

# EX012-A



## 2-way Active Multipurpose Monitor

### FEATURES

- Standard compact multipurpose wedged monitor (55°) design with four integrated handles
- 1,2 kW Class-D Power Module (@ 4Ω)
- Integrated 24-bit 48kHz DSP with 4 selectable presets
- Premium European High Efficiency custom IDEA Transducers and passive crossover board
- IDEA proprietary axisymmetric coherent spherical wave-front HF assembly
- Dual Neutrik NL4 connectors
- Durable Aquaforce paint, available in standard textured black or white.
- Optional RAL colors (on demand)
- Rugged and durable 15/18 mm birch plywood construction and finish
- 1.5 mm Aquaforce coated steel grille with internal protective foam
- 36 mm Pole mount cup and dedicated installation and rigging accessories



### 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



### OVERVIEW

**EX012-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.

**EX012-A** integrates a Class-D 1,2 kW (@ 4Ω) 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.

**EX012-A** HF assembly couples a 3" compression driver into common **EXO** Series birch plywood axisymmetric horn with IDEA's proprietary design and a premium European, dedicated-design passive crossover filter provides a smooth, natural transition into the MLF 12" woofer and summing up into a full-range superior audio playback along the whole usable frequency range from 20 kHz down to 55 Hz.

Like all IDEA models, **EX012-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.

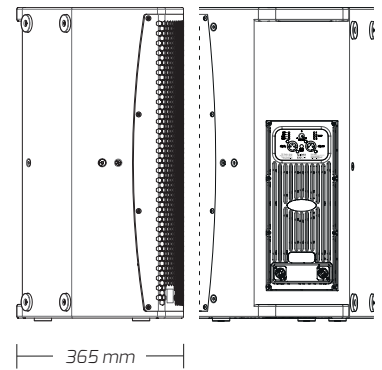
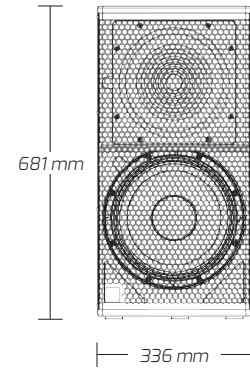
The 60° wedged cabinet allows not only to be used as FOH main system in small venues, bars and AV applications and as a stage monitor but to seamlessly fit into any wall mount fixed installation.

**EX012-A** integrates a bottom Pole Mount 35 mm socket to be configured on **BASSO** Series subwoofers for portable sound reinforcement and medium performance venues and clubs. The dedicated U-bracket and ten threaded M8 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.



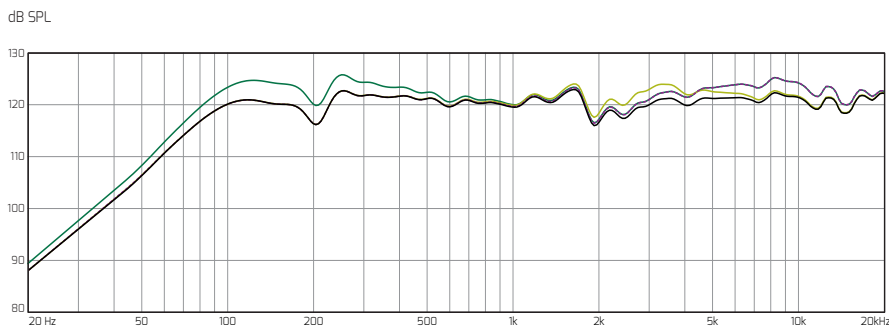
## TECHNICAL DATA

<b>Enclosure design</b>	Wedged cabinet · Bass-Reflex
<b>LF Transducer</b>	12" High performance woofer
<b>HF Transducer</b>	3" Voice coil Compression Driver (1.4 Exit, 120 mm magnet)
<b>Class D Amp Continuous Power</b>	1 200 W
<b>DSP</b>	24bit @ 48kHz AD/DA - 4 selectable presets Preset 1 - Flat Preset 2 - HF Boost Preset 3 - Loudness Preset 4 - Vocal
<b>SPL (Continuous/Peak)</b>	122/128 dB SPL
<b>Frequency Range (-10 dB)</b>	60 - 23000 Hz
<b>Frequency Range (-3 dB)</b>	87 - 21000 Hz
<b>Coverage</b>	80° Axisymmetric
<b>Dimensions (WxHxD)</b>	336 x 681 x 361 mm (13,2 x 26,8 x 14,2 inch)
<b>Weight</b>	25,5 kg (56,2 lbs)
<b>Audio Signal Connectors</b>	
<b>Input</b>	XLR
<b>Output</b>	XLR
<b>AC Connectors</b>	2 x Neutrik powerCON® I/O
<b>Cabinet Construction</b>	15 + 18 mm Birch Plywood
<b>Grille</b>	1.5 mm perforated weatherised steel with protective foam
<b>Finish</b>	Durable IDEA proprietary High Resistance paint coating process
<b>Handles</b>	2 integrated handles
<b>Feet/Skates</b>	4 + 3 Rubber feet
<b>Installation</b>	10 threaded M8 inserts. Bottom 36 mm pole mount socket
<b>Accessories</b>	U-Bracket (UB-E12-V) Wall-Mount Accessory (WM-01) 35 mm Pole (K&M-21338) 35 mm Tripod (K&M-21302)



