

2-Way Passive Installation Loudspeaker

FEATURES

- Full range bandwidth, with linear response from 55 Hz
- Exclusive Curved wood design with integrated handles
- Premium European custom IDEA Transducers and passive crossover boards
- IDEA proprietary axisymmetric coherent spherical wave-front HF assembly
- 8 Ohm Passive
- Dual Neutrik NL4 connectors
- Rugged and durable 15 mm birch plywood construction and finish
- Weatherised Aquaforce paint, available in standard textured black or white
- Optional RAL colours (on demand)
- 1.5 mm Aquaforce coated steel grille with internal protective foam
- 36 mm Pole mount cup and dedicated installation and rigging accessories



APPLICATIONS

- A/V portable and installed sound reinforcement
- Mobile entertainers and voice reinforcement
- FG/BG music reproduction in distributed audio installed solutions
- Commercial and High Power Domestic applications

OVERVIEW

LUA10 is a high resolution compact monitor with unique design ideal for high quality music playback in AV portable systems and distributed audio installed solutions.

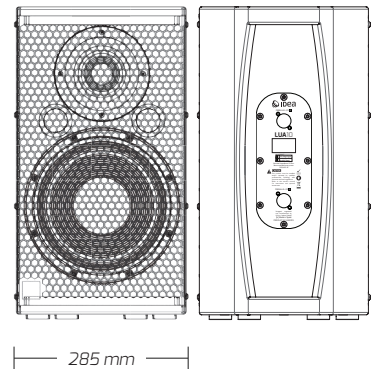
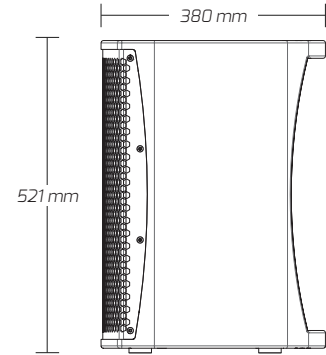
Featuring premium European high-efficiency transducers, **LUA10** HF assembly integrates a 1,75" compression driver coupled with IDEA's proprietary Vertical-Horizontal symmetrical wide coverage horn and the LF section features a 10" woofer with two frontal firing ports that deliver full-range audio playback (capable of extending LF frequency response down to 50 Hz) out of this rugged and durable 15 mm birch plywood cabinet with the exclusive design finish.

The excellent power-to size ratio of **LUA10** makes it the perfect choice for installed sound providing high quality coverage out of a stylish design cabinet and its enduring finish makes it a perfect solution for permanent installations, A/V and mobile applications. Both as full-range close-field FGM or BGM in open spaces or medium to large rooms, **LUA10** provides sufficient LF response without subwoofer reinforcement adding optimized price-cost-performance values.



TECHNICAL DATA

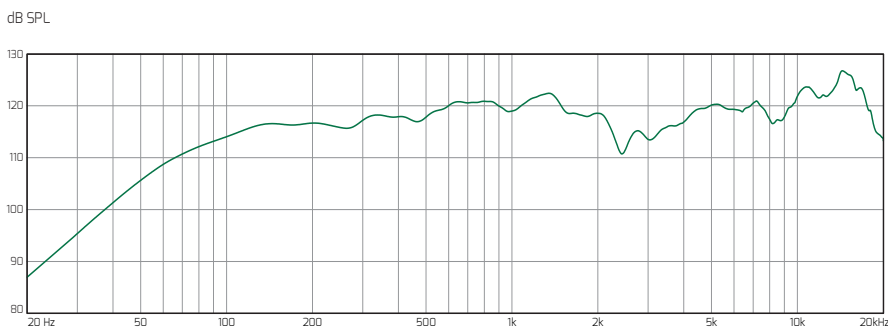
Enclosure design	Curved Cabinet - Bass-Reflex
LF Transducers	1 x 10" Woofer
HF Transducers	1.75" (1/4 Exit, 120 mm magnet)
RMS Power Handling *	200 W
Nominal Impedance	8 Ohm
SPL (Continuous/Peak)	119/125 dB SPL
Frequency Range (-10 dB)	50 - 23000 Hz
Frequency Range (-3 dB)	95 - 20000 Hz
Coverage	80° Axisymmetric
Dimensions (WxHxD)	285 x 521 x 380 mm (11.2 x 20.5 x 15 inch)
Weight	17.2 kg (37.9 lbs)
Connectors	2 x Neutrik speakON® NL-4 in parallel
+/-1	Input
+/-2	Link
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
Handles	2 integrated handles
Feet/skates	4 Rubber feet
Installation	6 threaded M8 inserts Bottom 36 mm pole mount socket
Accessories	Wall mount accessory (WM) 35 mm Pole (K&M-21338) 35 mm Tripod (K&M-21302)



