

## 3-Way Tri-Amp Concert Line-Array system

### FEATURES

- Rugged and durable 15 mm Birch Plywood construction and finish
- Premium European High Efficiency custom IDEA Transducers
- 16 + 16 + 16 Ohm Tri-AMP
- Dual Neutrik NL8 connectors
- Durable Aquaforce paint, available in standard textured black or white
- Optional RAL colors (on demand)
- Turn-key Factory Amplifier/DSP dedicated configurations
- 1.5 mm Aquaforce coated steel grille with internal protective foam
- Integrated Precision rigging for stacked and flown configurations
- Dedicated LINK transport /storage/rigging accessories and Flying frame
- Matching subwoofer configurations
- Exclusive IDEA High-Q 8-slot line-array diffraction waveguide

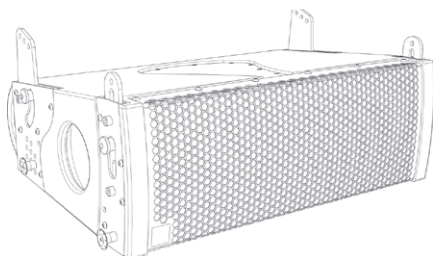
### APPLICATIONS

- High SPL A/V portable sound reinforcement
- FOH for medium size performance venues and clubs
- Main system for Regional Touring & Rental Companies
- Down-Fill or ancillary system for larger P.A systems

### OVERVIEW

From one-man shows to stadium rock festivals, VOA Line Array systems are always powerful, dependable and excellent value solutions. Designed to be simple to configure, deploy and operate in a reliable and predictable way, these Line Array systems will save time, efforts and costs to Pro-AV, sound rental and touring companies.

VOA16 is a multipurpose line-array element that can serve as portable/installed FOH for medium venues and as ancillary side/down fill for larger PA systems, with a coherent, natural sound within the coverage area.

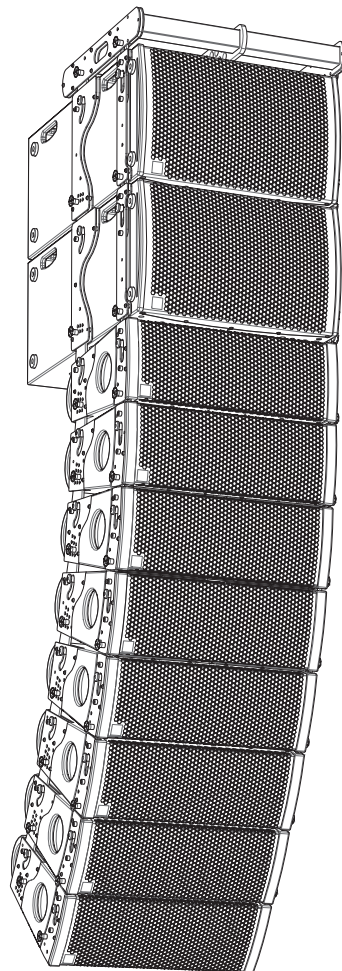


The passive VOA16 is a Tri-amp line-array element handles 60 W for the HF section, 250 W for the MF section and 300 W for the LF, delivering up to 130 dB Peak SPL (see specifications for more detailed measurements).

The HF assembly mounts a 3" compression driver and IDEA's proprietary Hi-Q 8-slot diffraction waveguide allowing for minimum vertical gap between array elements and providing optimum element coupling and reducing artifacts and DSP adjustments. For the MF and LF sections, VOA16 mount dual high-performance 8" woofers capable of getting down to 85 Hz.

VOA16 systems include a dedicated Dual 12" Band-Pass Low Frequency extension cabinet that is compatible with VOA16 Rigging Frame, allowing for Flown-Sub set-ups (as shown in picture above). This configuration delivers higher SPL levels and excellent audio quality.

Like all other members in the VOA family, VOA16 feature IDEA's integrated precision steel rigging system allowing for 0-10° angulations in 1° splays to allow for optimum coverage and maximum efficiency of the constant curvature array system in every application.



## TECHNICAL DATA

<b>Enclosure design</b>	10° Trapezoidal Array Element · Sealed MF, Ported LF
<b>LMF Transducers</b>	2 x 8" High performance woofer
<b>HF Transducers</b>	3" Voice coil Compression Driver [1.4 Exit, 120 mm magnet]
<b>Continuous RMS Power</b> [6dB Crest Factor, 2h]	300 + 250 + 75 W
<b>Nominal Impedance</b>	16 + 16 + 16 Ohm
<b>Peak SPL</b> [Full Space/Half Space]	124/130 dB @ 1 m (LF, 1 element, 2 ms, 1,200 W)
<b>Frequency Response</b> [-3 dB]	85-18,000 Hz
<b>Nominal Directivity</b> [Average @Xover]	Array length-splay dependent x 120° horizontal
<b>Dimensions</b> [WxHxD]	630 x 223 x 490 mm
<b>Weight</b>	30 Kg
<b>Connectors</b>	2 x NL-8 in Parallel
+/-1	LF
+/-2	MF
+/-3	HF
+/-4	Parallel Signal
<b>Cabinet Construction</b>	15 mm Plywood with integrated steel rigging system
<b>Grille</b>	1.5 mm perforated weatherized steel with protective foam
<b>Finish</b>	Durable IDEA proprietary Aquaforce High Resistance Paint coating process
<b>Available internal splay angles</b>	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 degrees
<b>Handles</b>	4 integrated handles
<b>Wheels</b>	-
<b>Feet/Skates</b>	-
<b>Rigging System</b>	Integrated steel rigging system compatible with LINK series rigging accessories

## TECHNICAL DRAWINGS

