

IDea EVO55-P Dual 5-inch Passive Line Array System



# IDea EVO55-P Dual 5-inch Passive Line Array System User Guide

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**IDea EVO55-P Dual 5-inch Passive Line Array System**



## Specifications

- **Enclosure design:** Dual 5-inch Passive Line-Array System
- **LF Transducers:** Dual 5-inch woofers
- **HF Transducers:** 1-inch compression driver with proprietary wave-guide design
- **SPL (Continuous/Peak):** 121/127 dB SPL
- **Frequency Range (-10 dB):** 69 – 19000 Hz
- **Frequency Range (-3 dB):** 95 – 17000 Hz
- **Aiming/Prediction Software:** EASE FOCUS
- **Cabinet Construction:** Weatherised steel rigging structure
- **Rigging Hardware:** Included for stacking, transport, and flying
- **Dimensions (WxHxD):** 416mm x 396mm x 154mm
- **Handles:** Included

## Product Usage Instructions

### Installation and Setup

To install the EVO55-P line-array system, follow these steps:

1. Choose the appropriate mounting option: pole mount, stack, or fly.
2. Ensure the rigging hardware is securely attached.
3. Connect any necessary audio cables to the system.

### Operation

Operating the EVO55-P system is straightforward:

1. Power on your audio source and adjust the volume to a suitable level.
2. If using multiple units, ensure they are synchronized for optimal performance.

### Maintenance

To maintain your EVO55-P system:

1. Regularly check for any loose connections or damage.
2. Clean the exterior of the system with a damp cloth as needed.

## Overview

- **EVO55-P** line-array elements are unique professional install sound reinforcement systems 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 an operator.
- **EVO55-P** features HF assembly with a 1" 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.
- The integrated weatherised steel rigging structure and stacking, transport and rigging accessories make EVO55-P a really plug-and-play system.
- Flown and staked systems can be configured with the specific BASSO24t F400 subwoofer (2 × 12" bandpass), with active and passive versions (3.2 kW Class-D).



## Features

- 2-Way Dual 5" Ported Compact Line-Array element
- 1 element of active EVO55-M powers three EVO55-P passive elements
- Premium European High Efficiency custom IDEA Transducers
- Proprietary IDEA High-Q 4-slot line-array diffraction waveguide
- Dedicated transport /storage/rigging accessories and flying frame
- Staked and flown configurations with BASSO24t F400, with active and passive versions

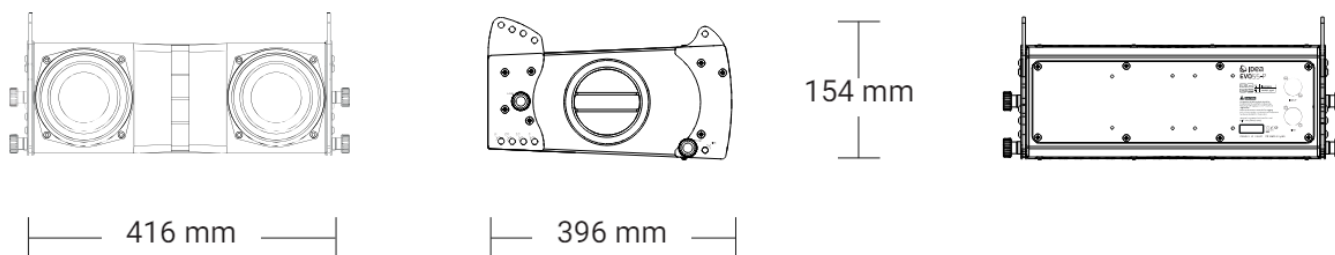
## Applications

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

## Technical data

Enclosure design	5° Trapezoidal
LF Transducers	2 × 5" High performance woofers
HF Transducers	1" Voice coil Compression Driver
Power Handling (RMS)	300 W
Nominal Impedance	16 Ohm
SPL (Continuous/Peak)	121/127 dB SPL
Frequency Range (-10 dB)	69 - 19000 Hz
Frequency Range (-3 dB)	95 - 17000 Hz
Aiming/Prediction Software	EASE FOCUS
Coverage	90° Horizontal
Connectors +/-1 +/-2	2 x Neutrik speakON® NL-4 in parallel Input Parallel Signal
Cabinet Construction	12/15 mm Birch Plywood
Grille	1.5 mm perforated weatherised steel with protective foam
Finish	Durable <b>IDEA</b> 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 × 154 × 334 mm
Weight	13.3 kg
Handles	2 integrated handles
Accessories	Rigging frame (RF <b>EVO55</b> ) Rigging frame stack (RF <b>EVO55</b> STK) Pole adaptor (PA <b>EVO55</b> ) Extensible pole with hand crank (P21338)

## Technical drawings



## Warnings on 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.
- 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.
- 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.

## **Declaration of conformity**

I MAS D Electroacústica S.L. , Pol. A Trabe 19-20 15350 CEDEIRA (Galicia – Spain), declares that EVO55-P 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
- **60065:** 2002 Audio, video and similar electronic apparatus. Safety requirements.
- **55103-1:** 1996 Electromagnetic compatibility: Emission
- **55103-2:** 1996 Electromagnetic compatibility: Immunity

- [www.ideaproaudio.com](http://www.ideaproaudio.com)
- [info@ideaproaudio.com](mailto:info@ideaproaudio.com)

Specifications and product appearance may be subject to change without notice. Las especificaciones y apariencia del producto pueden estar sujetas a cambios. IDEA\_EVO55-P\_QS-BIL\_v4.0 | 4 – 2024

FAQ

**Q: Can the EVO55-P system be used outdoors?**

A: Yes, the EVO55-P features a weatherised steel rigging structure, making it suitable for outdoor use.


**Q: What is the recommended way to transport the EVO55-P system?**

A: The system can be easily transported by stacking or using the included rigging hardware for flying.

**Q: Does the EVO55-P require additional processing for optimal performance?**

A: No, the dedicated passive crossover filter ensures a natural, linear response without the need for additional processing.

Documents / Resources

	<p><a href="#">IDea EVO55-P Dual 5-inch Passive Line Array System</a> [pdf] User Guide</p> <p>EVO55-P Dual 5-inch Passive Line Array System, EVO55-P, Dual 5-inch Passive Line Array System, Passive Line Array System, Line Array System, Array System, System</p>
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References

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

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