



IDea EXO15-A 15 Inch Multipurpose Monitor User Guide

[Home](#) » [iDea](#) » **IDea EXO15-A 15 Inch Multipurpose Monitor User Guide** 

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Contents

- [1 Overview](#)
- [2 Features](#)
- [3 Applications](#)
- [4 Technical Data](#)
- [5 Technical Drawings](#)
- [6 Warnings On Safety Guidelines](#)
- [7 Warranty](#)
- [8 Declaration of Conformity](#)
- [9 Customer Support](#)
- [10 Documents / Resources](#)
 - [10.1 References](#)
- [11 Related Posts](#)

Overview

EXO15-A is a versatile, high-performance full range 2-way active wedged monitor conceived for professional environments where portable sound reinforcement is required, delivering a superior audio reproduction in a very compact, multipurpose format.

EXO15-A integrates a Class-D 1,2 kW power module and 24-bit DSP with 4 selectable presets. This high efficiency, low consumption power module features PFC (Power Factor Correction) for worldwide operation and error proof connection to mains voltage. The rear panel features a rotary gain control, balanced audio input and output XLR and PowerCON connections, led activity indicators and a select pushbutton to toggle between the 4 preloaded presets.

EXO15-A HF assembly couples a 3" compression driver into common

EXO Series birch plywood axisymmetric horn with **IDEA's** proprietary design, summing up into a superior audio playback along the whole usable frequency range.

EXO15-A is built with 15 and 18 mm birch plywood, **IDEA's** Aquaforce waterproof paint coating and a high quality steel grille, creating a rugged, durable and stylish loudspeaker. The 60° wedged cabinet allows not only to be used as FOH main system in small venues, bars and AV applications and as a stage monitor but to seamlessly fit into any wall mount fixed installation.

EXO15-A integrates a bottom Pole Mount 36 mm socket to be configured on **BASSO** Series subwoofers for portable sound reinforcement and medium performance venues and clubs. The dedicated U-bracket and threaded M8 and M6 inserts allow for all vertical and horizontal U-bracket positions both for wall and ceiling fixed installations as well as to be precisely oriented in pole mounted configurations.



Features

- 1.2 kW Class-D Power Module
- Integrated 24-bit 48kHz DSP with 4 selectable presets
- Standard compact multipurpose wedged monitor (60°) design
- Premium European High Efficiency custom IDEA transducers
- Large IDEA proprietary axisymmetric coherent spherical wave-front HF assembly
- Neutrik® PowerCON and XLR connectors
- Rugged and durable 15/18 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
- 2 integrated handles
- 36 mm Pole mount cup and dedicated installation and rigging accessories (optional)

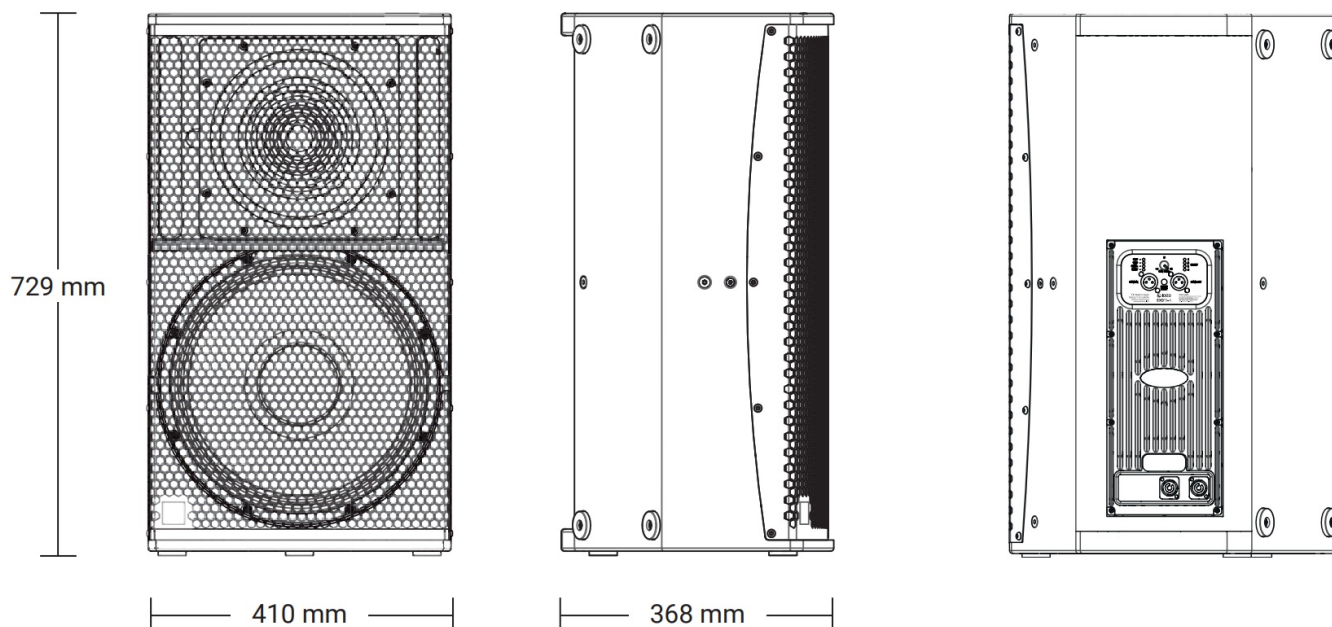
Applications

- High SPL A/V portable sound reinforcement
- FOH for rehearsal rooms, medium performance venues and clubs
- FOH and Stage monitors for Regional Touring and Rental Companies
- Stage monitors, Side-fills, Front-fills or In-fills for Touring-Sound





Technical Data

Enclosure design	Wedged
LF Transducers	1 × 15" High performance woofer
HF Transducers	3" Voice coil Compression Driver
Class D Amp Continuous Power	1.2 kW
DSP	24bit @ 48kHz AD/DA – 4 selectable presets: Preset 1 – Flat Preset 2 – HF Boost Preset 3 – Loudness Preset 4 – Vocal
SPL (Continuous/Peak)	127/133 dB SPL
Frequency Range (-10 dB)	72 – 23000 Hz
Frequency Range (-3 dB)	96 – 21000 Hz
Coverage	80° Axisymmetric
Dimensions (WxHxD)	410 × 729 × 368 mm
Weight	29.2 kg
Audio Connectors	2 × Neutrik XLR I/O
AC Connectors	2 × Neutrik powerCON® I/O
Cabinet Construction	15 + 18 mm Birch Plywood
Grille	1.5 mm perforated weatherized steel with protective foam
Finish	Durable IDEA proprietary Aqua force High Resistance paint coating process
Handles	2 integrated handles
Feet/Skates	4+3 Rubber feet
Installation	Threaded M8 and M6 inserts. Bottom 36 mm pole mount socket
Accessories	U-Bracket vertical (UB-E15-V) U-Bracket horizontal (UB-E15-H) Pole (K&M-21336)

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 EXO15-A 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



Customer Support

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EXO15-A

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References

- [User Manual](#)

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