



Description

The SBLA110 is a compact line array enclosure designed to bring superb next generation line array performance to concert, theatre and commercial events. It meets the need for a high power, high bass impact system that is versatile and scalable for a very wide range of applications in the live sound, corporate and fixed installation fields. The SBLA110 grids allow systems to be flown or ground stacked as required. Though compact in size, the SBLA110 is a full-bandwidth system and may be used without subwoofers in many applications. Where additional low frequency extension is required, The SBLA110 can be complemented by and directly compatible with the SBLA115S single 15" subwoofers. Components

Components

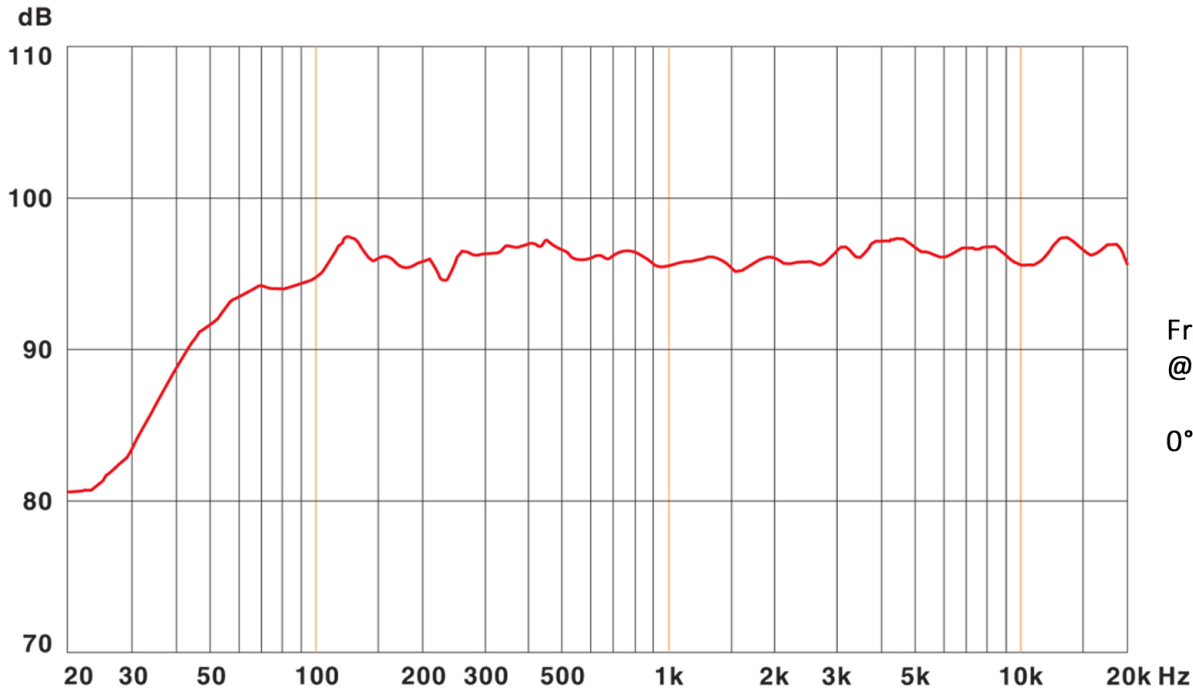
The SBLA110 is a 2-way system that combines line array principles with innovative horn loading techniques to produce a very powerful compact line array with impressive dynamic impact. The low frequency section of the SBLA110 is comprised of a 10" / 3" (75mm) voice coil driver with phase adjust. The SBLA110 HF section is comprised of one 1.4" throat, 3" (75mm) voice coil horn elements to produce a low-curvature vertical wave front with an efficiency of 113dB at 1m for a 1W input. This optimal HF curvature enables the SBLA110 enclosures within the array to be splayed up to 8° without introducing gaps in the HF vertical coverage.

Specifications

Type:	10" Passive, Two Way, Bi-amp Line Array Module
Coverage Pattern:	110° (Horizontal), 8° (Vertical)
Components / Drivers	Driver (LF): 1 x 10", 3" VC, Front Loaded Driver: (HF): 1 x 1.4" Throat, 3" VC Neodymium Magnet, Titanium Diaphragm Driver on Low Distortion Horn
Power Ratings	Power Ratings (LF): 300W Continuous, 1200W Peak Power Ratings (HF): 150W Continuous, 600W Peak
System Frequency Response:	75Hz-18KHz (-3dB)
Drivers Frequency Response	(LF): 60Hz-3.0KHz (HF): 600Hz-18KHz
Drivers Sensitivity	(LF): 98dB / 1W / 1m (HF): 113dB / 1W / 1m
Nominal Impedance	(LF): 8Ω (HF): 8Ω
Component(s) Impedance:	(LF): 8Ω (HF): 8Ω
Recommended Crossover	1.6KHz- 24dB / oct
SPL	(LF): 123dB Continuous, 129dB Peak (HF): 131dB Continuous, 137dB Peak
Recommended Amplifier:	(LF): 450 – 600W into 8Ω (HF): 300W- 600W into 8Ω
Connectors:	2 x NL4, 4 Pin, Neutrik Connectors
Pin Outs	PIN 1+: LF PIN 1-: LF PIN 2+: HF PIN 2-: HF
Rigging:	Fast Integral adjustable rigging system with variable splay angles (0° to 8°)
Enclosure Construction:	15mm Multi-Plywood
Finish Options:	Black Polyurethane Paint
Dimensions (W*H (Rear)*D) :	19.7" x 10.8" (9") x 14.2" (500mm x 275mm (230) x 360 mm)
Net Weight:	42 lbs. (19 kg)

