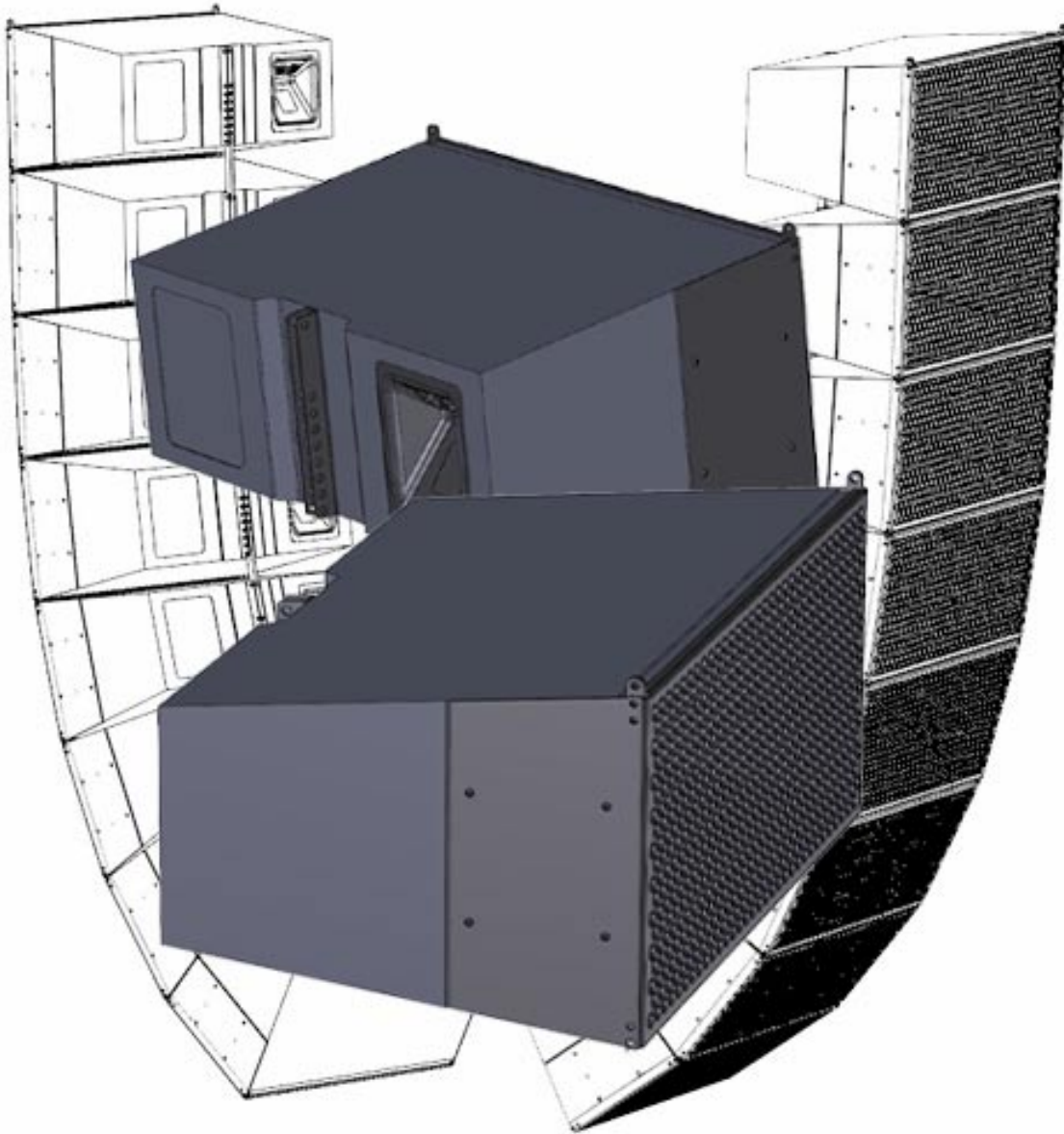


PLA21021

Compact high power line array module



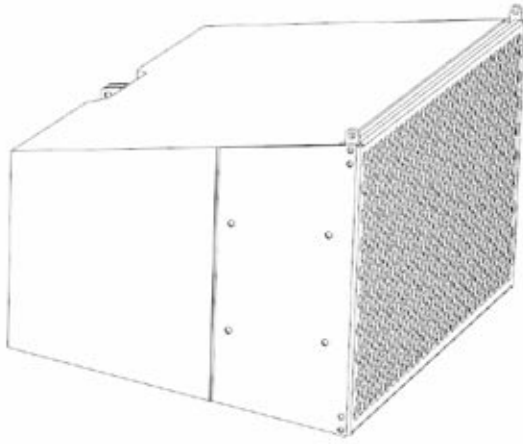
prophon
SOUND SYSTEMS



The PLA21021 was designed after extensive research on what the users need and expect from a modern line array module. And with that research in mind we developed the PLA21021.

Here are some of the key features asked for by users:

- Flexible, for use in smaller clubs, live performance stages, and for fixed installations with 2-4 pcs. in a cluster array with subwoofers, up to full-scale line array system for festivals and the tour industry.
- Passive, with built in crossover, 8 ohm, for easy setup and an economic use of amplifiers and DSP-processors.
- Possibility to use amplifiers and DSP-processors from Prophon and other brands, with presets and settings for download.
- Easy to setup and install, we designed the 3-point lifting system
- Light weight, all components in the PLA21021 are neodymium light-weight components, resulting in a 20 kg. line array module
- Integrated hardware, without extra parts.
we designed the new hardware system integrated in the front-grille.
- Easy to ground-stack, the bumper frame are used for both line array and for ground-stacking, no extra parts needed, it also fits to all our subwoofers for easy rigging.
- Compact format for easy handling and rigging
The PLA21021 measures only:
600 in width, 300 in height and 400 in depth
- Fullrange frequency response.



- Smart, safe and easy to use rigging-hardware, with folding parts.
- Standard Speakon connectors, using 1+/1- for fullrange input
- 8 ohm impedance, enabling four modules to be amplified on each amplifier channel, running in 2 ohm load, for cost-efficient installations. Also reducing the amount of amplifier channels needed when touring.
