XD15-A

Very high-output two-way system

XD Series

features

- Very high-output two-way system
- Versatile, multi-angle plywood enclosure
- 15" (380mm)/4" (100mm) coil, ultra-long excursion, low-distortion neodymium LF driver
- 1.4" (35mm) exit, titanium dome, neodymium HF compression driver
- Rotatable 80° x 50° horn for portrait or landscape orientation
- Switchable passive/bi-amp crossover
- 8 ohm nominal impedance
- Integral pole-mount and M8 rigging inserts
- Comprehensive mounting options and accessories

applications

- Portable live sound reinforcement
- Theatre Sound
- Fixed Installations
- High power stage monitor

The XD15 is a very high-output, wide-bandwidth, two-way system equally suited to portable live sound applications, theatre sound and fixed installations. It features a high-specification 15" (380mm) low frequency drive unit and a 1.4" (35mm) exit compression driver mounted on a user-rotatable 80° x 50° constant directivity horn.

The 15" (380mm) LF driver has a lightweight 4" (100mm) voice coil and flux demodulation rings to reduce distortion at high excursions. Its neodymium motor system combines high sensitivity with low weight and advanced cooling reduces power compression to negligible levels. The 1.4" (35mm) exit HF driver has a 3" (75mm) pure titanium dome and ultra-high flux neodymium motor system for maximum efficiency. The internal LF/HF crossover is switchable between passive or bi-amp operation, depending on user requirements.

The XD15 is the perfect solution for very high-power applications where flexibility, ease of installation and speed of deployment are important factors. The versatile, multi-angle enclosure and rotatable horn facilitate either horizontal or vertical orientation, and comprehensive brackets support the full variety of mounting options – including surface, ceiling and pole mount. Integral M8 inserts for simple eyebolt suspension increase the options even further. In its horizontal configuration, the XD15 is also ideal as a very high-output stage monitor.

When used in bi-amp mode, or with a subwoofer such as the Wavefront WS18X or WS218X it is recommended that the XD15 is used with the Martin Audio DX0.5 or DX4.0 controller. When operated as a passive system, it may be used without a controller, but will benefit from the DX0.5 or DX4.0's EQ and limiter functions.

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MARTIN AUDIO LONDON

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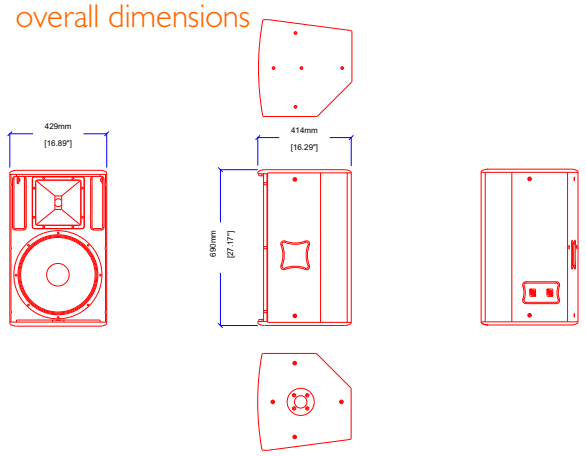
overall dimensions



XD15

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accessories

XD15 Universal bracket (*Trigger clamp not included*)

technical specifications

TYPE	Very high-output, passive/bi-amp two-way system
FREQUENCY RESPONSE (a)	55Hz-18kHz ±3dB -10dB @ 45Hz
DRIVERS	15" (380mm)/4" (100mm) voice coil, long-excursion, neodymium magnet LF driver 1.4" (35mm) exit/3" (75mm) voice coil, titanium dome, neodymium magnet HF compression driver
RATED POWER (b)	LF: 600W AES, 2400W peak HF: 80W AES, 320W peak
RECOMMENDED AMPLIFIER	iK81 / VIA5002/5004
SENSITIVITY (c)	FR: 99dB LF: 100dB HF: 108dB
MAXIMUM SPL (d)	FR: 126dB continuous, 132dB peak LF: 127dB continuous, 133dB peak HF: 127dB continuous, 133dB peak
NOMINAL IMPEDANCE	FR/LF: 8 ohms HF: 16 ohms
DISPERSION (-6dB)	80° horizontal, 50° vertical user rotatable
CROSSOVER	1.75kHz switchable passive/bi-amp
ENCLOSURE	68 litre, multi-laminate birch ply
FINISH	Black textured coating
PROTECTIVE GRILLE	Black perforated steel, Declon® backed
CONNECTORS	2 x Neutrik® NL4
INPUT CONNECTIONS	FR/LF (+,-): 1+,1- HF (+.-): 2+,2-
FITTINGS	17 x M8 threaded inserts, 1 x Pole mounting socket 2 x Pocket Handle
DIMENSIONS	(W) 429mm x (H) 690mm x (D) 414mm (W) 16.9ins x (H) 27.2ins x (D) 16.3ins
WEIGHT	34Kg (75lbs)

Notes

(a) measured on-axis in open (4π) half space at 2 metres, then referred to 1 metre

(b) AES Standard ANSI S4.26-1984

(c) Measured in open (4π) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre

(d) Measured in open (4π) space at 2 metres using band limited pink noise, then referred to 1 metre

A universal bracket is available for the XD15 which offers a very versatile solution for mounting the cabinet. The bracket may be mounted in either the top or the bottom of the enclosure. The bracket gives quick and easy vertical angle adjustment with a spring loaded locking pin.

When mounted on the top the bracket offers a single point fixing which can either be a permanent bolt to a structure or a scaffold clamp such as the trigger clamp as shown in the picture (not supplied) which makes for very quick deployment from truss structures in a variety of applications from theatre productions to corporate AV.

When mounted on the bottom of the cabinet the single point fixing can be used in conjunction with a pole mount adaptor (part number HAM02041) as an alternative to the built in top hat fitting so that upwards or downwards tilt adjustment is available when the cabinet is used on a standard 35mm speaker stand

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