

## Description

The SBLA212 is a dual 12", 3-way, Tri-amp enclosure that combines line array principles with innovative horn loading techniques to produce a very powerful compact line array with impressive dynamic impact. This system is designed to bring superb next generation line array performance to concert, theatre and commercial events. It meets and exceeds the need for a high power; high bass impact system that is versatile and scalable for a wide range of applications in the live sound, corporate and fixed installation fields.

The SBLA212 grids allow systems to be flown or ground stacked as required. The SBLA212 is a full-bandwidth system and may be used without subwoofers in many applications. Where additional low frequency extension is required, SBLA212 may be complemented by ground stacked SBLA828SUB Line Array subwoofers or SBLA285SUB horn loaded subwoofers.

## Components

The low frequency section of the SBLA212 consists of two horn loaded 12" / 3" voice coil low frequency drivers with a folded horn design to extend the LF output to below the natural cut-off point of the horn. This horn loading technique combines the very high efficiency of horn loading with the extended low frequency response of a reflex enclosure.

The MF section of the SBLA12 utilizes 2 x 6.5" / 3" voice coil drivers to produce a highly efficient gain of 106dB at 1m for a 1W input.

The HF section is composed of 2 x 1.4" exit titanium diaphragm compression driver horn elements to produce a low-curvature vertical wave front with an efficiency of 112dB at 1m for a 1W input. This optimal HF curvature enables SBLA212 enclosures within the array to be splayed up to 8° without introducing gaps in the HF vertical coverage.

## Specifications

<b>Type:</b>	Dual 12" Passive, Three Way, Tri-amp Line Array Enclosure
<b>Coverage Pattern:</b>	100° (Horizontal), 8° (Vertical)
<b>Components / Drivers</b>	Driver (LF): 2 x 12", 3" Neodymium, Folded Horn Driver (MF): 2 x 6.5", 2" Neodymium, Horn Loaded Driver: (HF): 2 x 1.4" Throat, 3" Neodymium Compression Driver on Low Distortion Horn
<b>Power Ratings</b>	Power Ratings (LF): 1000W Continuous, 4000W Peak Power Ratings (MF): 300W Continuous, 1200W Peak Power Ratings (HF): 300W Continuous, 1200W Peak
<b>System Frequency Response:</b>	60Hz-19KHz (-3dB)
<b>Drivers Frequency Response</b>	(LF): 60Hz-3.0KHz (MF): 200Hz-5.0kHz (HF): 600Hz-18KHz
<b>Drivers Sensitivity</b>	(LF): 99dB / 1W / 1m (MF): 101dB / 1W / 1m (HF): 113dB / 1W / 1m
<b>Nominal Impedance</b>	(LF): 8Ω (MF): 8Ω (HF): 8Ω
<b>Component(s) Impedance:</b>	(LF): 16Ω (MF): 16Ω (HF): 16Ω
<b>Recommended Crossover</b>	(LF): 45Hz-460Hz, -24dB/oct (MF): 460-1.6kHz, -24dB/oct (HF): 1.6kHz-19.8kHz, -24dB/oct
<b>SPL</b>	(LF): 134dB Continuous, 140dB Peak (MF): 133dB Continuous, 139dB Peak (HF): 136dB Continuous, 142dB Peak
<b>Recommended Amplifier:</b>	(LF): 1200W – 3400W into 8Ω (MF): 600W-1200W into 8Ω (HF): 600W- 1200W into 8Ω
<b>Connectors:</b>	2 x NL8, 8 Pin, Neutrik Connectors
<b>Pin Outs</b>	<b>PIN 1+:</b> SUB <b>PIN 1-:</b> SUB <b>PIN 2+:</b> LF <b>PIN 2-:</b> LF <b>PIN 3+:</b> MF <b>PIN 3-:</b> MF <b>PIN 4+:</b> HF <b>PIN 4-:</b> HF
<b>Rigging:</b>	Fast Integral adjustable rigging system with variable splay angles (0° to 8°)
<b>Enclosure Construction:</b>	18mm Multi-Plywood
<b>Finish Options:</b>	Black Polyurethane Paint
<b>Dimensions (W*H (Rear)*D):</b>	43" x 15.7" (13.2") x 25.6" (1000mm x 400mm (330) x 650 mm)
<b>Net Weight:</b>	143 lbs. (65 kg)

