EVO88-P

2-Way Compact Passive Line-Array system

FEATURES

- 2-Way Dual 8" Ported Compact Line-Array element
- Active 1.2 kW version can power another **EVO**88-P passive element
- Premium European High Efficiency custom IDEA Transducers (by Beyma)
- Proprietary IDEA High-Q 6-slot line-array waveguide
- Dedicated transport /storage/rigging accessories and flying frame
- Matching subwoofer for stacked and flown setups

APPLICATIONS

- High SPL A/V portable sound reinforcement
- FOH for small to medium size performance venues and clubs
- Ultra-compact High SPL installed sound reinforcement

OVERVIEW

EVO88-P is a multipurpose line-array system that can serve as a portable or installed FOH solution for medium to large venues and as ancillary side/down fill for lager PA systems, with a coherent, natural sound within the coverage area and superior power delivery in its category

EVO88-P is a passive line-array element with a sophisticated passive crossover to provide a smooth, linear response throughout the useful frequency range that can be as a completely passive high performance line array system, of which a 16 element array can be powered by a single high power 2 channel amplifier (>2 Ohm nominal), for maximum cost/performance value. Alternatively, **EVO**88-P can be integrated with the active version **EVO**88-M resulting in a self-powered system where one active element can power another passive element (see **EVO**88-M for further configuration details).

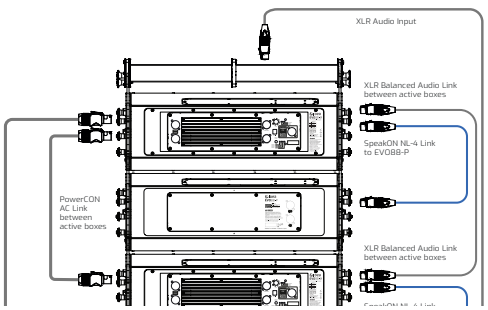
The HF assembly mounts a 3" compression driver and an IDEA proprietary Hi-Q waveguide allowing for minimum vertical gap between array elements providing optimum element coupling and reducing artifacts and DSP adjustments while providing optimum directivity control. For LMF section, **EVO**88-P mounts dual very high-performance 8" woofers.

Self-Powered solutions with EVO88-M

The active **EVO**88-M features a 1.2 kW Class-D amp and DSP power module by Powersoft so one **EVO**88-M element can power another **EVO**88-P in active system, as shown in the diagram below, with the dedicated SpeakON NL-4 cable links included with every **EVO**88-M

Depending on the scale of the application, a medium-sized **EVO**88-M system can be easily split into smaller clusters for mobile and portable solutions.

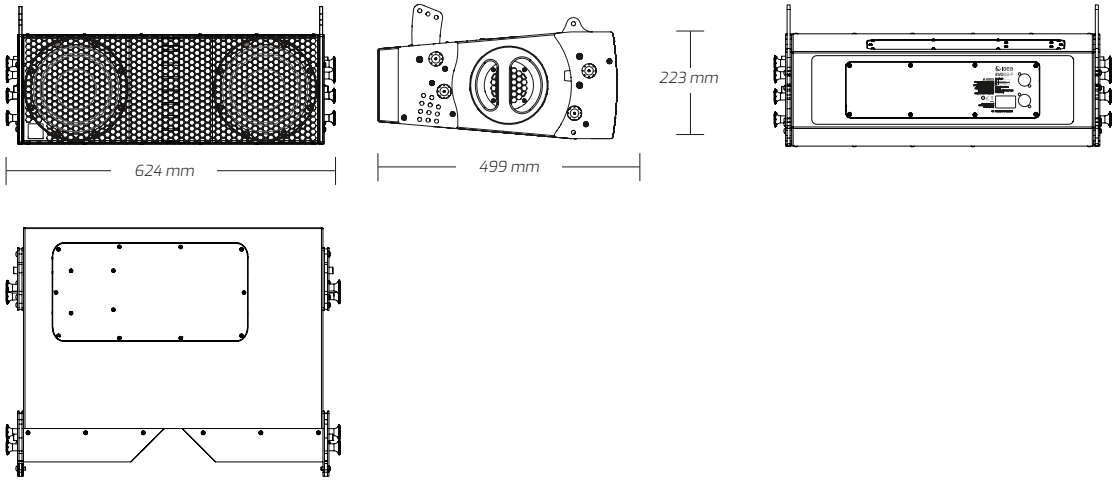
Passive systems can be configured as factory ready with turn-key solutions for **TEO**d8 driven amps as well as top-tier third-party platforms (see www.ideaproaudio.com/evo88-p for preset availability).



