



Description

The SBLA8 is a compact line array enclosure designed to bring line array performance benefits to a variety of small and medium scale applications. It meets the need for a versatile, scalable system that can be flown or ground stacked for corporate events, theatres and indoor venues. It is also suitable as a delay system for large scale outdoor sound reinforcement. The SBLA8 is a three-way system that combines line array principles with a constant directivity horn design, and horn loading techniques to produce a next generation, compact line array with maximum dynamic impact.

Amazingly for its size the SBLA8 is a full-range system (-3dB @ 80HZ) and may be used without sub woofers in many applications. Where additional low frequency extension is required, it is ideally complemented by the SBLA18SUB which can be flown or ground stacked

Components

To achieve the vertical pattern required, practical line arrays are nearly always curved in the vertical plane invalidating some of the simplistic ideas about wave front curvature associated with first generation line arrays. The acoustic elements of the SBLA8 have been developed to have optimal wave front curvature for real world situations where higher degrees of array curvature are likely.

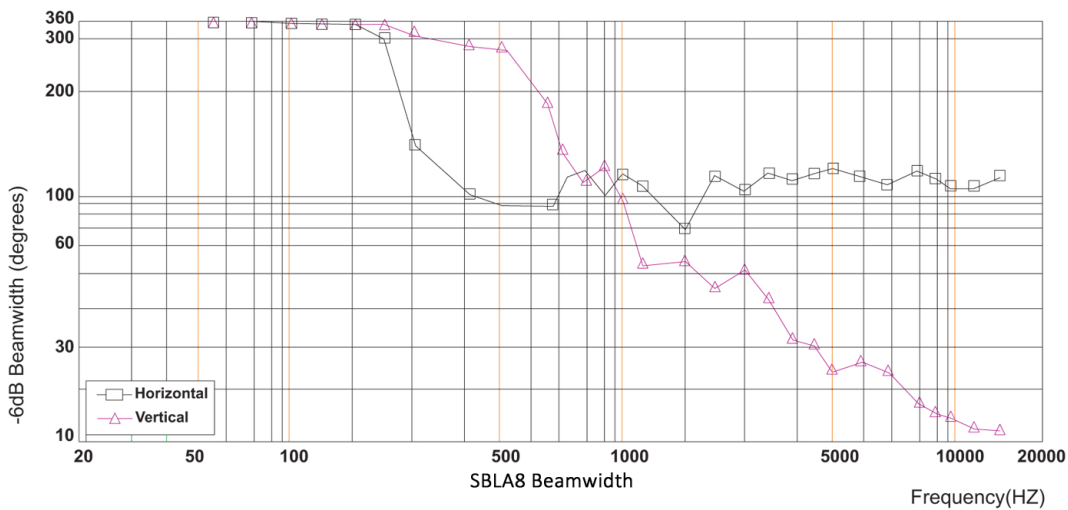
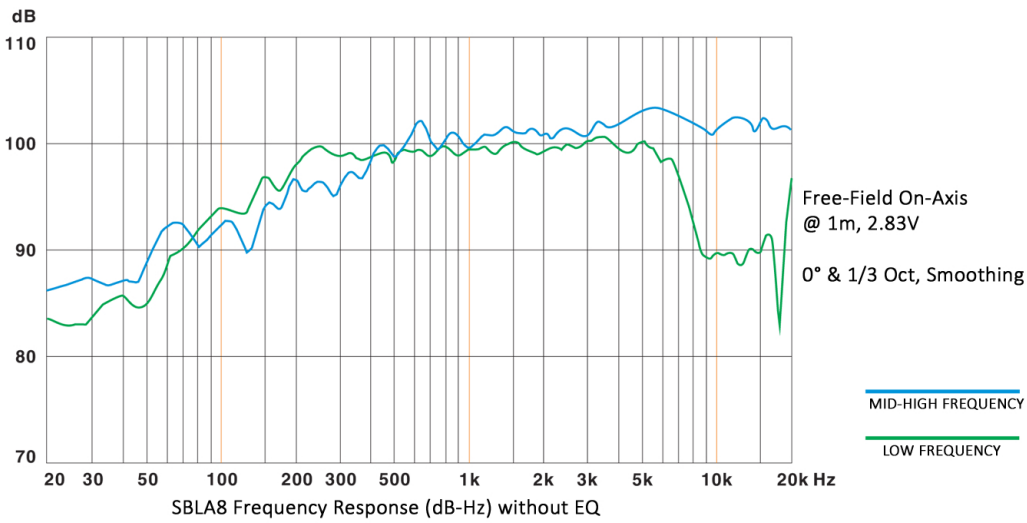
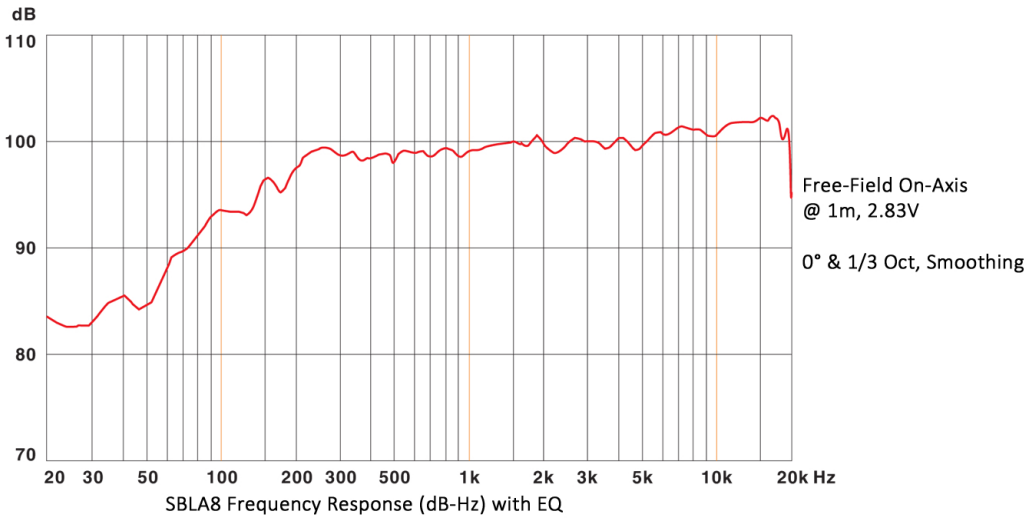
While the SBLA8 is three-way system, it can be driven two-way active. To make the system design more effective, the SBLA8 is an 8 Ohm (16 Ohm LF and 16 Ohm MF + HF) cabinet and up to three cabinets can be driven off one channel of a professional quality amplifier.

