

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.

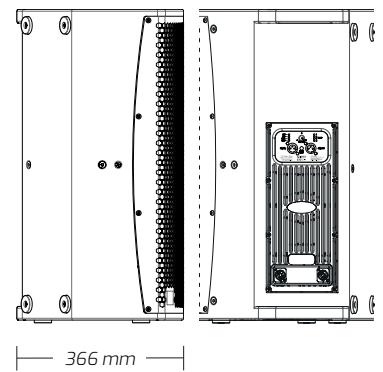
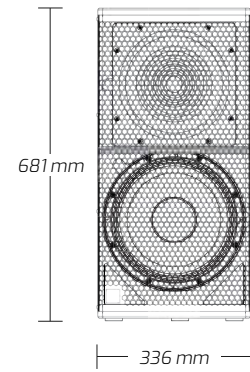
The 60° wedged cabinet allows not only to be used as FOH main system in small venues, bars and AV applications and as a stage monitor but to seamlessly fit into any wall mount fixed installation.

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.



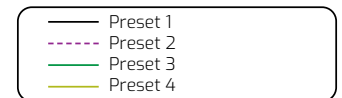
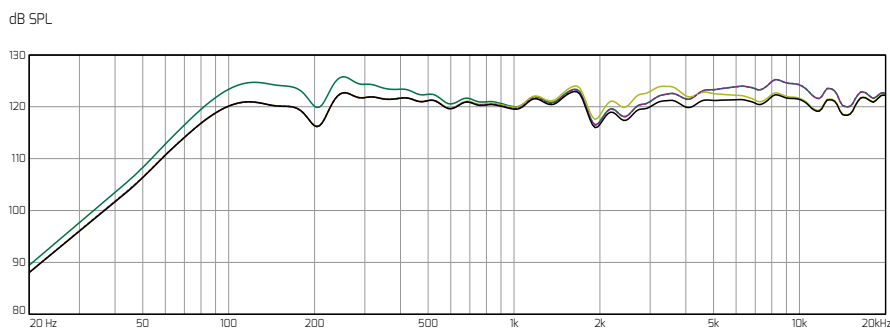
TECHNICAL DATA

Enclosure design	Wedged
LF Transducer	1 x 12" High performance woofer
HF Transducer	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)	122/128 dB SPL
Frequency Range (-10 dB)	60 - 23000 Hz
Frequency Range (-3 dB)	87 - 21000 Hz
Coverage	80° Axisymmetric
Dimensions (WxHxD)	336 x 681 x 366 mm (13.2 x 26.8 x 14.4 in)
Weight	25.5 kg (56.2 lb)
Audio Connectors	2 x Neutrik XLR I/O
AC Connectors	2 x Neutrik powerCON® I/O
Cabinet Construction	15 + 18 mm Birch Plywood
Grille	1.5 mm perforated weatherised steel with protective foam
Finish	Durable IDEA proprietary High Resistance paint coating process
Handles	2 integrated handles
Feet/Skates	4 + 3 Rubber feet
Installation	10 threaded M8 inserts. Bottom 36 mm pole mount socket
Accessories	U-Bracket vertical (UB-E12-V) U-Bracket horizontal (UB-E12-H) Pole (K&M-21336)



