



FX12

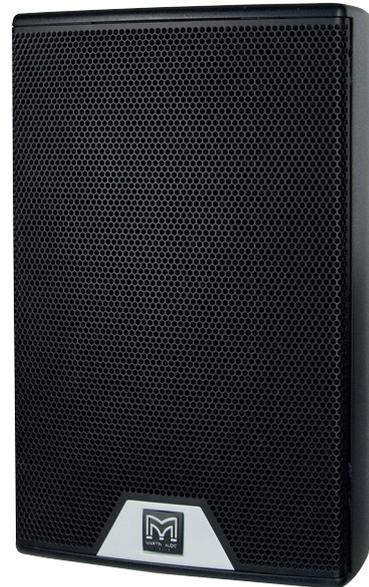
Compact Coaxial Full-Range System

Features

- Compact coaxial passive two-way system
- Coaxial Differential Dispersion™ technology
- Elegant composite enclosure
- User-rotatable coaxial drive unit
- Vertical and horizontal mounting options
- Screw-free perforated steel grille

Applications

- Small-medium live music clubs
- Music bars
- Nightclubs
- Premium KTV
- Infills in larger installations



The FX12 is a compact, coaxial two-way system designed for premium entertainment applications. Featuring a 12" (300mm) LF drive unit and 1" (25mm) exit compression driver, it combines Differential Dispersion technology with the 'point-source' benefits of coaxial designs to produce perfect sound over distances between 2 metres and 5 metres from the loudspeaker.

Coaxial Differential Dispersion™ technology delivers more consistent audience coverage than systems with conventional X° x Y° horns — projecting relatively more output to the rear of the audience to distribute sound evenly front-to-to-back, while having wide horizontal coverage close-up. In addition, the FX12 overcomes the high frequency 'beaming' associated with conventional coaxial devices — maintaining the dispersion pattern out to very high frequencies.

The LF driver has a 2.5" (65mm) voice coil and a high BL motor with an aluminium demodulating ring to minimise distortion. The HF compression driver utilises a 1.75" (44mm) Kapton diaphragm for extended high frequency response and features a phase-plug with a low-compression ratio to reduce non-linearity caused by high air pressure within the compression driver.

The visually-distinctive composite enclosure can be used in either horizontal (landscape) or vertical (portrait) orientation, with rotation of the coaxial driver easily accomplished by removing the screw-free, protective grille. The curved shape of the FX12 allows it to be bracket-mounted close to a wall and integral M8 inserts are provided for eyebolt suspension.

A full-range passive system, the FX12 may be used without a controller. However, the EQ and limiter functions of a controller such as the Martin Audio DX0.5 will maximise its capabilities. When used with a B218 subwoofer, crossover and EQ functions can be performed by the DX0.5 system controllers, or by a VIA Series amplifier with onboard DSP option.

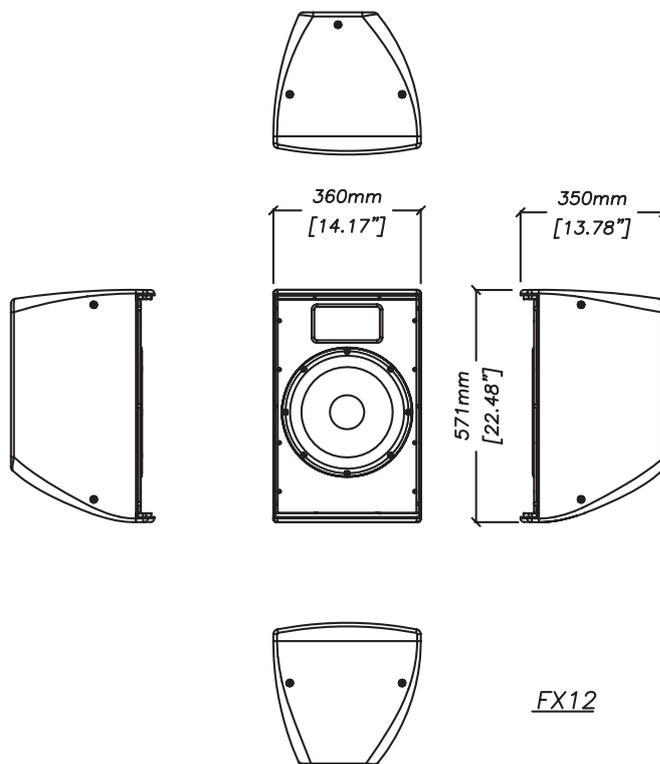


FX12

Compact Coaxial Full-Range System

Technical Specifications

TYPE	Compact, high-output, coaxial passive two-way system
FREQUENCY RESPONSE (5)	65Hz-20kHz \pm 3dB -10dB @ 55Hz
DRIVER	LF: 12" (300mm)/2.5" (63.5mm) voice coil, long excursion, shared ferrite motor system with HF HF: 1" (25mm) exit/1.7" (44mm) voice coil, polyimide dome compression driver
RATED POWER (2)	300W AES, 1200W peak
RECOMMENDED AMPLIFIER	VIA2502/5002/5004
SENSITIVITY (6)	97dB
MAXIMUM SPL (7)	122dB continuous, 128dB peak
NOMINAL IMPEDANCE	8 ohms
DISPERSION (-6dB)	110°-60° horizontal, 60° vertical (user-rotatable)
CROSSOVER	2kHz passive
ENCLOSURE	38 litre, composite material
FINISH	Black polyurethane paint
PROTECTIVE GRILLE	Black perforated steel, Declon® backed
CONNECTORS	2 x Neutrik® NL4
PIN CONNECTIONS	Input: 1+, 1- Link through: 2+, 2-
FITTINGS	16 M8 threaded inserts
DIMENSIONS	(W) 360mm x (H) 571mm x (D) 350mm (W) 14.2ins x (H) 22.5ins x (D) 13.8ins
WEIGHT	20.5kg (45.1lbs)



Notes

- (1) Measured on-axis in half space at 2 metres, then referred to 1 metre.
- (2) AES Standard ANSI S4.26-1984.
- (3) Measured in half space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (4) Measured in half space at 2 metres using band limited pink noise, then referred to 1 metre.
- (5) Measured on-axis in open (4 π) space at 2 metres, then referred to 1 metre.
- (6) Measured in open (4 π) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (7) Measured in open (4 π) space at 2 metres using band limited pink noise, then referred to 1 metre.
- (8) Measured in open (4 π) space at 2 metres with 2.83v input, using band limited pink noise, then referred to 1 metre.
- (9) Calculated in half space at 1 metre.