## ACOUSTICAL MEASUREMENTS

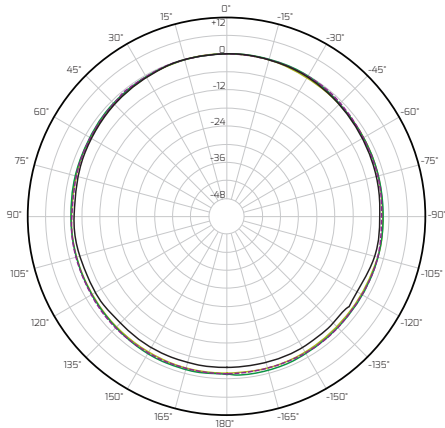
### FREQUENCY RESPONSE



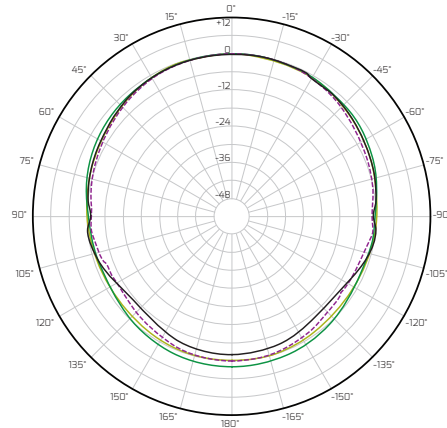
This graph shows the frequency response for a 1-watt swept sine signal in an anechoic environment (4π), measured at 3m and scaled down at 1m.

In order to provide more precise information for acoustical analysis, a 1/12 octave smoothing has been applied.

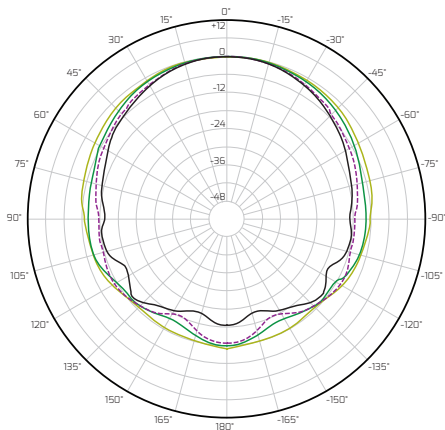
# HORIZONTAL 1/3 OCTAVE POLARS



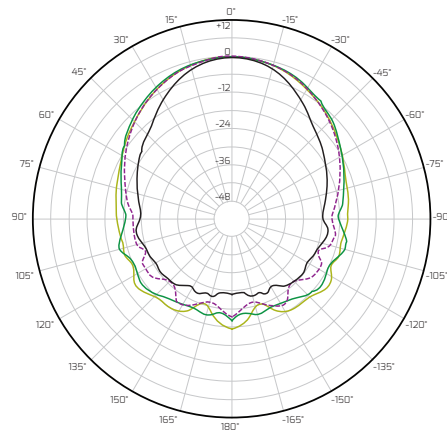
- 80 Hz
- 100 Hz
- - - 125 Hz
- 160 Hz



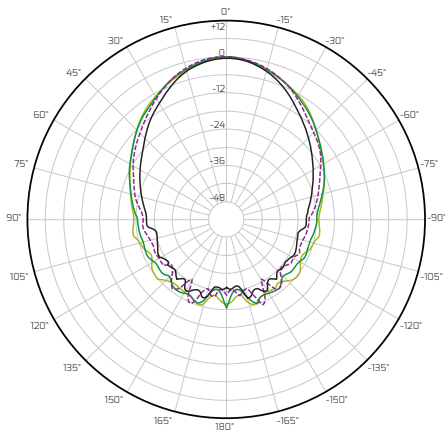
- 200 Hz
- 250 Hz
- - - 315 Hz
- 400 Hz



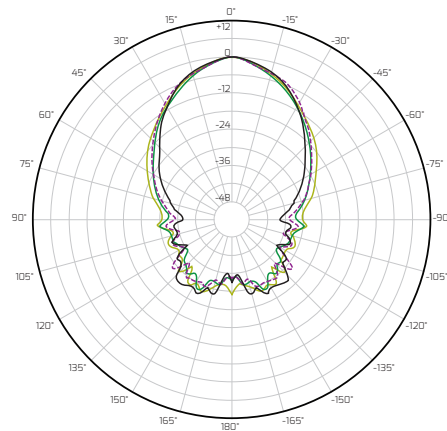
- 500 Hz
- 630 Hz
- - - 800 Hz
- 1000 Hz



- 1.25 kHz
- 1.6 kHz
- - - 2 kHz
- 2.5 kHz



- 3.15 kHz
- 4 kHz
- - - 5 kHz
- 6.3 kHz



- 8 kHz
- 10 kHz
- - - 12.5 kHz
- 16 kHz

VERTICAL 1/3 OCTAVE POLARS