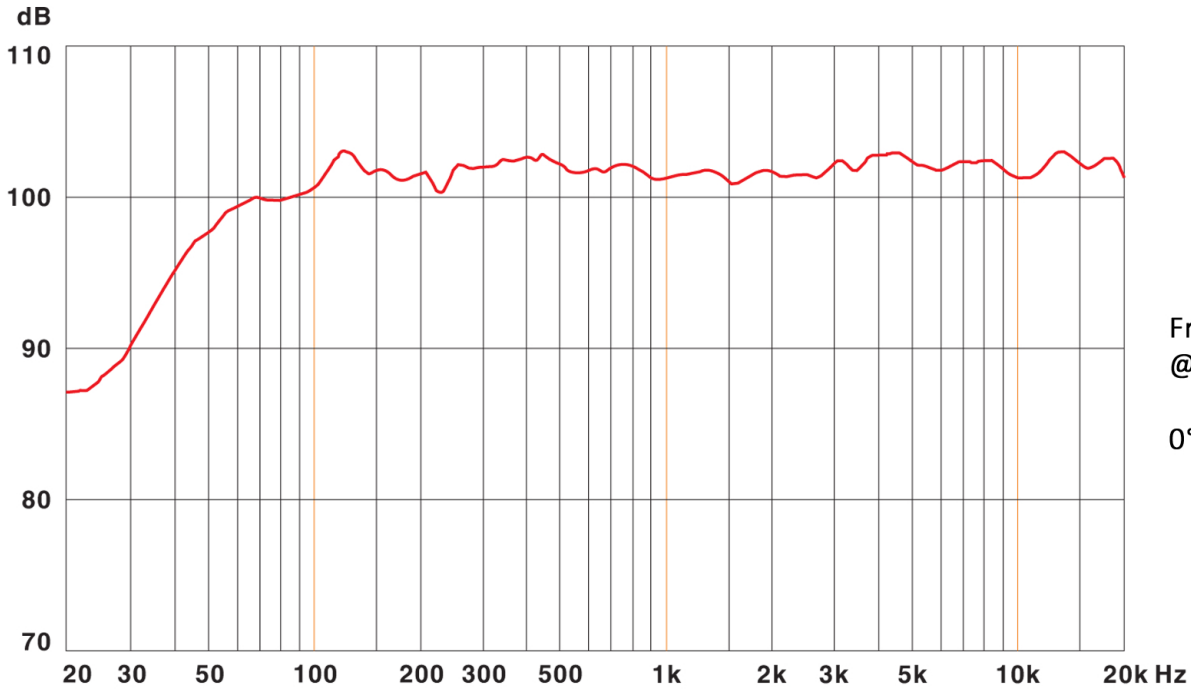
### Notes:

(1) Measured on-axis in half space at 2 metres, then referred to 1 metre.

(2) EIA Standard RS-426-A-1980.

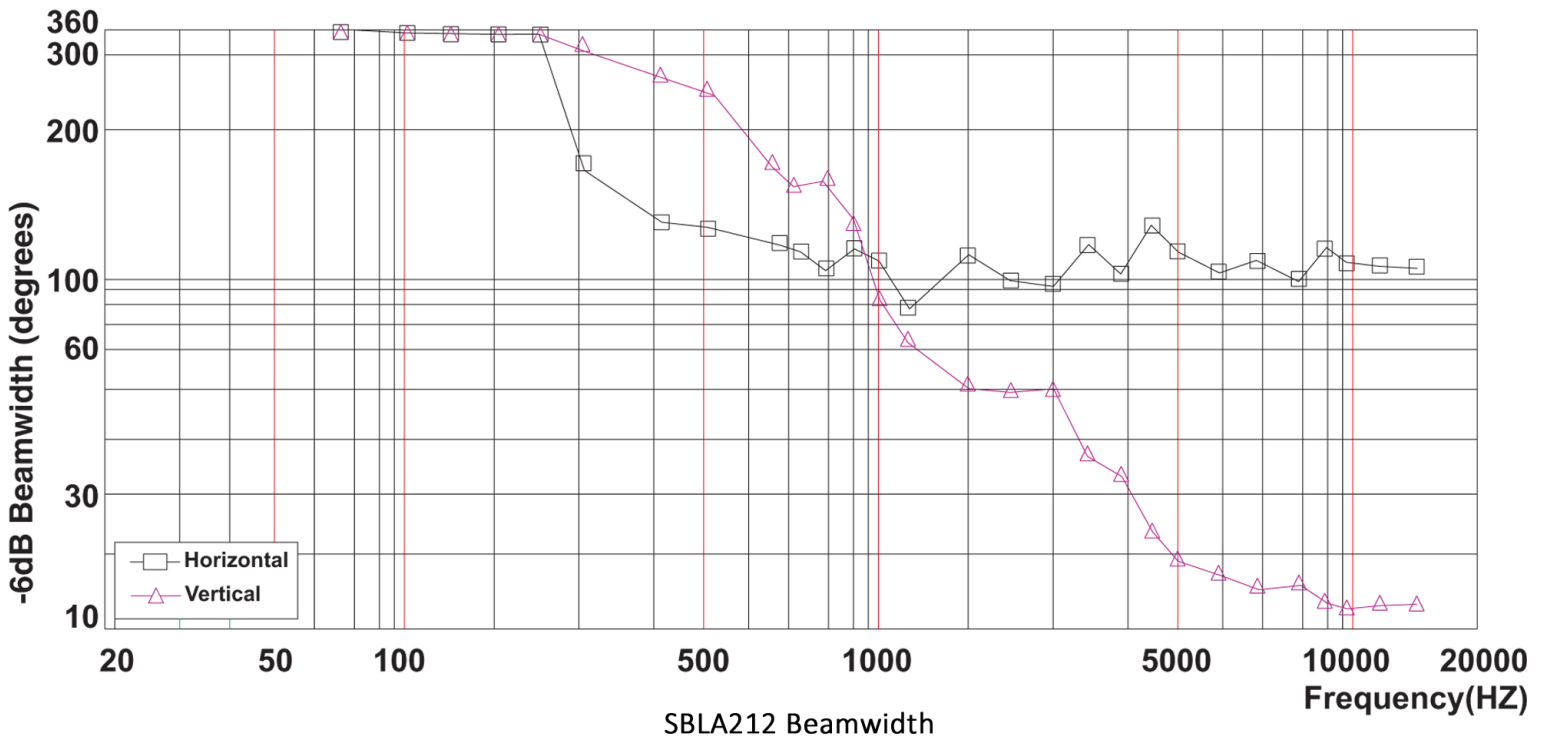
(3) Measured in half space conditions at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.

