

Blackline XH15

High Performance Passive Two-Way System



Features

- High power, passive two-way wide-bandwidth system
- User rotatable 80° x 50° horn
- Vertical and horizontal orientation
- Discrete 35mm pole-mount socket
- 1.4" (35mm) exit compression driver
- Integral ergonomic handles
- Screw-free, cloth-backed perforated steel grille
- 8Ω nominal impedance
- Twin NL4 connectors
- Flexible mounting options via M8 inserts

Applications

- Live club performance
- High powered stage monitoring
- Club installs
- Portable sound reinforcement



The high power Blackline XH15 provides improved performance over the Blackline X15 in a wide-bandwidth system and a compact and efficient package. Extended frequency response is provided by a 15" (380mm) LF driver and a 1.4" (35mm) exit compression driver mounted on a rotatable 80° x 50° constant directivity HF horn.

The LF driver features a tough, water resistant cone and a lightweight, high BL, neodymium motor system with inside/outside coil windings for improved heat transfer. An aluminium demodulating ring reduces distortion and improves midrange clarity at high levels and increased excursion is available via a triple roll surround and deep motor structure. The HF driver utilises a titanium diaphragm with controlled break-up modes for improved sonic performance at high frequencies and the crossover design and LF cone profile have been optimised to match the directivity of the HF horn and LF section through the crossover region.

Blackline XH15 is perfect for higher power applications where ease of installation, or speed of deployment, are important factors. Its ergonomic design and rotatable HF horn makes near-ceiling mounting and aiming easy in venues with restricted height, whilst its multi-angle birch ply cabinet allows it also to be used as a high power floor monitor. Its twelve M8 inserts make a variety of horizontal or vertical mounting methods possible.

Blackline XH15 features integral, ergonomic handles for easier handling and comes with a discrete 35mm pole-mount socket for speaker stand mounting. This fitting can also be used as a pole socket when the Blackline XH15 is used with, for instance, a Blackline X118 or X218 subwoofer.

A full-range passive two-way system, the XH15 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 in conjunction with a Blackline X118 or X218 subwoofer, crossover and EQ functions can be performed by the DX0.5.

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Technical Specifications

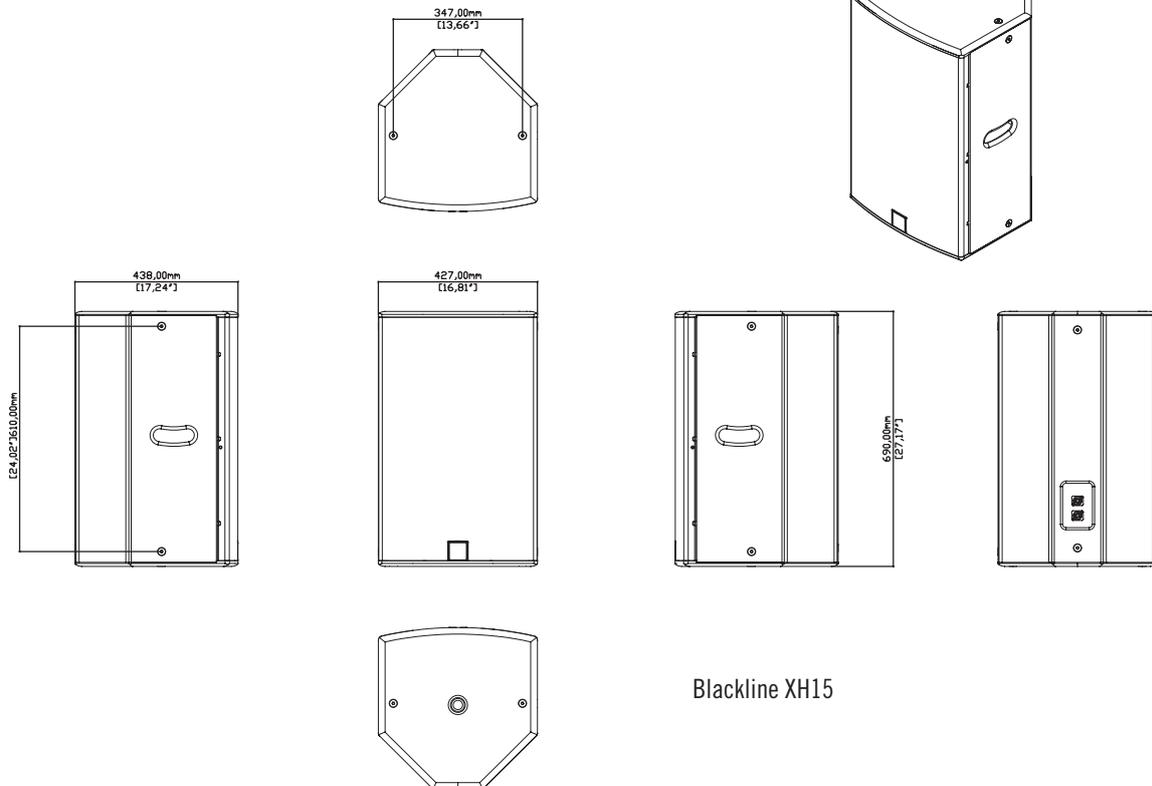
TYPE	Compact, two-way passive
FREQUENCY RESPONSE (5)	55Hz-18kHz \pm 3dB -10dB @ 45Hz
DRIVERS	15" (380mm)/3" (75mm) voice coil, neodymium magnet LF driver 1.4" (35mm) exit HF compression driver
RATED POWER (2)	400W AES, 1600W peak
RECOMMENDED AMPLIFIER	VIA5002/5004
RECOMMENDED CONTROLLER	DX0.5
RECOMMENDED SUBWOOFER	X118 and X218
SENSITIVITY (6)	100dB
MAXIMUM SPL (9)	126dB continuous, 132dB peak
NOMINAL IMPEDANCE	8 ohms
DISPERSION (-6dB)	80° horizontal, 50° vertical
CROSSOVER	1.4 kHz passive
ENCLOSURE	68 litre, multi-laminate birch ply
FINISH	Textured black paint
PROTECTIVE GRILLE	Black perforated steel
CONNECTORS	2 x Neutrik NL4
PIN CONNECTIONS	FR+, - : 1+, 1- , Link thro': 2+, 2-
FITTINGS	12 x M8 threaded inserts 1 x mounting pole socket 2 x pocket handles
DIMENSIONS	(W) 427mm x (H) 690mm x (D) 438mm (W) 16.81in x (H) 27.17in x (D) 17.24in
WEIGHT	28kg (61.73 lbs)

Notes

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

Trade Descriptions Act

Due to Martin Audio's policy of continuing improvement, we reserve the right to alter these specifications without prior notice. Martin Audio is committed to refining state of the art sound reinforcement, combining in-depth product and field applications research with advanced manufacturing techniques. Every Martin Audio product is built to the highest manufacturing standards and rigorously tested to ensure that it meets the performance criteria specified in the design.



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