Notes:

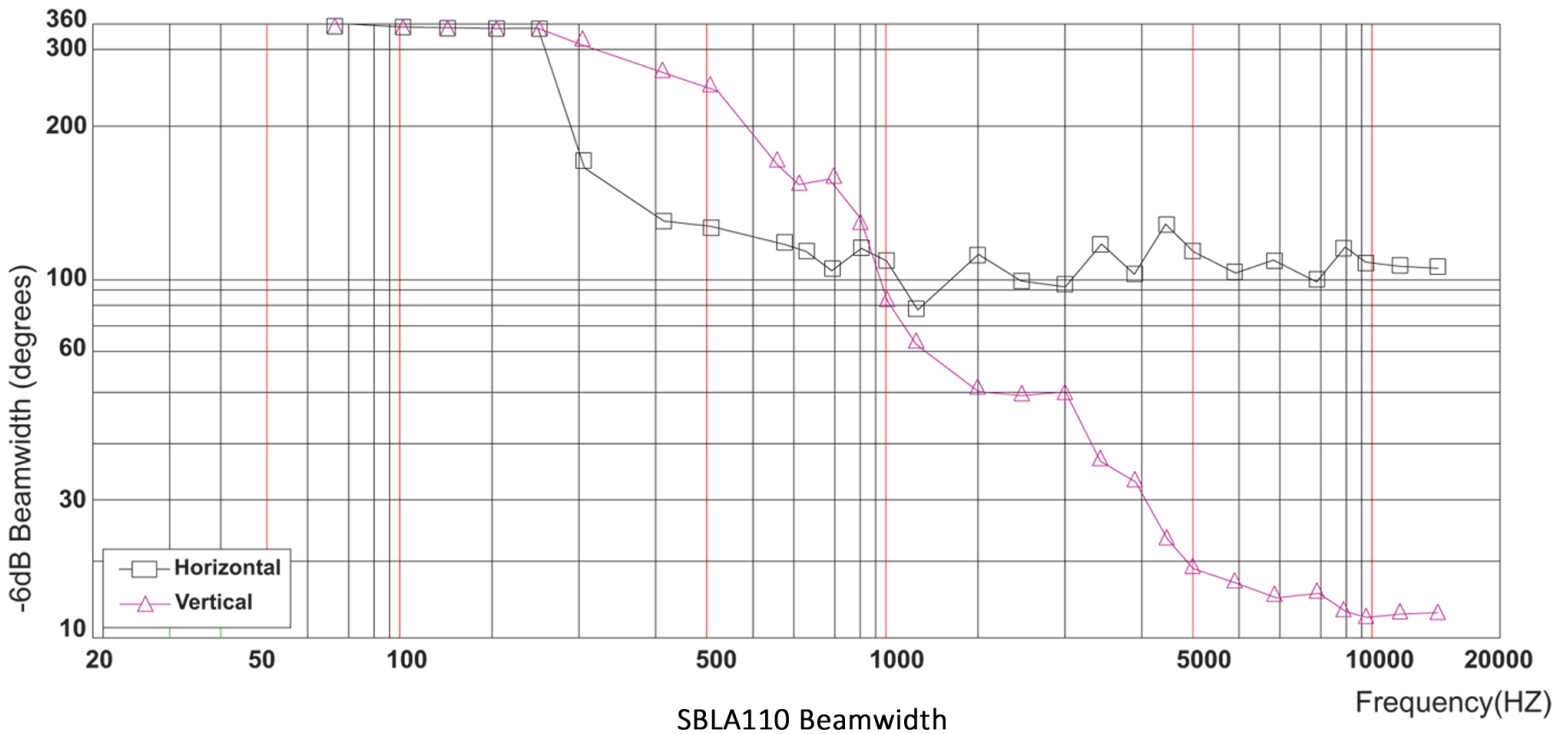
- (1) Measured on-axis in half space at 2 metres, then referred to 1 metre.
- (2) EIA Standard RS-426-A-1980.
- (3) Measured in half space conditions at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (4) Measured in half space conditions at 2 metres using band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