Specifications

Type:	8" Passive, Virtual Three Way, Bi-amp Line Array Enclosure
Coverage Pattern:	120° (Horizontal), 10° (Vertical)
Components / Drivers	Driver (LF): 1 x 8", 2" VC, Front Loaded Driver (MF): 1 x 6.5" 2" VC, Horn Loaded Driver: (HF): 2 x 1" Throat, 1.4" VC Titanium Compression Driver on Low Distortion Horn
Power Ratings	Power Ratings (LF): 200W Continuous, 800W Peak Power Ratings (MF): 150W Continuous, 600W Peak Power Ratings (HF): 80W Continuous, 320W Peak
System Frequency Response:	70Hz-19kHz
Drivers Frequency Response	(LF): 70Hz-3.5KHz (MF): 200Hz-5KHz (HF): 1.5KHz-19KHz
Drivers Sensitivity	(LF): 96dB / 1W / 1m (MF): 100dB / 1W / 1m (HF): 108dB / 1W / 1m
Nominal Impedance	(LF): 16Ω (MF-HF): 16Ω
Component(s) Impedance:	(LF): 16Ω (MF): 16Ω (HF): 8Ω
Recommended Crossover:	(LF): 80Hz-460Hz, -24dB/oct (MF-HF): 460-19.8kHz, -24dB/oct
SPL	(LF): 120dB Continuous, 126dB Peak (MF-HF): 124dB Continuous, 130dB Peak
Recommended Amplifier:	(LF): 800W- 1200W into 8Ω (MF-HF): 800W- 1200W into 8Ω
Connectors:	2 x NL8 Neutrik Connectors
Pin Outs	PIN 1+: SUB PIN 1-: SUB PIN 2+: LF PIN 2-: LF PIN 3+: MF-HF PIN 3-: MF-HF PIN 4+: N/A PIN 4-: N/A
Rigging:	Fast Integral adjustable rigging system with variable splay angles (0° to 10°)
Enclosure Construction:	18mm Multi-Plywood
Finish Options:	Black Polyurethane Paint
Dimensions (W*H (Rear)*D):	24" x 10.2" (8.2") x 15.7" 620mm x 260mm (208) x 400 mm
Net Weight:	57.3 lbs. (26 kg)

Notes:

- (1) Measured on-axis in half space at 2 metres, then referred to 1 metre.
- (2) EIA Standard RS-426-A-1980.
- (3) Measured in half space conditions at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (4) Measured in half space conditions at 2 metres using band limited pink noise, then referred to 1 metre.



8 PIN Output:

- 4+: N/A
- 4-: N/A
- 3+: MF-HF
- 3-: MF-HF
- 2+: LF
- 2-: LF
- 1+: SUB
- 1-: SUB

8 PIN Output:

- 4+: N/A
- 4-: N/A
- 3+: MF-HF
- 3-: MF-HF
- 2+: LF
- 2-: LF
- 1+: SUB
- 1-: SUB

