

IDea EVO24-M Touring Line Array System



IDea EVO24-M Touring Line Array System User Guide

[Home](#) » [iDea](#) » IDea EVO24-M Touring Line Array System User Guide 

Contents

- [1 IDea EVO24-M Touring Line Array System](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Overview](#)
- [5 Features](#)
- [6 Applications](#)
- [7 Technical Data](#)
- [8 Technical Drawings](#)
- [9 Warranty](#)
- [10 Declaration of conformity](#)
- [11 Documents / Resources](#)
 - [11.1 References](#)
- [12 Related Posts](#)



IDea EVO24-M Touring Line Array System



Product Information

Specifications

- Enclosure design: Dual-12 Active Line-Array
- LF Transducers: Not specified
- MF Transducers: Not specified
- HF Transducers: Not specified
- Class D Amp Continuous Power: 6.4 kW
- DSP: Included
- SPL (Continuous/Peak): Not specified
- Frequency Range (-10 dB): Not specified
- Frequency Range (-3 dB): Not specified
- Coverage: Not specified
- Audio Signal Connectors: Input/Output
- AC Connectors: Power Supply
- Power Supply: Universal, regulated switch mode, 100-240 V 50-60 Hz
- Nominal Power Requirements: Not specified
- Current Consumption: 5.4 A @ 220V
- Cabinet Construction: Not specified
- Grille Finish: Not specified

Product Usage Instructions

Installation and Setup

1. Place the EVO24-M line array system at an appropriate height for optimal sound projection.
2. Connect the audio signal cables to the input connectors of the system.
3. Ensure the AC power connectors are securely connected to a power source within the specified voltage range.

Operation

1. Power on the EVO24-M system using the power switch.

2. Adjust the gain and preset settings as needed for the specific event or venue.
3. Monitor the status indicators to ensure proper functioning.

Maintenance and Care

1. Regularly inspect the system for any physical damage.
2. Keep the system clean from dust and debris that may affect performance.
3. Follow any additional maintenance guidelines provided in the user manual.

FAQ

- Q: What should I do if the system does not power on?
A: Check the power connections and ensure the voltage input is within the specified range. If issues persist, contact authorized personnel for assistance.
- Q: Can I connect more than 16 units of EVO24-M?
A: No, the maximum limit for connecting units is 16 as indicated in the technical data.
- Q: How do I adjust the aiming/prediction settings?
A: Utilize the included software for aiming/prediction to optimize the sound projection based on the venue layout.

Overview

EVO24-M is an active large-format touring line array system specifically designed for professional sound reinforcement in big events, large venues or open spaces for audiences from 5000 to 50000, in productions or events operated by rental companies or pro-audio contractors. Powered by 2×3.2 kW Powersoft power modules, EVO24-M features dual-12" Neo LF woofers, 4×6.5" MF woofers in two sealed chambers, and 2×3" Neo compression drivers coupled to a proprietary – design waveguide assembly



Features

- Premium European High Efficiency custom-IDEA Transducers
- Dual 3.2 kW Powersoft Power Module and DSP assembly
- Proprietary High-Q 8-slot dual-driver waveguide assembly
- Multi-enclosure cabinet design
- Rugged 15 mm Birch plywood construction and finish
- 1.5 mm coated steel grille with internal protective foam
- Integrated Precision rigging system with 10 angulation points
- Integrated lateral bars for transport and setup