* IEC filtered pink noise with a 6dB crest factor, 2 hours

ACOUSTICAL MEASUREMENTS

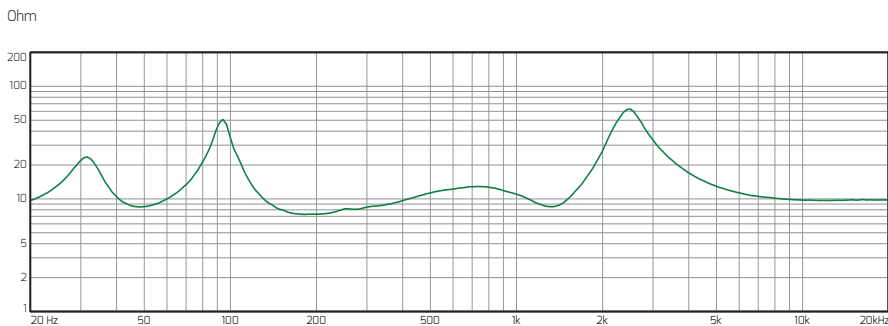
FREQUENCY RESPONSE



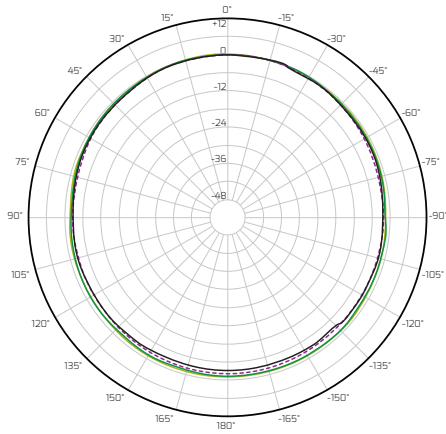
This graph shows the frequency response for a 1-watt swept sine signal in an anechoic environment (4pi), measured at 3 m and scaled down at 1 m.

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

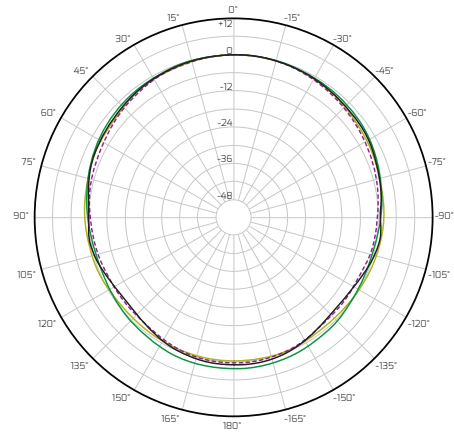
IMPEDANCE



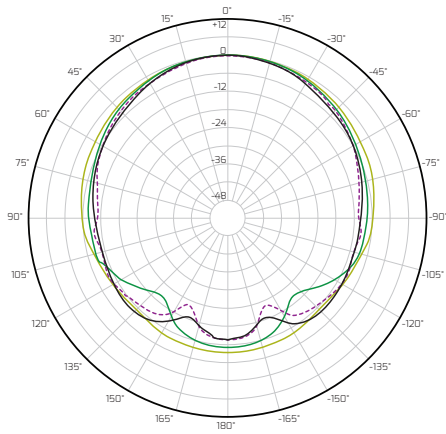
HORIZONTAL 1/3 OCTAVE POLARS



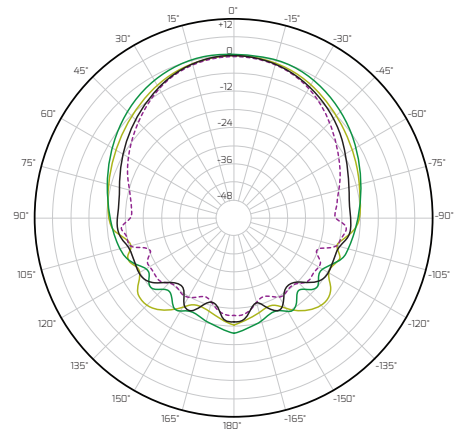
- 80 Hz
- 100 Hz
- - - 125 Hz
- 160 Hz



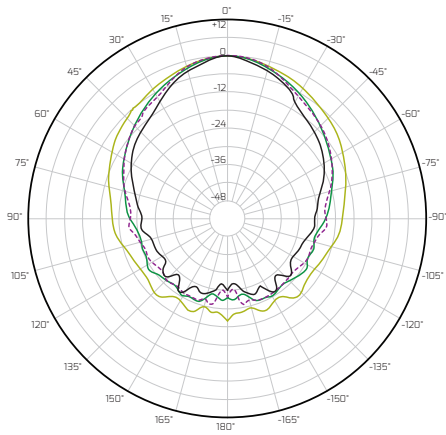
- 200 Hz
- 250 Hz
- - - 315 Hz
- 400 Hz



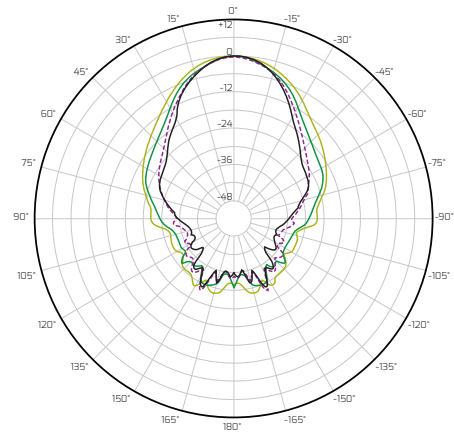
- 500 Hz
- 630 Hz
- - - 800 Hz
- 1000 Hz



- 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

