



- ▶ FOH for medium and small size events
- ▶ 120° Horizontal Coverage
- ▶ 400W + 140W Program
- ▶ One 10", 2.5" voice coil diameter speaker
- ▶ Two 2.2" ring radiators
- ▶ 15mm birch plywood enclosure

## Technical Specifications

<b>LF Transducer:</b>	1 x 10" Diameter, 2.5" Voice coil speaker
<b>HF Transducer:</b>	2 x 1.75" Voice coil, 2.2" Ring Radiator
<b>Nominal Impedance LF:</b>	16 ohm.
<b>Nominal Impedance HF:</b>	8 ohm
<b>Minimum Impedance LF:</b>	11.5 Ohm @ 264Hz.
<b>Minimum Impedance HF:</b>	7.8 Ohm @ 8230Hz (high frequency range)
<b>RMS Power LF<sup>(1)</sup>:</b>	400W (80V rms)
<b>RMS Power HF<sup>(1)</sup>:</b>	140W (33.5V rms)
<b>Program Power LF<sup>(2)</sup>:</b>	800W
<b>Program Power HF<sup>(2)</sup>:</b>	280W
<b>Peak Power LF<sup>(3)</sup>:</b>	1600W
<b>Peak Power HF<sup>(3)</sup>:</b>	560W
<b>Sensitivity (2.83v @ 1m):</b>	95 dB SPL
<b>Peak SPL<sup>(4)</sup>:</b>	127 dB SPL
<b>Frequency Range<sup>(5)</sup>:</b>	61Hz to 21.2kHz (-10dB) 68Hz to 19.5kHz (-6dB)
<b>Horizontal Coverage (-6dB):</b>	120°
<b>Vertical Coverage (-6dB):</b>	Splay dependent
<b>Enclosure:</b>	Birch Plywood
<b>Grille:</b>	Steel, water proof fabric backing
<b>Connection:</b>	NL4. LF +/-1, HF +/-2.
<b>Color:</b>	Black or white.
<b>Dimensions (HxWxD):</b>	538.5x262x435.5mm, 21.2x10.3x17.1in
<b>Net Weight:</b>	17kg, 37.5lb
<b>Optional accessories:</b>	Rigging Frame SL 101 FL FRAME

(1) Based on a 2h power test run with pink noise, 6dB crest factor, IEC filtered

(2) Conventionally, 3dB higher than the RMS Power

(3) Corresponds to the crest factor for the test described in 1

(4) Calculated based on peak Power and sensitivity

(5) Free Field

## Overview

The SL 101 is an externally amplified two way, line array unit. It features one neodymium magnet 10" low frequency driver, 2.5" voice coil, in a bass reflex enclosure. The high frequencies are reproduced by two 2.2" diameter ring radiator drivers, with neodymium magnets, featuring a polymer membrane.

The ring radiator drivers are coupled to the new VI-5 waveguide which provides a perfect vertical coupling between the high frequency sections.

A carefully designed signal processing provides excellent uniformity of the horizontal coverage, keeping the frequency balance unchanged at the listening angles. A frontfill preset and presets per number of units (6 & 8) are available on our website.

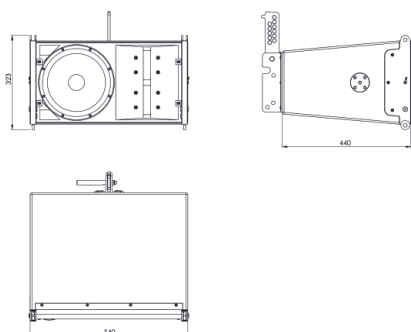
The three points rigging hardware, two on the front and one on the back, make for a fast and reliable set up of the system. The robust 12mm diameter safety pins can be easily introduced and detached from the lightweight aluminium rigging structure, staying always attached to the enclosure thanks to a plastic protected 2mm diameter steel cable. The splay angles go from 0 to 10 degrees in 1° steps.

The 2mm thick front grill shape has been specially designed to avoid resonances. It is made of steel and is covered internally by an acoustically transparent foam that protects the transducers from dust and moisture.

The enclosure is made of 15mm birch plywood and finish in a texturized polyurethane painting.

Two NL4 connectors, input and link, can be found on the rear panel.

