

LUA10i



10" Fixed-Installation Speaker

FEATURES

- Compact form-factor
- Premium European high-efficiency custom IDEA transducers
- Dedicated passive filter
- 8 Ohm Passive
- Dual Neutrik NL-4 connectors
- Rugged 15 mm birch plywood construction and finish
- Durable Aquaforce paint, available in standard textured black or white
- Optional RAL colors on demand



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

LUA10i is, out of the box, a true power-density delight, providing unexpectedly deep LF response with no additional adjustments or DSP processing required. LUA10i features a variety of options for wall-mount configurations with dedicated installation accessories, as well as a pole mount for AV portable applications. LUA10i clearly represents a boost on the qualities of LUA10 and greater (almost doubled) output power packaged into a trapezoidal enclosure.

Featuring premium European high-efficiency transducers, LUA10i HF assembly integrates a 1,75" compression driver coupled with a asymmetrical (80°V/60°H) horn and the LF section features a 400 W AES 10" woofer with a front firing port. A dedicated, specially designed passive crossover maximizes the electroacoustic performance of the transducers and delivers a balanced, coherent response from 50 Hz with an optimum full-range audio reproduction with no additional processing.

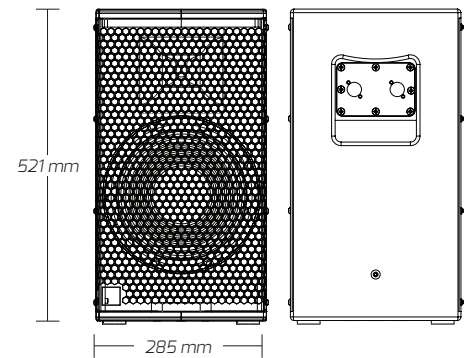
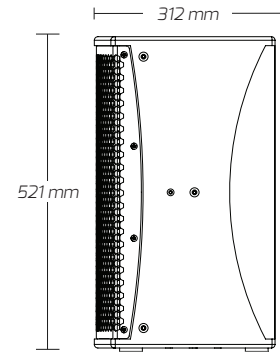
The NL-4 connectors rear panel is housed within the handle space, protecting the connexions and allowing for installing the loudspeaker closer to the walls.

The excellent power-to size ratio, the high-quality audio reproduction and the stylish design cabinet with 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, LUA10i provides sufficient LF response without subwoofer reinforcement adding optimized performance-to-investment value.



TECHNICAL DATA

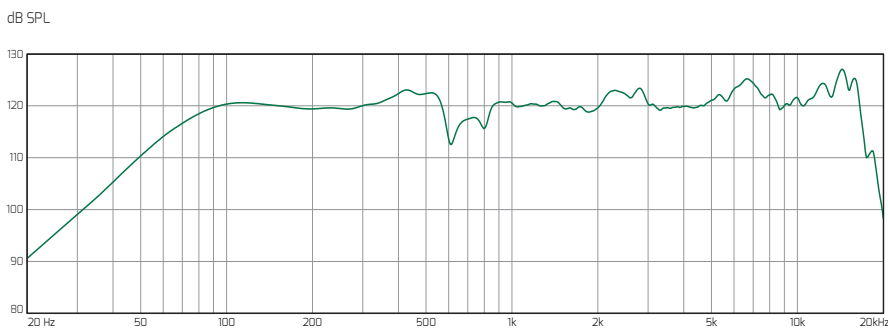
Enclosure design	Trapezoidal · Bass-Reflex
HF Transducer	1 x 10" Woofer
LF Transducer	1 x 1.75" / 1" Exti Compression Driver
RMS Power Handling *	400 W
Nominal Impedance	8 Ohm
SPL (Continuous/Peak)	125/131 dB SPL
Frequency Range (-10 dB)	50 - 18000 Hz
Frequency Range (-3 dB)	75 - 17000 Hz
Coverage	80° x 60°
Dimensions (WxHxD)	285 x 512 x 312 mm (11.2 x 20.2 x 12.3 inch)
Weight	14 kg (30.9 lbs)
Connectors	2 x Neutrik speakON® NL-4 in parallel
+/- 1	Full-Range Signal
+/- 2	parallel Signal
Cabinet Construction	15 mm Plywood
Grille	1.5 mm perforated weatherised steel with protective foam
Finish	Durable IDEA proprietary Aquaforce high-resistance paint coating process
Handles	1 integrated rear handle
Installation	4 Rubber feet 10 x threaded M8 inserts
Accessories	Vertical U-Bracket (UB-L10i-V) Horizontal U-Bracket (UB-L10i-H) 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

