LA21A

Presentation:

Compact vertical line array element designed to provide high performance, detailed highs and a well-defined midrange.

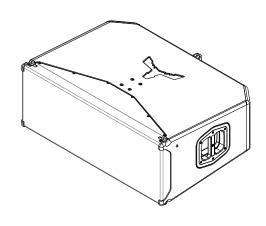
The LA21A has built-in premium quality EU transducers (2x 10" - 2.56in VC) and 1x 1.4" - 2.56in VC Neodymium HF driver, both combinations ensuring powerful and crystal clear reproduction. high SPL with an extended frequency response. The MF/HF pattern control is array splay dependent and horizontal coverage is 100° thanks to true wave guide horn that ensure consistent and long range projection with very low distortion levels.

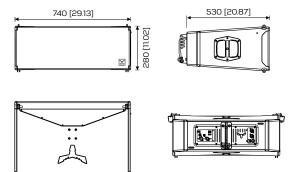
As self-powered system, the LA21A incorporates a 2-channel Class D amplifier and a DSP for real time operation according to different environments and music styles. With 4 user-defined presets than can be selected on the rear panel, the class D amplifier is prepared for 85-264Vac global mains voltage (SMPS with PFC) and features various electronic protections to guarantee the use of the speaker system in perfect sound and safe operation.

LA21A rugged enclosure is manufactured using 15/18mm birch plywood painted in hard-wearing and durable polyurea coating, equipped with fully integrated rigging hardware with quick-release bolts/pins to ensure fast and easy setup, designed for flying and ground stacking applications.



- 2-way Curvilinear array element
- Trapezoidal enclosure
- 2x 10" (2.56in VC) MF (front loaded) EU transducer
- 1x 1.4" (2.561in VC) Neodymium EU driver
- 2-channel Class D amplifier with integrated DSP
- Universal 85-264Vac mains, SMPS with PFC
- Passive or biamp operation (user-selectable)
- Integrated rigging flyware, stacked and flown configurations
- Rugged and durable 15mm birch plywood construction
- Powder coated custom perforated steel grille





2-channel Class D

800W + 400W (continuous) Fully programmable DSP

Dimensions in mm [in]

Technical specifications:

Nominal impedance

Acoustical		Amplifier Module
Туре	2-way Curvilinear array element	Туре
Enclosure design	Trapezoidal array enclosure	Output Power
Power rating (RMS/Peak)	700W / 2800W	Internal Processing
Frequency range	52 - 19.5kHz (-10dB)	

Transducer type 2x 8" LF (2in VC) EU transducer, front loaded 1x 1.4" HF NEO (2.56in VC) EU transducer

Dispersion 100°x array length-splay dependent (HxV)

Crossover frequency N/A SPL (1W/1kHz) 135dB @ 1m

48KHz sampling frequency
24 bit AD/DA converter

Audio input/output
XLR/Jack combo connector
XLR/M 3p
Indicators
Power, signal/preset, status, clip
Controls
Master level control, 4 selectable
AC Mains
SMPS with PFC, 85-264Vac univ

AC Mains connector

Protections

Master level control, 4 selectable presets SMPS with PFC, 85-264Vac universal mains Neutrik® powerCON, Power-in/Power-out Over current, short circuit, thermal, DC and HF

Mechanical

Enclosure 15mm birch plywood, rugged polyurea coating
Grille Custom perforated metal grilles w/ acoustic foam

Color Black or white textured
Hardware Integrated steel rigging flyware

Splay angle adjustment, 8° (1° increments)

Ø9.8mm ball pins w/ stainless steel lanyard with PVC

Dimensions 740x530x280mm | 29.13x20.87x11.02in

Weight 32Kg | 70.55lb