

Blackline X12⁺

Compact, high output, two-way system

PRELIMINARY DATA

features

- ▶ Versatile, high output, two-way system
- ▶ Compact multi-angle plywood enclosure
- ▶ 12" (300mm)/ 3" (75mm) voice coil, long-excursion low-distortion neodymium LF driver
- ▶ 1" (25mm) exit titanium dome, neodymium HF compression driver
- ▶ User rotatable 80° x 50° horn
- ▶ 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
- ▶ AV presentations



blackline⁺

The Blackline X12⁺ is a high-power, high-output, two-way system equally suited to portable live sound applications and fixed installations. It features a high-specification 12" (300mm) low frequency drive unit and a 1" (25mm) exit compression driver mounted on a user-rotatable 80° x 50° constant directivity horn.

The 12" (300mm) LF driver has a lightweight 3" (75mm) 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" (25mm) exit HF driver has a 1.7" (44mm) titanium dome and ultra-high flux neodymium motor system for maximum efficiency, plus a copper cap to extend the HF response.

The internal HF/LF crossover is switchable between passive or bi-amp operation, depending on user requirements.

The X12⁺ is the perfect solution for 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 X12⁺ is also ideal as a compact, high-output stage monitor.

When used in bi-amp mode, or with a subwoofer such as the Blackline S15⁺ or S18⁺, it is recommended that the X12⁺ 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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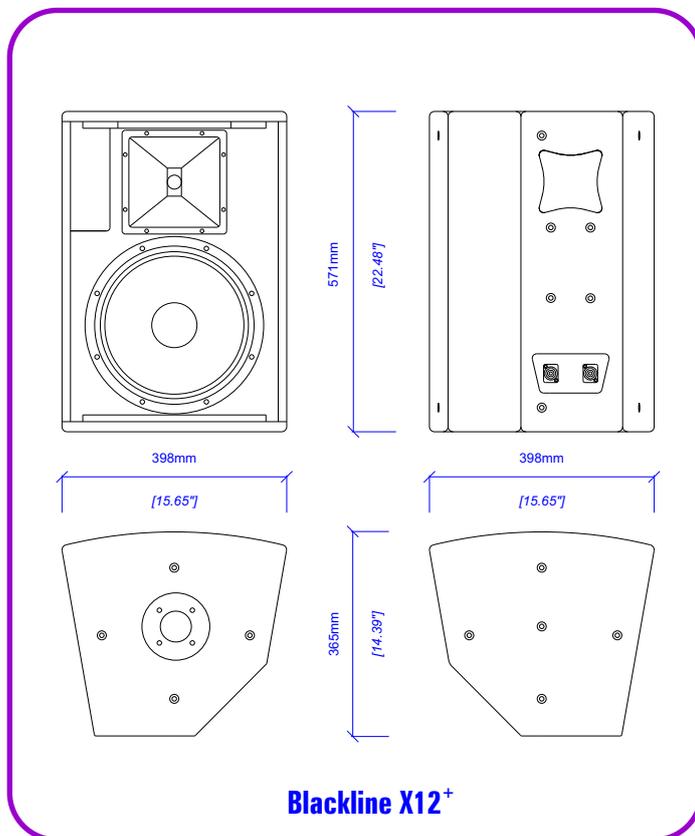
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PRELIMINARY DATA

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overall dimensions



technical specifications

TYPE	Compact, high output, passive/bi-amp two-way system
FREQUENCY RESPONSE (5)	65Hz - 20kHz \pm 3dB -10dB @ 55Hz
DRIVERS	12" (300mm)/3" (75mm) voice coil long excursion neodymium magnet LF driver 1" (25mm) exit/1.7" (44mm) voice coil, titanium dome, neodymium magnet HF compression driver
RATED POWER (2)	LF: 400W AES, 1600W peak HF: 50W AES, 200W peak
RECOMMENDED AMPLIFIER	MA2.0, MA3.0, MA4.8Q, MA6.8Q
SENSITIVITY (6)	FR: 97dB LF: 98dB HF: 105dB
MAXIMUM SPL (7)	FR: 123dB continuous, 129dB peak LF: 124dB continuous, 130dB peak HF: 124dB continuous, 130dB peak
NOMINAL IMPEDANCE	FR/LF: 8 ohms HF: 16 ohms
DISPERSION (-6dB)	80° horizontal, 50° vertical
CROSSOVER	2kHz switchable passive/bi-amp
ENCLOSURE	38 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	19 x M8 threaded inserts, 1 x 35mm pole mount socket 1 x pocket handle
DIMENSIONS	(W) 398mm x (H) 571mm x (D) 365mm (W) 15.6ins x (H) 22.5ins x (D) 14.3ins
WEIGHT	21kg (46lbs)

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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