



Architectural Specification

The Inspired Audio MQL EVO is a full range three-way passive enclosure suitable for main front of house applications within auditoriums, church, theatre and live performance. The cabinet is equally suited to mobile use or fixed installation. The cabinet houses a 15" bass unit with an 88 mm aluminum voice coil and neodymium magnet structure. This is combined with a horn loaded 8" neodymium closed basket mid-range unit operating over the 300 Hz to 2.5 kHz pass band. Mid-band directivity is 80° h x 60° v. HF energy above 2.5 kHz comes from a 1" exit compression driver, mounted on an 80° x 60° constant directivity horn, which is coaxially mounted in front of the 8" midrange driver. The components are passively combined with a low insertion pad free passive network working in hybrid mode with a system amplifier from the Eflex range. The enclosure is trapezoid with 30° side panel angles.

The enclosure is manufactured from 15 mm 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. To aid installation the enclosure incorporates twelve M10 insert points which are internally steel braced. Each cabinet also has a two rear pocket handles and two side panel bar handles. A padded transit cover is available to aid protection during transit.

Electrical connection to the cabinet is via two parallel linked Neutrik NL4 MP connectors. 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. A single output channels off an Eflex Q6 will drive a single enclosure. A single output channel of an Eflex Q20 will drive four enclosures.

The Reflex B118 is the suggested sub bass companion for MQL EVO, with either one or two B118 enclosures being combined with an MQL EVO to create a totally integrated system solution.



MQL EVO

Bass - Twin chamber:	1 off 15" cone driver
Mid-range - Horn loaded:	1 off 8" cone driver
HF - CD Flare:	1" exit compression driver
Frequency response:	45 Hz - 20 kHz
Sensitivity - Bass (Peak):	99 dB (133 dB)
Mid-range (Peak):	107 dB (137 dB)
HF (Peak):	109 dB (132 dB)
Power (RMS/Peak) - Bass:	700 w/2800 w
Mid-range:	250 w/1000 w
HF:	70 w/200 w
Impedance - Bass:	8 ohms
Mid-range:	8 ohms
HF:	8 ohms
Directivity - Bass:	Omni-directional
Mid-range:	80° h x 60° v
HF:	80° h x 60° v
Operation mode:	Fully passive
Connection:	2 off Neutrik NL4 MP linked
Wiring protocol (Bi-amp):	1+/1- = Input 2+/2- = NC
Weight (Packaged):	32 kg (34.4 kg)
Dimensions (mm):	440 w x 725 h x 450 d
Packaged (mm):	480 w x 770 h x 500 d

Options:

- 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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