



IDea EVO88-M Dual 8 Inch Active Line Array System User Guide

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overview

EVO88-M System is a multipurpose line-array cluster that can serve as a portable or installed FOH solution for medium to large venues and as ancillary side/down fill for larger PA systems, with a coherent, natural sound within the coverage area and superior power delivery in its category

EVO88-M is an active line-array element that features a 1.2 kW Class-D Powersoft power module. One unit of self-powered **EVO88-M** feeds one passive **EVO88-P**, integrating a straight-



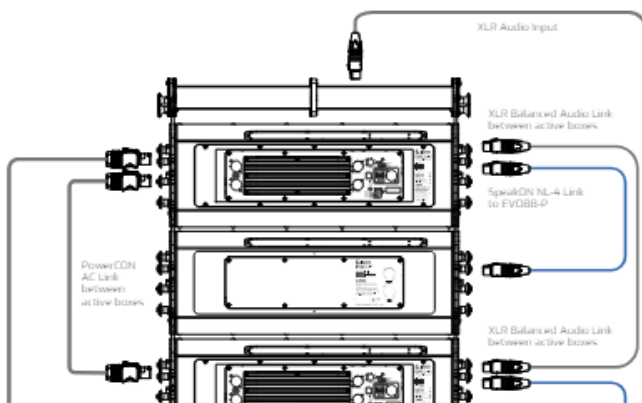
forward active system that optimises costs, setup and logistics. The HF assembly mounts a 3" compression driver and an **IDEA** proprietary Hi-Q waveguide allowing for minimum vertical gap between array elements providing optimum element coupling and reducing artifacts and DSP adjustments while providing optimum directivity control. For LMF section, **EVO88** elements mount dual very high-performance 8" woofers.



system configuration

The active **EVO88-M** features a 1.2 kW Class-D amp and DSP power module by Powersoft so one **EVO88-M** element can power another **EVO88-P** in active system, as shown in the diagram, with the dedicated SpeakON NL-4 cable links included with every **EVO88-M**. Depending on the scale of the application, a medium-sized **EVO88-M** system can be easily split into smaller clusters for mobile and portable solutions.

Passive systems can be configured as factory ready with turn-key solutions for **TEOd9** driven amps as well as top-tier third-party platforms.



features

- 2-Way Dual 8" Ported Compact Line-Array elements
- Powersoft Class-D 2 kW power module
- Active 2 kW version powers another **EVO88-P** passive element
- Premium European High Efficiency custom **IDEA** Transducers
- Proprietary **IDEA** High-Q 6-slot line-array waveguide
- Dedicated transport /storage/rigging accessories and flying frame
- Matching subwoofer for stacked and flown setups

applications

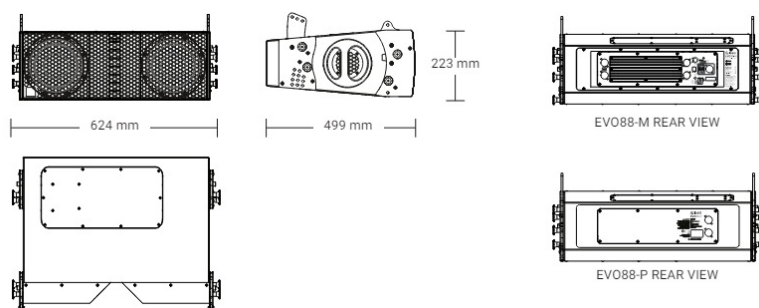
- High SPL A/V portable sound reinforcement
- FOH for small to medium size performance venues and clubs
- Ultra-compact High SPL installed sound reinforcement

technical data

	EVO88-M (×1)	EVO88-P (×1)
Enclosure design	10° Trapezoidal	
LF Transducer	2 × 8" High performance woofers	
HF Transducer	3" Voice coil Compression Driver	
Amp/DSP Module	1.2 kW	–
Power Handling (RMS)	–	500 W
Nominal Impedance	–	16 Ω
SPL (Continuous/Peak) per element	130/136 dB SPL	
Frequency Range (-10 dB) per element	50 – 23000 Hz	
Frequency Range (-3 dB) per element	72 – 21000 Hz	
Connectors	2 × XLR + 2 × PowerCON + 1 × NL-4	2 × NL-4

Cabinet Construction	15 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 10 angulation points (0°-10° internal splay angles in 1° steps)	
Dimensions (W×H×D)	624 × 223 × 499 mm	624 × 223 × 499 mm
Dimensions (W×H×D) System	624 × 447 × 499 mm	
Weight – per element	36.3 kg	34.5 kg
Weight – System	70.8 kg	
Handles	2 integrated handles	
Accessories	RF-600 Rigging frame RF 600 STK Rigging frame stack CRT EVO88 Transport cart COV-EV88-4 Rain cover for 4 × EVO88 RC-EV88-M + RC-EV88-F (included) Power module rain cover	

technical drawings



warnings on safety guidelines

- Read this document thoroughly, follow all safety warnings and keep it for future
- 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
- Only use accessories tested and approved by **IDEA** and supplied by the manufacturer or an authorized
- Installations, rigging and suspension operations must be done by qualified
- 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 Do not stand close to the system while in use.
- Loudspeaker 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
- Disconnect the equipment during lightning storms and when it is not to be used for a long
- Do not expose this device to rain or
- Do not place any objects containing liquids, such as bottles or glasses, on the top of the Do not splash liquids on the unit.
- Clean with a wet Do not use solvent-based cleaners.
- Regularly check the loudspeaker housings and accessories for visible signs of wear and tear, and replace them when
- Refer all servicing to qualified service
- This symbol on the product indicates that this product should not be treated as household Follow local regulation for recycling of electronic devices.
- **IDEA** declines any responsibility from misuse that may result in malfunction or damage of the

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
- The guarantee excludes damage from incorrect use of the
- Any guarantee repair, replacement and servicing must be exclusively done by the factory or any of authorized service
- Do not open or intend to repair the product; otherwise servicing and replacement will not be applicable for guarantee
- 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.


declaration of conformity

I MAS D Electroacústica S.L. , Pol. A Trabe 19-20 15350 CEDEIRA (Galicia – Spain), declares that **EVO88-M** 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 Safety requirements.*
- *EN 55103-1: 1996 Electromagnetic compatibility: Emission*
- *EN 55103-2: 1996 Electromagnetic compatibility: Immunity*

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Documents / Resources

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References

-  [IDEA Pro Audio](#)
- [User Manual](#)

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