TECHNICAL DATA

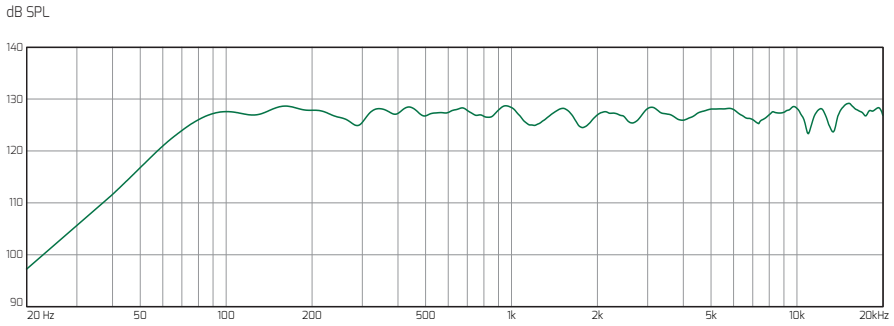
Enclosure design	10° Trapezoidal
LF Transducers	2 × 8" High performance woofers
HF Transducers	3" Voice coil Compression Driver
Power Handling (RMS)	500 W
Nominal Impedance	16 Ohm
SPL (Continuous/Peak)	130/136 dB SPL
Frequency Range (-10 dB)	50 - 23000 Hz
Frequency Range (-3 dB)	72 - 21000 Hz
Aiming/Prediction Software	EASE FOCUS
Coverage	90° Horizontal
Connectors **+/-1** **+/-2**	2 x Neutrik speakON® NL-4 in parallel Input Link
Cabinet Construction	15/18 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 (WxHxD)	624 x 223 x 499 mm (24.6 x 8.8 x 19.6 in)
Weight	34.4 kg (75.8 lb)
Handles	2 integrated handles
Accessories	Rigging frame (RF 600) Rigging frame stack (RF 600 STK) Transport cart (CRT EVO88) Rain cover for 4 x EVO88 (COV-EV88-4)

TECHNICAL DRAWINGS



Acoustical Measurements

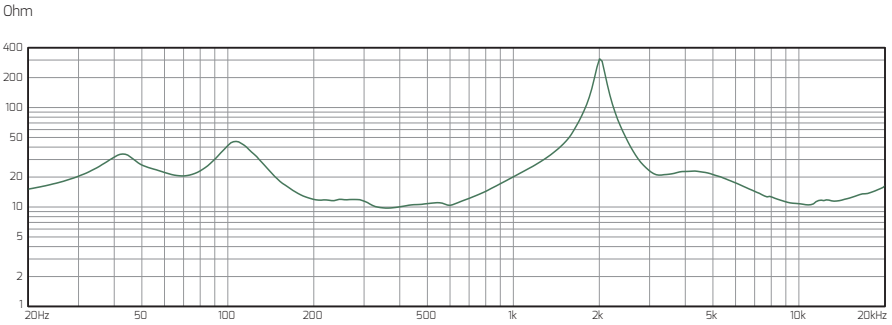
Frequency Response



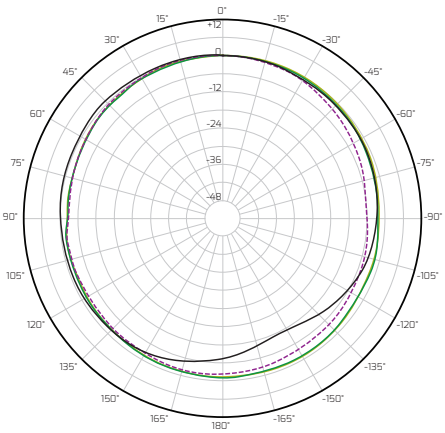
The above graph shows the frequency response for a 1-watt swept sine signal in an semi-anechoic environement (4π), measured at 3 m and scaled down at 1 m.

