

Blackline X15⁺

Very high output, two-way system

PRELIMINARY DATA

features

- ▶ Very high output, two-way system
- ▶ Versatile, multi-angle plywood enclosure
- ▶ 15" (380mm)/ 4" (100mm) voice 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
- ▶ Five year limited warranty

applications

- ▶ Portable live sound reinforcement
- ▶ Fixed installations
- ▶ High power stage monitor



blackline⁺

The Blackline X15⁺ is a very high-output, wide-bandwidth, two-way system equally suited to portable live sound applications 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 X15⁺ 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 X15⁺ is also ideal as a very high-output stage monitor.

When used in bi-amp mode, or with a subwoofer such as the Blackline S18⁺ or S218⁺, it is recommended that the X15⁺ is used with the Martin Audio DX1.5 or DX2 controller. When operated as a passive system, it may be used without a controller, but will benefit from the DX1.5 or DX2's EQ and limiter functions.

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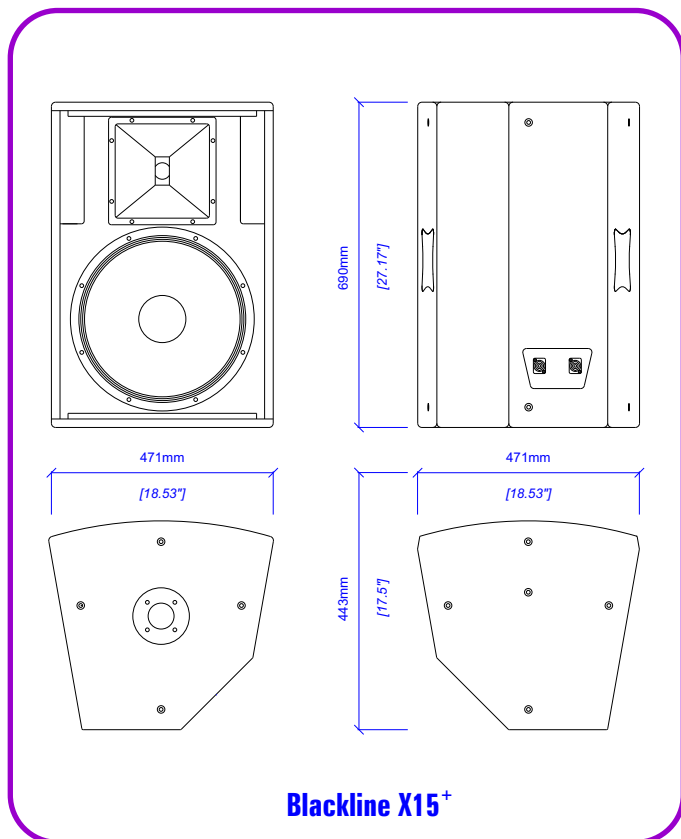
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overall dimensions



technical specifications

TYPE	Very high output, passive/bi-amp two-way system
FREQUENCY RESPONSE (5)	55Hz - 18kHz \pm 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 (2)	LF: 600W AES, 2400W peak HF: 80W AES, 320W peak
RECOMMENDED AMPLIFIER	MA3.0, MA5.2K, MA6.8Q
SENSITIVITY (6)	FR: 99dB LF: 100dB HF: 108dB
MAXIMUM SPL (7)	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
CROSSOVER	1.2kHz switchable passive/bi-amp
ENCLOSURE	68 litre, multi-laminate birch ply
FINISH	Textured black paint
PROTECTIVE GRILLE	Black perforated steel
CONNECTORS	2 x Neutrik® NL4, connected in parallel
INPUT CONNECTIONS	FR/LF (+, -): 1+, 1- HF (+, -): 2+, 2-
FITTINGS	15 x M8 threaded inserts, 1 x 35mm pole mount socket 2 x pocket handles
DIMENSIONS	(W) 471mm x (H) 690mm x (D) 443mm (W) 18.5ins x (H) 27.2ins x (D) 17.5ins
WEIGHT	34.3kg (75.6lbs)

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

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