

EVO55 System

Dual-5" 4-element Active Line-Array System

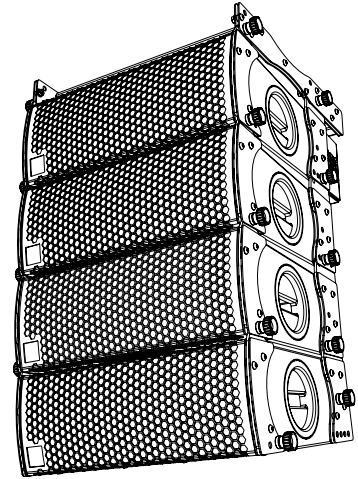


QuickStart Guide

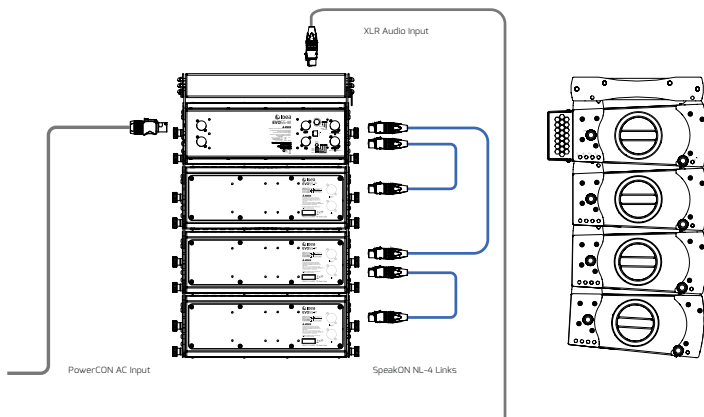
EVO55 System is a unique professional portable sound reinforcement solution that offer excellent modularity and versatility.

The very compact 4-element array cluster (smaller than a typical 15" 2-way loudspeaker) will always deliver SPL and coverage beyond the physical size of the system, while it can be rigged and operated with minimal logistical resources. It can be pole mounted, stacked and flown very easily by only operator.

EVO55 loudspeakers features HF assembly with a 1.75" compression driver and a proprietary wave-guide design and a dual-5" woofer configuration for the LF section. These premium-quality, high-performance European transducers a dedicated passive crossover filter allow for a natural, linear response throughout the useful frequency range spectrum without any processing of the system.



BASIC SYSTEM CONFIGURATION



The integrated weatherized steel rigging structure and stacking, transport and rigging accessories make **EVO55** a really plug-and-play system.

The active **EVO55-M** element features a 1.4 kW Class-D amp and DSP power module by Powersoft so one **EVO55-M** element powers 3 **EVO55-P** elements, as shown in the diagram on the left, with the dedicated SpeakON NL-4 cable links included with every **EVO55-M**.

Depending on the scale of the application, a medium-sized **EVO55-M** system can be easily split into smaller clusters for mobile and portable solutions.

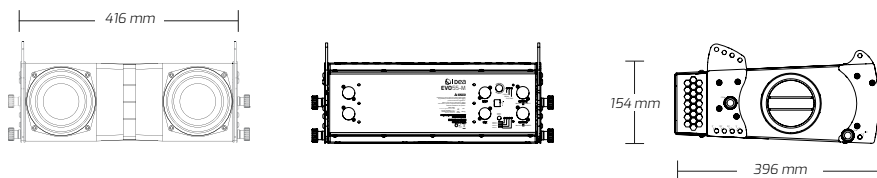
Passive systems can be configured as factory ready with **TEOd8** driven amps.

TECHNICAL DATA

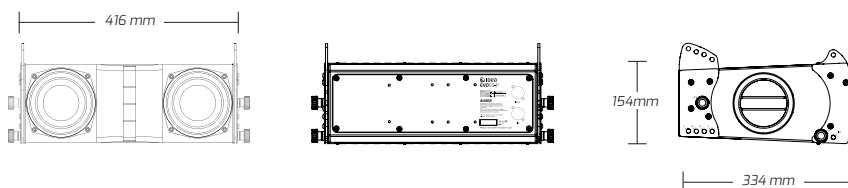
	EVO55-M (x1)	EVO55-P (x3)
Enclosure design		5° Trapezoidal
LF Transducer		2 x 5" High Performance Woofers
HF Transducer		1 x 1.75" Compression Driver
Amp/DSP Module	14 kW	-
Power Handling (RMS)	-	300 W
Nominal Impedance	-	16 Ohm
SPL (Continuous/Peak) per element		121/127 dB SPL
SPL (Continuous/Peak) 4-element system		125/131 dB SPL
Frequency Range (-10 dB) per element		69 - 19000 Hz
Frequency Range (-3 dB) per element		95 - 17000 Hz
Connectors	2 x XLR + 2 x PowerCON + 2 x NL-4	2 x NL-4
Cabinet Construction		15/18 mm Birch Plywood
Grille		1.5 mm perforated weatherised steel with protective foam
Finish		Durable IDEA proprietary Aquaforce High Resistance paint coating process
Rigging Hardware		High-resistance, coated steel integrated 4-point rigging hardware (internal splay angles: 0°-1.25°-2.5°-5°)
Dimensions (WxHxD)	416 x 154 x 396 mm (16.38 x 6.06 x 15.6 in)	416 x 154 x 334 mm (16.38 x 6.06 x 13.1 in)
Dimensions (WxHxD) System		416 x 622 x 396 mm (16.38 x 24.25 x 15.60 in)
Weight - per element	15 kg (33.1)	13 kg (28.7 lb)
Weight - System		54 kg (119 lb)
Handles		2 integrated handles
Accessories		Rigging frame (RF EVO55) Pole adaptor (PA EVO55)