Free-Field On-Axis
@ 1m, 2.83V

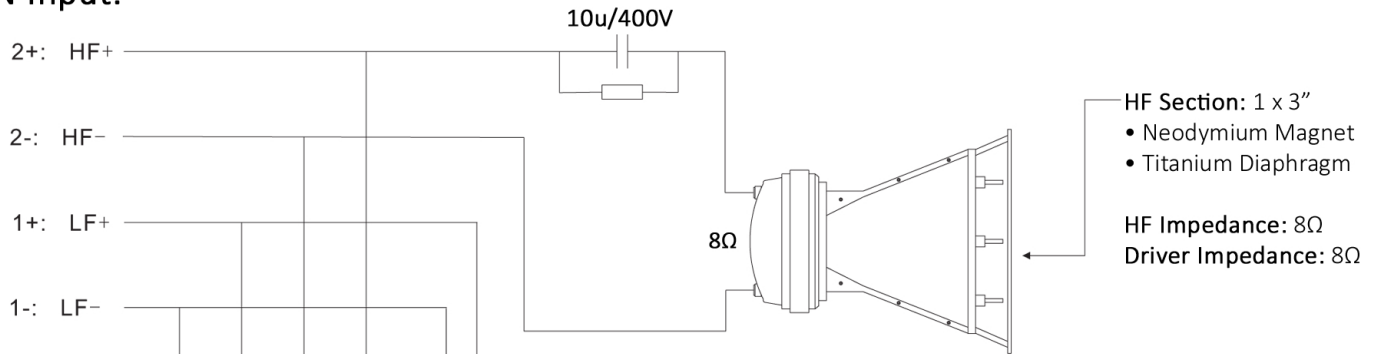
0° & 1/3 Oct, Smoothing

SBLA110 Frequency Response (dB-Hz) with EQ



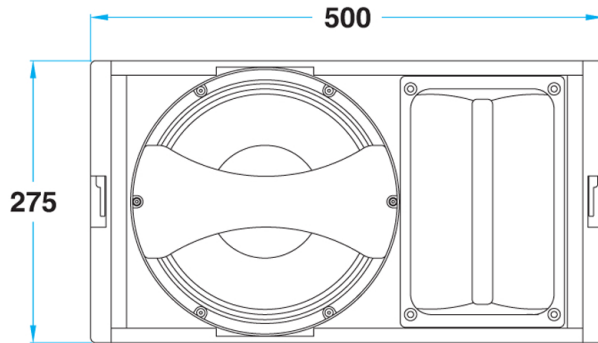
SBLA110 Beamwidth

4 PIN Input:

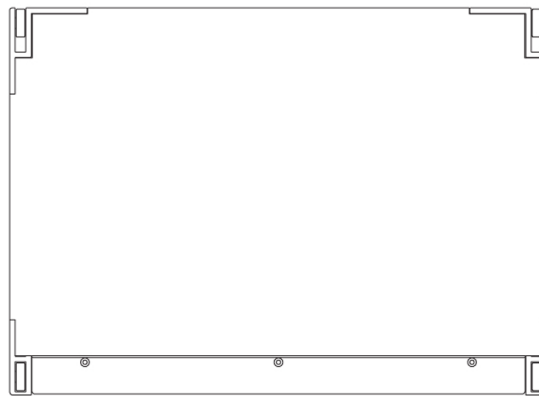


4 PIN Input:

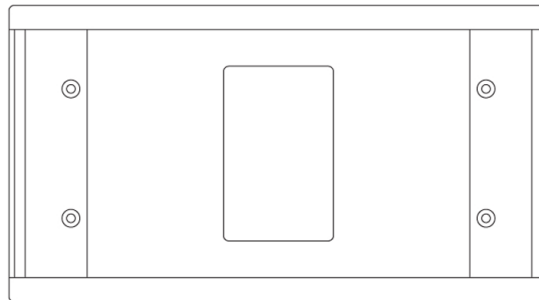




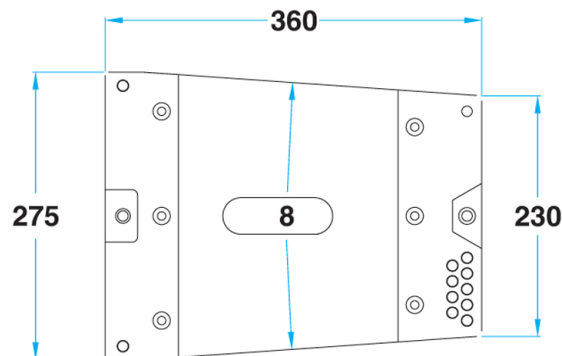
Front View



Top View



Rear View



Side View