(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

SBLA212 Frequency Response (dB-Hz) with EQ

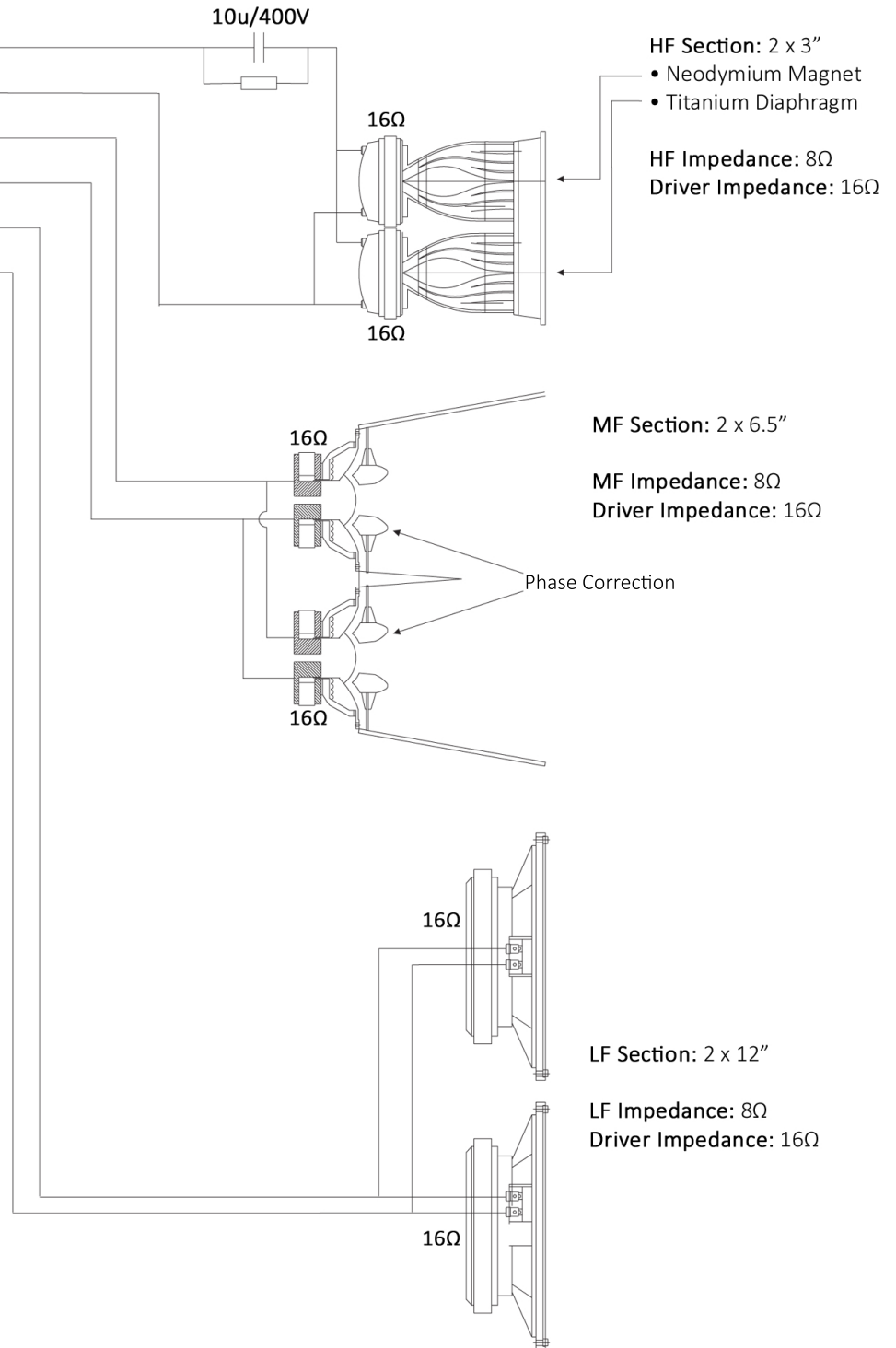


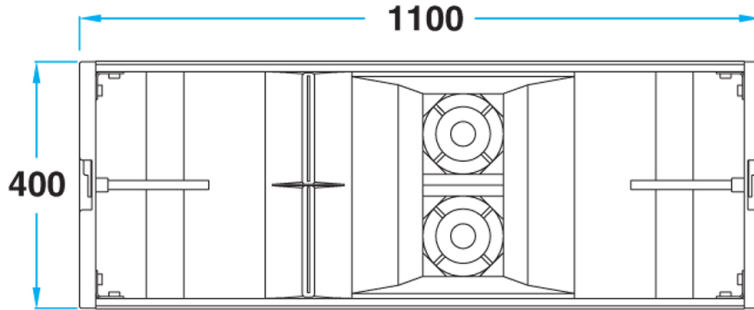
**8 PIN Input:**

- 4+: HF+
- 4-: HF-
- 3+: MF+
- 3-: MF-
- 2+: LF+
- 2-: LF-