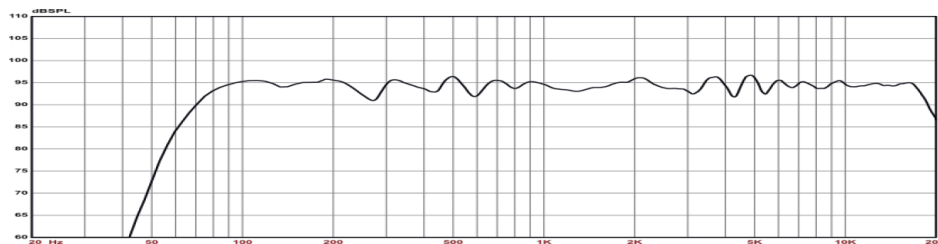
## Dimensions



All dimensions in mm

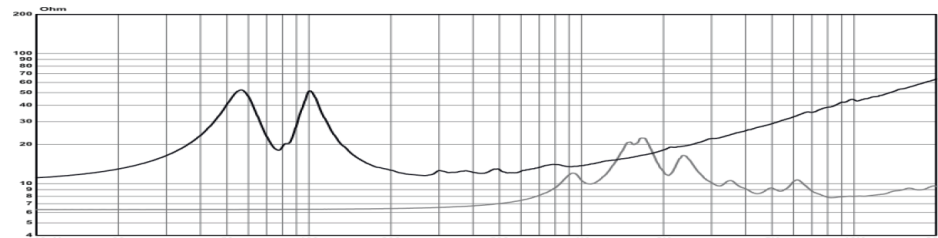
### Frequency Response

On axis frequency response driven by a swept sine wave signal at an input level of 2.83v. Measured in an anechoic chamber at 3m distance, SPL scaled down to 1m. In order to provide a detailed frequency response curve only a 1/6th octave smoothing has been applied.

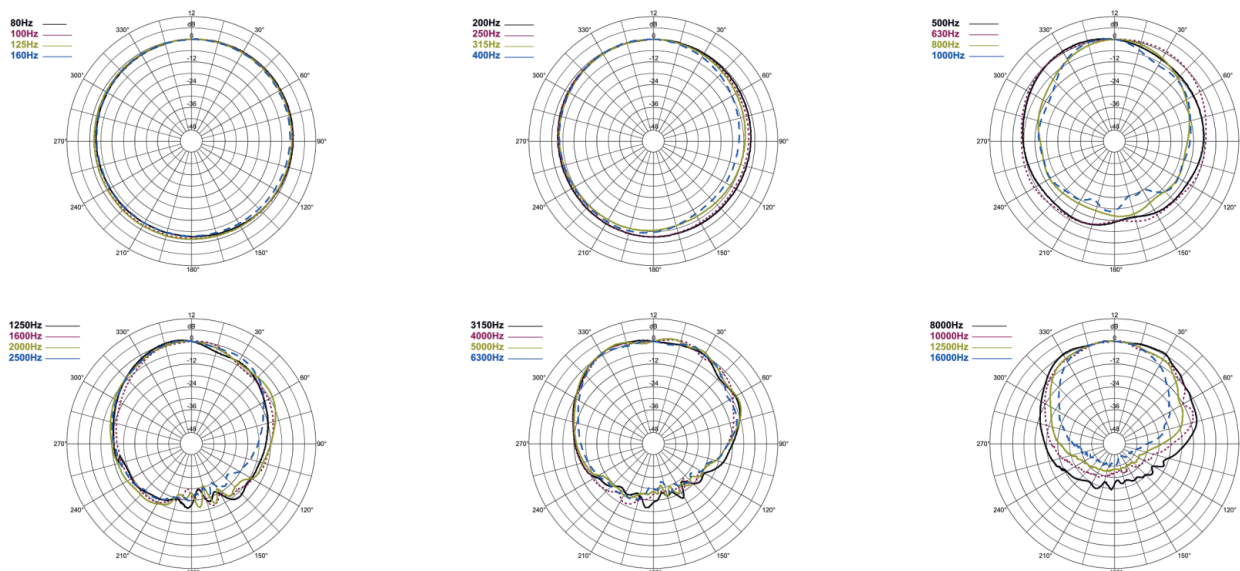


### Impedance

Impedance curve of one SL 101 unit measured with a stepped sinusoidal signal. Frequency resolution is 1/96th octave. In order to provide better magnitude resolution at lower impedance values a logarithmic vertical scale has been used.



### Horizontal 1/3 Octave Polar Response



### Vertical 1/3 Octave Polar Response (Left/Top Right/Bottom)

