

IDEa EVO20-M Two Way Active Professional Line Array System



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IDEa EVO20-M Two Way Active Professional Line Array System



EVO20-M

2×10" Two-Way Active Professional Line Array System

Overview

EVO20-M professional 2-way active 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.

EVO20-M is an enhanced version of the high-value EVO20 Line Array system that features improved limiter DSP settings, greater directivity control (with added horizontal waveguide flanges and MF passive filter), optimized internal acoustic material treatment and extended LF response.

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



Features

- 1.2 KW Class D Amplifier/DSP Module (by Powersoft)
- Premium European High Efficiency custom IDEA transducers
- Proprietary IDEA High-Q 8-slot line-array waveguide with directivity control flanges
- Dedicated MF passive filter
- 10 Positions Integrated Precision rigging for stacked and flown configurations
- 2 integrated handles
- Rugged and durable 15 mm Birch Plywood construction and finish
- 1.5 mm Aquaforce coated steel grille with internal protective foam
- Durable Aquaforce paint, available in standard textured black or white, optional RAL colors (on demand)
- Dedicated transport /storage/rigging accessories and Flying frame
- Matching subwoofer configurations with BASSO36-A (2×18")
- Matching subwoofer configurations with BASSO21-A (1×21")

Applications

- High SPL A/V portable sound reinforcement
- FOH for medium-sized 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

- **Class D Amp Continuous Power**

1.2 kW

- **DSP**

- 24bit @ 48kHz AD/DA – 4 selectable presets:
- Preset1: 4-6 array elements
- Preset2: 6-8 array elements
- Preset3: 8-12 array elements
- Preset4: 12-16 array elements

- **Aiming/Prediction Software**

EASE FOCUS

- **SPL (Continuous/Peak)**

127/133 dB SPL

- **Frequency Range (-10 dB)**

66 – 20000 Hz

- **Frequency Range (-3 dB)**

88 – 17000 Hz

- **Coverage**

90° Horizontal

- **Audio Signal Connectors**

- **Input**
XLR
- **Output**
XLR

- **AC Connectors**

2 x Neutrik® PowerCON

- **Power Supply**

Universal, regulated switch mode

- **Nominal Power Requirements**

100 – 240 V 50-60 Hz

- **Current Consumption**

1.3 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)**

626 × 278 × 570 mm

- **Weight**

37 kg

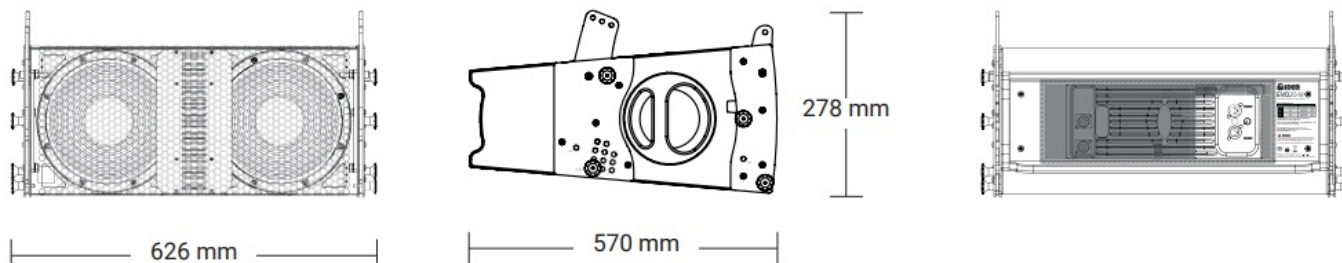
- **Handles**

2 integrated handles

- **Accessories**

- Power module rain cover (RC-EV20,included)
- Rigging frame (RF-EVO20)
- Rigging frame stack (RF-EVO20-STK)
- 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.
- 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.

- 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 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.

declaration of conformity

I MAS D Electroacústica S.L. , Pol. A Trabe 19-20 15350 CEDEIRA (Galicia – Spain), declares that EVO20-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.


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Specifications and product appearance may be subject to change without notice.

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Documents / Resources

	<p>IDea EVO20-M Two Way Active Professional Line Array System [pdf] Instruction Manual EVO20-M Two Way Active Professional Line Array System, EVO20-M, Two Way Active Professional Line Array System, Professional Line Array System, Line Array System, Array System</p>
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References

- [User Manual](#)

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

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