- 3-point lifting hardware.
- Rigging hardware integrated, no external parts needed.
- 2 x 10" powerful neodymium woofers
- 2 x 1" drivers mounted on waveguide and horn
- V15 x H110 dispersion pattern
- Light-weight design, weighing only 20 kg. incl. flightware.
- Built-in dedicated advanced passive crossover network
- 102 dB sensitivity
- FIR filter available for downloading and using in several amplifier- and DSP- manufacturers software.
- Designed, engineered, manufactured and assembled in Sweden

Technical specifications PLA21021, Line array module

Construction	Closed cabinet, V-baffle, waveguides, soundguides, with dedicated built-in passive crossover network
Components Low frequency	2 x 10" Neodymium light weight cone speakers
Components High frequency	2 x 1" Neodymium drivers mounted on waveguides
Sensitivity	102dB, 1W/1m.
Nominal impedance	8 ohm
Power handling RMS	500W
Power handling cont.	1000W
Power handling peak	2000W
Max SPL peak (calc.)	135dB peak 144dB peak for Array with 4 pcs on each side 147dB peak for array with 8 pcs on each side
Dispersion	H110 x V15
Frequency response	50Hz - 19kHz
Measurements	H310 x W600 x D400
Weight	20 kg.
Applications	Line array for tour application Line array in fixed installation Fixed installation 1-4 modules in cluster Portable sound system 1-3 pcs. with subwoofers
Hardware	3-point fixed fly-ware, with adjustable splay angle
External hardware	Bumper frame for line array, ground-stack and club-stacking, brackets for fixed installations
Input connections	Neutrik NL4MP 1+/1- input 2+/2- Link
Recommended amplifiers	Prophon P3000DSP, Prophon P3000, Prophon P10000 Powersoft X4, Powersoft X8, Powersoft K8, K10, K20 with DSP
Recommended DSP processors	Prophon DSP480,