

IDea EVO20-P Two-Way Passive Professional Line Array System



IDea EVO20-P Two-Way Passive Professional Line Array System User Guide

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IDea EVO20-P Two-Way Passive Professional Line Array System



Specifications

- **Enclosure design:** 2-way passive dual 10 Line Array system
- **LF Transducers Power Handling (RMS):** 400 W
- **HF Transducers Power Handling (RMS):** 70 W
- **Nominal Impedance:** LF – 8 Ohm, HF – 16 Ohm
- **SPL (Continuous/Peak):** 127/133 dB
- **Frequency Range (-10 dB):** 66 – 20000 Hz
- **Frequency Range (-3 dB):** 88 – 17000 Hz
- **Aiming/Prediction Software:** EASE FOCUS
- **Cabinet Construction:** European safety regulations and certifications
- **Connectors:** +/-1, +/-2
- **Grille Finish:** Superior construction and finish
- **Dimensions (WxHxD):** 626 mm x 570 mm x 278 mm
- **Weight:** Not specified
- **Handles:** Yes
- **Accessories:** Not specified

Product Usage Instructions

Setup and Installation

1. Choose a suitable location for the EVO20-P system, ensuring proper ventilation and stability.
2. Connect the EVO20-P to your audio source using the appropriate connectors.
3. Use the aiming/prediction software EASE FOCUS to optimize the positioning of the system for best sound coverage.

Operation

1. Power on the EVO20-P system and adjust the volume levels as needed.
2. Monitor the sound output to ensure it meets your requirements.

FAQ

- **Q: What is the power handling capacity of the LF and HF transducers?**
 - A: The LF transducers can handle up to 400 W RMS, while the HF transducers can handle up to 70 W RMS.
- **Q: Is the EVO20-P suitable for high SPL installations?**
 - A: Yes, the EVO20-P is designed for High SPL installations in venues such as club sound, sport arenas, or performance venues.
- **Q: How can I optimize the sound coverage of the EVO20-P system?**
 - A: You can use the EASE FOCUS aiming/prediction software to accurately position and configure the system for maximum sound coverage.

EVO20-P

Two-Way Passive Professional Line Array System

QUICK START GUIDE

Overview

EVO20-P professional 2-way passive dual 10" Line Array system delivers excellent sonic performance and reliability in a convenient and cost-effective package that meets all audio industry professional standards, featuring high quality European transducers and electronic components, European safety regulations and certifications, superior construction and finish and maximum ease of configuration, set-up and operation.

Conceived as main system in portable professional sound reinforcement or touring applications, EVO20-P can also be the ideal choice for High SPL installations for Club sound, sport arenas or performance venues.



Features

- Customized High Efficiency European Transducers for IDEA
- Dedicated 8-slot waveguide with directivity control diffusers
- 15-mm birch plywood construction and strong, durable finishes
- Neutrik NL-4 connectors
- Integrated 6-mm steel anchoring and flying system
- 10 angle points in 1° steps
- Resistant painting process, available in black and white
- Two integrated handles
- Specific accessories for transport, storage, anchoring and flying

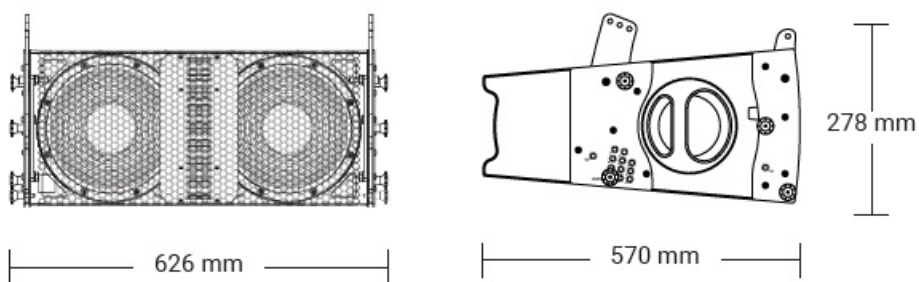
Applications

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

Technical data

Enclosure design	10° Trapezoidal
LF Transducers	2 × 10" High performance woofers
HF Transducers	1 × compression driver, 1.4" horn throat diameter, 75 mm (3 in) voice coil
Power Handling (RMS)	LF: 400 W HF: 70 W
Nominal Impedance	LF: 8 Ohm HF: 16 Ohm
SPL (Continuous/Peak)	127/133 dB SPL
Frequency Range (-10 dB)	66 – 20000 Hz
Frequency Range (-3 dB)	88 – 17000 Hz
Aiming/Prediction Software	EASE FOCUS
Coverage	90° Horizontal
Connectors +/-1 +/-2	2 x Neutrik speakON® NL-4 in parallel LF HF
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 (WxHxD)	626 × 278 × 570 mm
Weight	35.3 kg
Handles	2 integrated handles
Accessories	Rigging frame (RF- EVO20) Transport cart (CRT EVO20)

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.
- 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.
- 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 S.L. , Pol. A Tab 19-20 15350 CEDEIRA (Galicia – Spain), declares that EVO20-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



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- Specifications and product appearance may be subject to change without notice.
- IDEA_EVO20-P_QS-BIL_v4.0 | 4 – 2024

Documents / Resources

	<p>IDea EVO20-P Two-Way Passive Professional Line Array System [pdf] User Guide</p> <p>EVO20-P Two-Way Passive Professional Line Array System, EVO20-P, Two-Way Passive Professional Line Array System, Way Passive Professional Line Array System, Passive Professional Line Array System, Professional Line Array System, Line Array System, Array System</p>
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References

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

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