TECHNICAL DRAWINGS

EVO55-M



EVO55-P



WARNINGS & SAFETY GUIDELINES



- Read this document thoroughly, follow all safety warnings and keep it for future reference.
- The exclamation mark inside a triangle indicates that whatever repairing and component replacement operations must be done by qualified and authorized personnel.
- No user serviceable parts inside.
- Only use accessories tested and approved by IDEA and supplied by the manufacturer or an authorized dealer.
- Installations, rigging and suspension operations must be done by qualified personnel.



- This is a Class I device. Do not remove Mains connector ground.
- Only use accessories specified by IDEA, complying with maximum loads specifications and following local safety regulations.
- Read the specifications and connection instructions before proceeding to connect the system and use only cabling supplied or recommended by IDEA. Connection of the system should be done by qualified personnel.
- Professional sound reinforcement systems can deliver high SPL levels that may result in hearing damage. Do not stand close to the system while in use.



- Loudspeakers produce magnetic field even while they are not in use or even when disconnected. Do not place or expose loudspeakers to any device that is sensitive to magnetic fields such as television monitors or data storage magnetic material.
- Keep the equipment in the safe working temperature range [0°-45°] at all times.
- Disconnect the equipment during lightning storms and when it is not to be used for a long time.
- Do not expose this device to rain or moisture.
- Do not place any objects containing liquids, such as bottles or glasses, on the top of the unit. Do not splash liquids on the unit.
- Clean with a wet cloth. Do not use solvent-based cleaners.
- Regularly check the loudspeaker housings and accessories for visible signs of wear and tear, and replace them when necessary.
- Refer all servicing to qualified service personnel.



- This symbol on the product indicates that this product should not be treated as household waste. Follow local regulation for recycling of electronic devices.
- IDEA declines any responsibility from misuse that may result in malfunction or damage of the equipment.

WARRANTY

- All IDEA products are guaranteed against any manufacturing defect for a period of 5 years from date of purchase for acoustical parts and 2 years from date of purchase for electronic devices.
- The guarantee excludes damage from incorrect use of the product.
- Any guarantee repair, replacement and servicing must be exclusively done by the factory or any of authorized service centres.
- Do not open or intend to repair the product; otherwise servicing and replacement will not be applicable for guarantee repair.
- Return the damaged unit, at shipper's risk and freight prepaid, to the nearest service centre with a copy of the purchase invoice in order to claim guarantee service or replacement.

DECLARATIONS OF CONFORMITY

*I MAS D ELECTROACÚSTICA SL
POL. A TRABE 19-20 15350 CEDEIRA (GALICIA - SPAIN)
DECLARES THAT: EVO55 SYSTEM
COMPLIES WITH THE FOLLOWING EU DIRECTIVES:
ROHS (2002/95/CE) RESTRICTION OF HAZARDOUS SUBSTANCES
LVD (2006/95/CE) LOW VOLTAGE DIRECTIVE
EMC (2004/108/CE) ELECTRO-MAGNETIC COMPATIBILITY
WEEE (2002/96/CE) WASTE OF ELECTRIC AND ELECTRONIC EQUIPMENT
EN 60065: 2002 AUDIO, VIDEO AND SIMILAR ELECTRONIC APPARATUS. SAFETY REQUIREMENTS.
EN 55103-1: 1996 ELECTROMAGNETIC COMPATIBILITY: EMISSION
EN 55103-2: 1996 ELECTROMAGNETIC COMPATIBILITY: IMMUNITY*



www.ideaproaudio.com



For further information scan the QR Code
or refer to the following web address: www.ideaproaudio.com/product-detail/evo55-system

IDEA is always in pursuit of better performance, greater reliability and design features.
Technical specifications and minor finish details may vary without notice in order to improve our products.

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