systems.

The iQ12 V2 can be combined with bass options from the Reflex product range to enhance bass response within an integrated installed system.



iQ12 V2

Mid/bass:	1 off 12" cone driver
HF:	1 off 1" exit compression driver
Frequency response:	55 Hz - 20 kHz
Sensitivity:2.8V/1m (Peak):	98 dB (130 dB)
Power: RMS (Peak):	400 w (1600 w)
Impedance:	8 ohms
Directivity:	90° h x 70° v
Operation mode:	Passive
Connection:	2 off Neutrik NL4 MP linked
Wiring protocol (Passive):	1+/1- = Input 2+/2- = Linked
Weight (Packaged):	17.4 kg (19 kg)
Dimensions (mm): **Packaged (mm):**	375 w x 600 h x 320 d 410 w x 640 h x 370 d

Options:

- A selection of mounting brackets (ISO 100 Plate)
- M10 suspension eyebolts
- 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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