ACOUSTICAL MEASUREMENTS

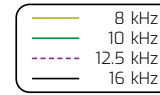
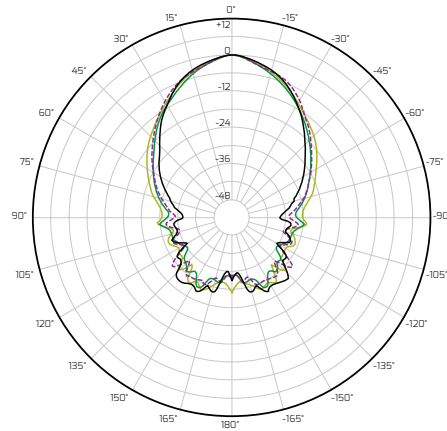
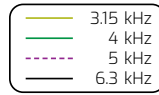
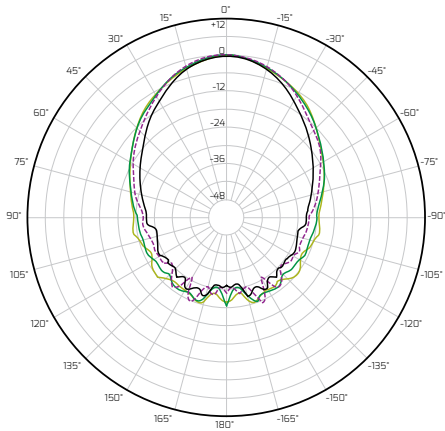
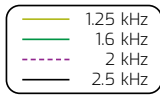
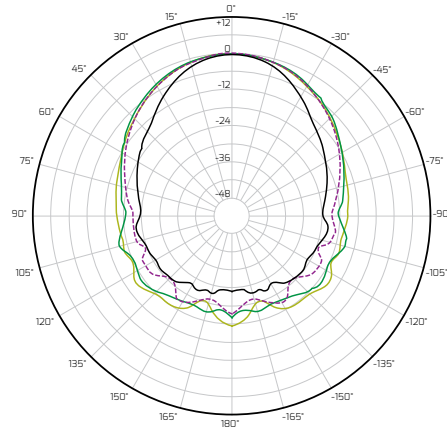
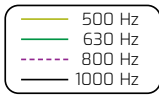
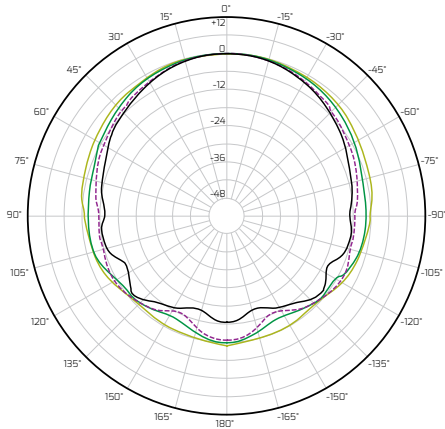
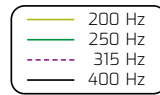
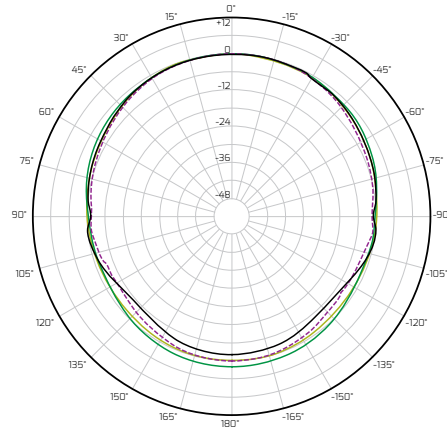
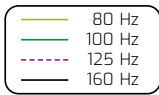
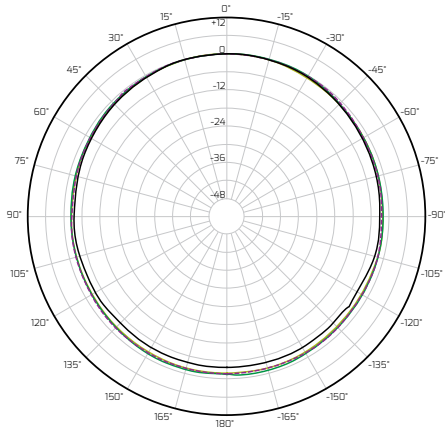
FREQUENCY RESPONSE



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 1 m.

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

HORIZONTAL 1/3 OCTAVE POLARS



VERTICAL 1/3 OCTAVE POLARS