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

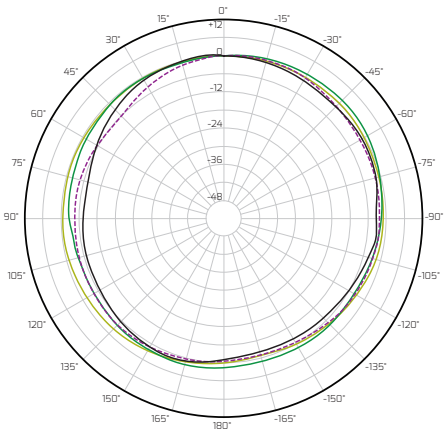
Impedance



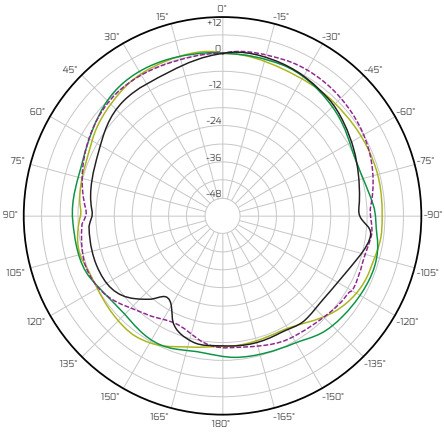
HORIZONTAL 1/3 Octave POLARS



80 Hz
100 Hz
125 Hz
160 Hz



200 Hz
250 Hz
315 Hz
400 Hz



500 Hz
630 Hz
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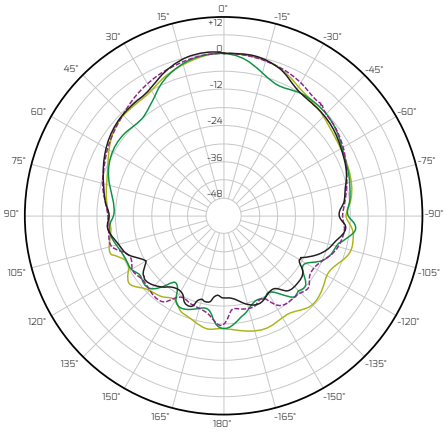
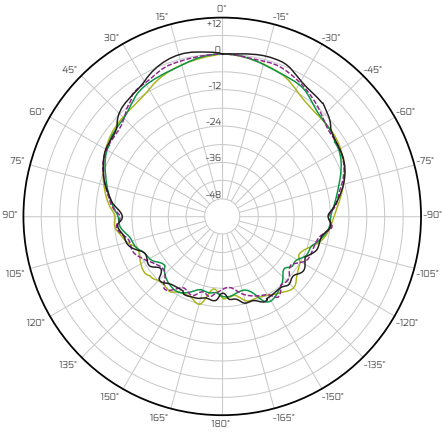
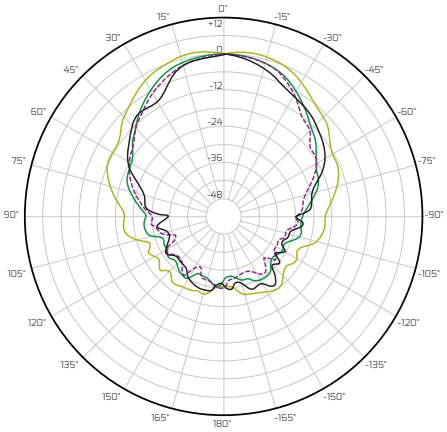
1000 Hz



