

## Description

The LA122 compact line array system joins the LA12 family of professional sound touring products. The system incorporates an impressive battery of high tech features that take compact line array systems to an unprecedented level of performance.

The LA122 incorporates a special 12" low frequency transducer employing a 75 mm (3") voice coil and neodymium magnet motor assembly. High frequency reproduction relies on the exceptional characteristics of two 1.4" neodymium compression drivers designed for use in applications where high SPL and low distortion are required. A pure titanium diaphragm featuring a 65 mm copper-clad, aluminium flat-wire voice coil yields high sensitivity, low distortion and extended frequency response.

The two HF drivers are loaded by a wave converter with path length equalization, the ICWG, that transforms the spherical waves into cylindrical isophasic waves coupling seamlessly with the others high frequency transducers of the array.

For maximum flexibility this line-array element is available in two different coverage angles configuration: 90° horizontal by 0-8° vertical and 120° horizontal by 15° vertical, both passive or self-powered. A combination of these modules provides optimum vertical coverage for any application.

## Technical Specifications

Type	2-Way Bass reflex
Frequency Response: +/- 3dB	58Hz to 19kHz
Horizontal Coverage (-6dB)	90° or 120° ( <b>LA122W</b> )
Vertical Coverage (-6dB)	8° or 15° ( <b>LA122W</b> )
Components	LF - 1 x 12" Neodimium Speaker HF - 2 x 1.4" Neodimium Driver
Power (CPP) / Impedance	LF - 800W / 8 ohm
(Continuos Program Power)	HF - 320W / 16 ohm
SPL at 1m - 1W / Full Power	LF - 105dB / 134dB, Calculated
(Half-space)	HF - 108dB / 133dB, Calculated
Crossover Frequency	1100Hz, 48dB/oct, L/R
Connectors	2 x NL4 Neutrik
Integrated Rigging Angles	0° to 8° or Fixed 15° ( <b>LA122W</b> )
Enclosure Material	15mm 13-ply birch plywood
Finish	Black texturated paint
Grille	Powercoated perforated steel
Dimensions W x H x D	640mm x 369mm x 422mm
Weight	32Kg



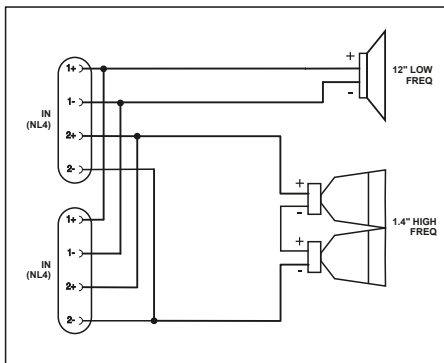
## Key Features

- Simple integral rigging hardware
- 1x12" & 2x1.4" neodymium European drivers for increased reliability
- Extremely smooth horizontal and vertical coverage
- Self-Powered versions also available
- Perfectly integrates the LAs118

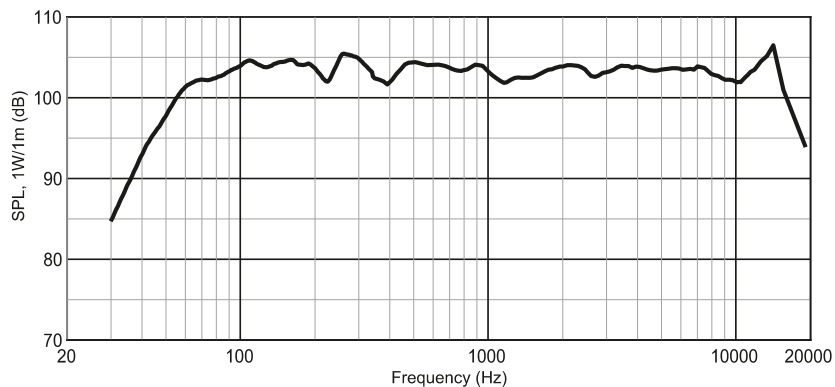
## Applications

- High SPL Concert Sound
- Dance-clubs/discotheques
- Live clubs
- Mobile Dj system
- Performing arts facilities
- Theatrical sound design
- Auditoriums
- Sports facilities
- Themed entertainment venues.

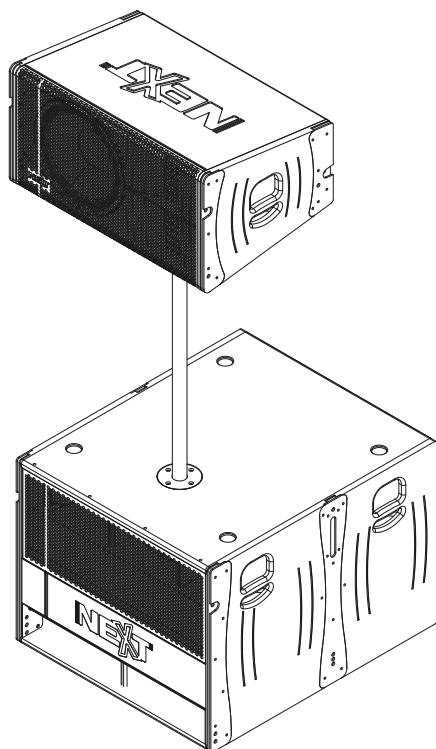
## Connections



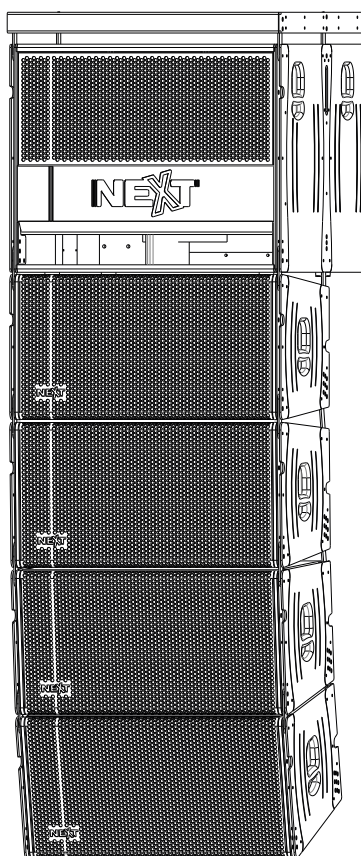
## Frequency Response



## Configurations Examples

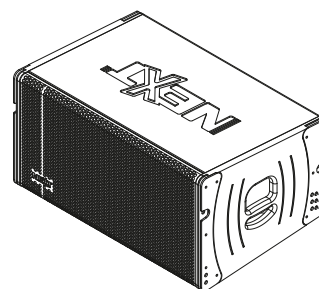


LA122W & LAs118

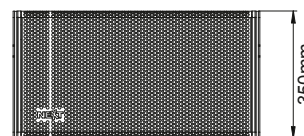


LA122 & LAs118

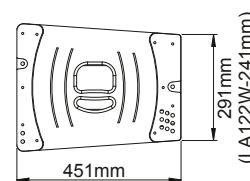
## Dimensional Drawings



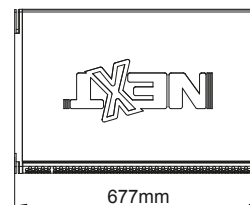
Isometric



Front



Side



Top