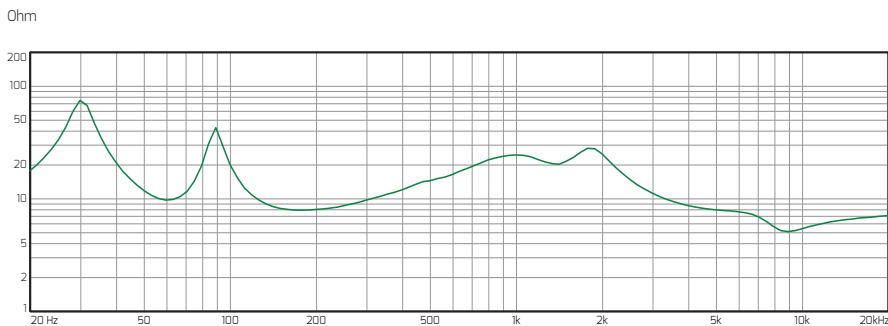
FREQUENCY RESPONSE



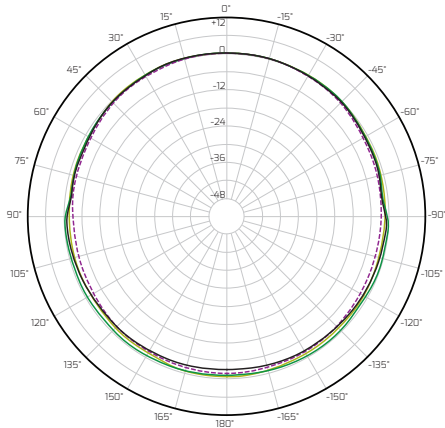
This graph shows the frequency response for a 1-watt swept sine signal in an anechoic environment (4pi), measured at 3 m and scaled down at 1 m.

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

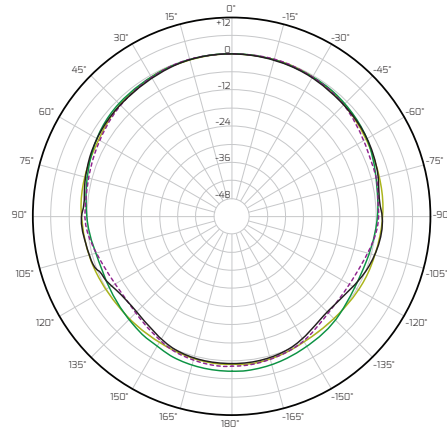
IMPEDANCE



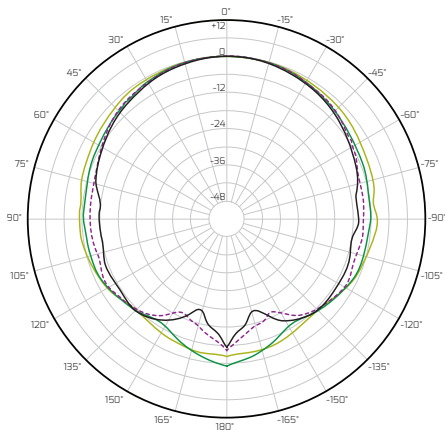
HORIZONTAL 1/3 OCTAVE POLARS



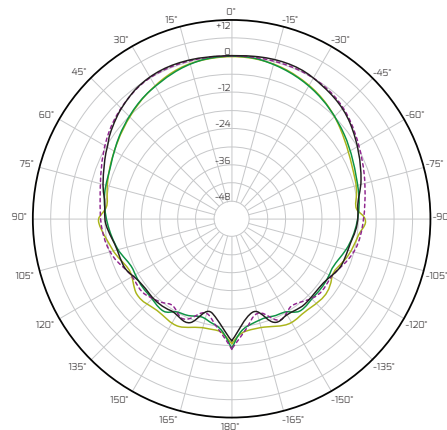
- 80 Hz
- 100 Hz
- - - 125 Hz
- 160 Hz



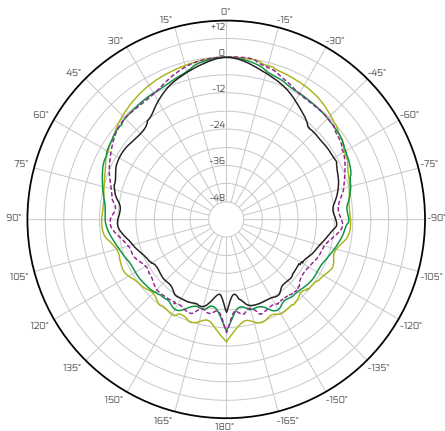
- 200 Hz
- 250 Hz
- - - 315 Hz
- 400 Hz



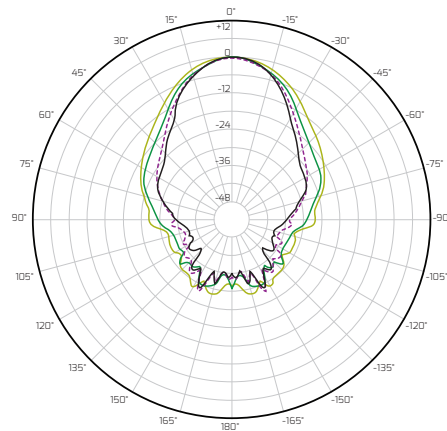
- 500 Hz
- 630 Hz
- - - 800 Hz
- 1000 Hz



- 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