1.25 kHz
1.6 kHz
2 kHz
2.5 kHz

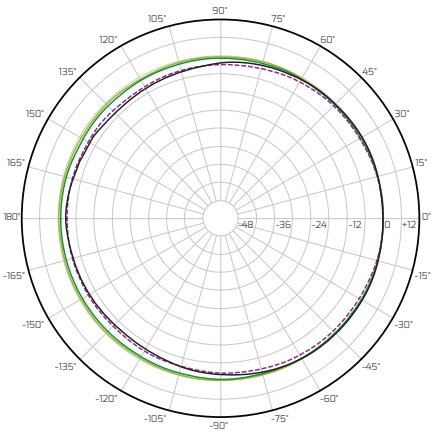


3.15 kHz
4 kHz
5 kHz
6.3 kHz



8 kHz
10 kHz
12.5 kHz
16 kHz

VERTICAL 1/3 Octave POLARS



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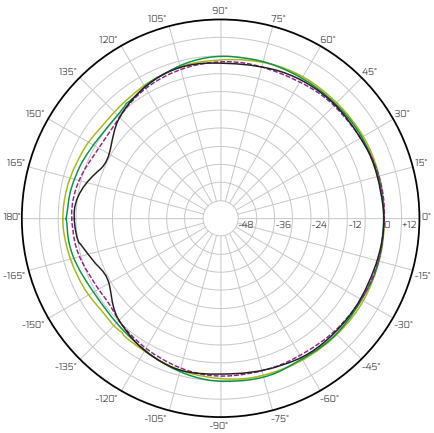
160 Hz



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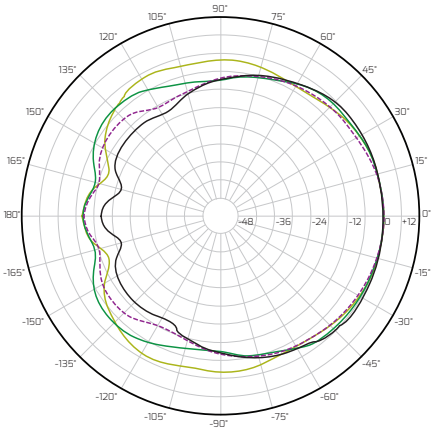

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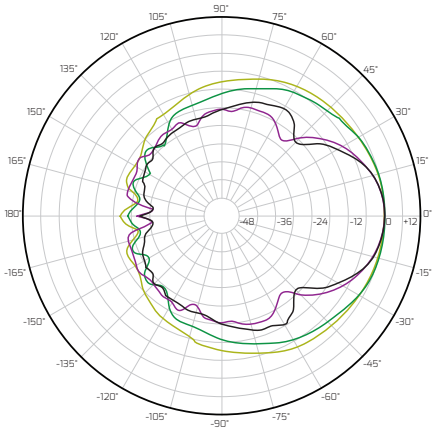

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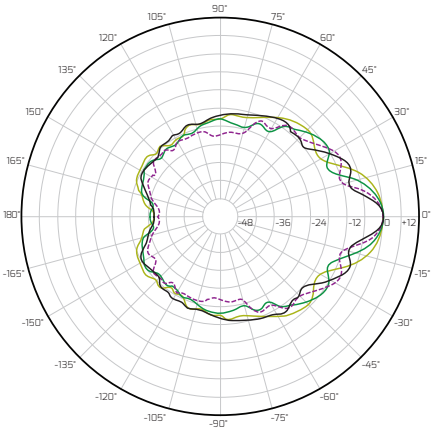

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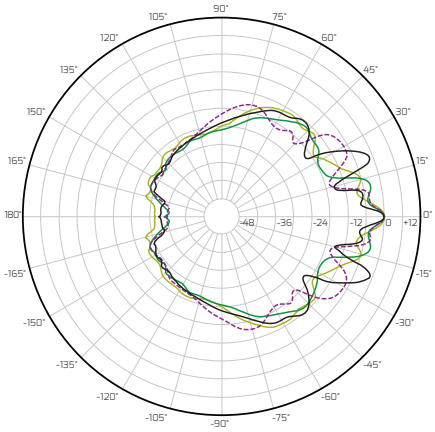

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12.5 kHz
16 kHz

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