- 1+: For SUB+
- 1-: For SUB-

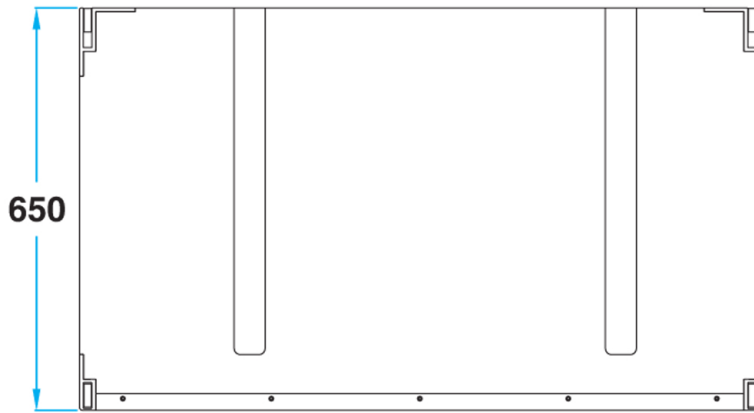
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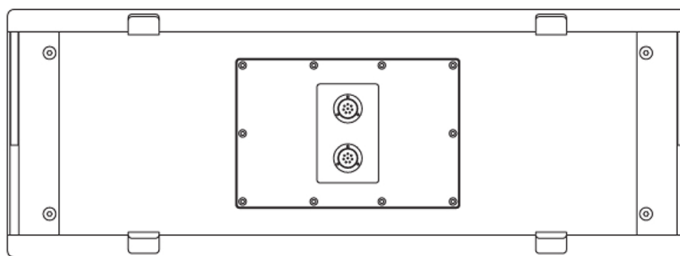




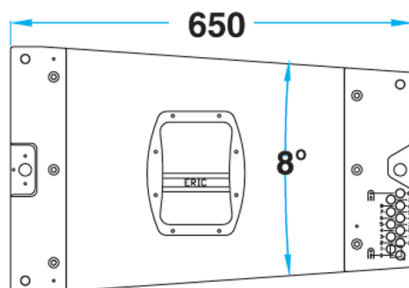
Front View



Top View



Rear View



Side View