- Durable Aquarforce paint coating process

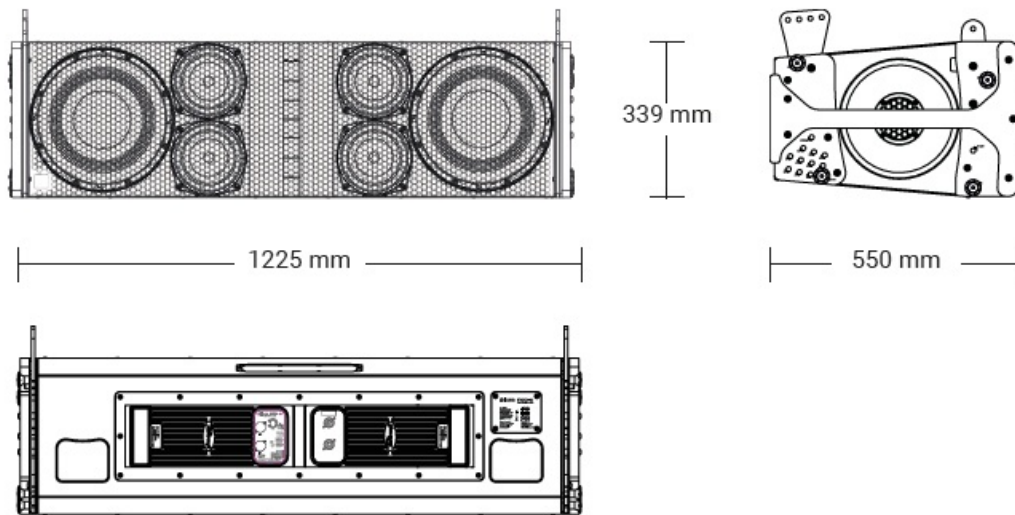
Applications

- Main System for Touring and Rental Companies
- Very High SPL installed sound reinforcement


Technical Data

- Enclosure design 10° Trapezoidal
- LF Transducers 2 × 12" (4" voice coil) Neodymium woofers
- MF Transducers 4 × 6.5" (2.5" voice coil)
- HF Transducers 2 × 3" Neodymium compression drivers
- Class D Amp Continuous Power 2 × 3.2 kW
- DSP 24bit @ 48kHz AD/DA – 4 selectable presets:
 - Preset1: 6 array elements
 - Preset2: 8 array elements
 - Preset3: 12 array elements
 - Preset4: 16 array elements
- Aiming/Prediction Software EASE FOCUS
- SPL (Continuous/Peak) 136 / 142 dB SPL
- Frequency Range (-10 dB) 47 – 23000 Hz
- Frequency Range (-3 dB) 76 – 20000 Hz
- Coverage 90° Horizontal
- Audio Signal Connectors
 - Input XLR
 - Output XLR
- AC Connectors 2 × Neutrik® PowerCON
- Power Supply Universal, regulated switch mode
- Nominal Power Requirements 100 – 240 V 50-60 Hz
- Current Consumption 5.4 A
- 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) 1225 × 339 × 550 mm
- Weight 87.5 kg
- Handles 4 integrated handles
- Accessories
 - Rigging frame (RF-EV24)
 - Transpor Cart (CRT EVO24)
 - Rain cover for 3 x EVO24 (COV-EV24-3)
 - Power module rain cover (RC-EV24, included)

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 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 the Mains connector ground.
- Only use accessories specified by IDEA, complying with maximum load specifications and following local safety regulations.
- Read the specifications and connection instructions before proceeding to connect the system and use only the 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 fields even when 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 regulations for recycling of electronic devices.

- IDEA declines any responsibility for misuse that may result in malfunction or damage of the equipment

Warranty

- All IDEA products are guaranteed against any manufacturing defect for 5 years from the date of purchase for acoustical parts and 2 years from the 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 the authorized service centers.
- 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 center with a copy of the purchase invoice in order to claim guaranteed service or replacement

Declaration of conformity

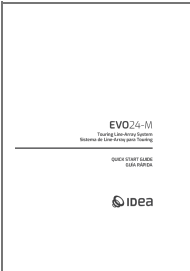
I MAS D Electroacústica S.L. , Pol. A Trabe 19-20 15350 CEDEIRA (Galicia – Spain), declares that EVO24-M complies with the following EU Directives:

- 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 apparatus. Safety requirements.
- EN 55103-1: 1996 Electromagnetic compatibility: Emission
- EN 55103-2: 1996 Electromagnetic compatibility: Immunity

I MÁS D ELECTROACÚSTICA S.L.
Pol. A Trabe 19-20, 15350 – Cedeira, A Coruña (España)
Tel. +34 881 545 135
www.ideaproaudio.com
info@ideaproaudio.com

Specifications and product appearance may be subject to change without notice.
IDEA_EVO24-M_QS-BIL_v4.0 | 4 – 2024

Documents / Resources

	<p>Idea EVO24-M Touring Line Array System [pdf] User Guide EVO24-M Touring Line Array System, EVO24-M, Touring Line Array System, Line Array System , Array System</p>
---	--

References

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

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.