

## HD-LEDA Datasheet



LED A is a 600 W, 45 Hz capable, folded horn subwoofer. Designed for large venues and outdoor events, Leda can be combined with HD-MH or TRS horn clusters allowing for flexible setups and cabinet choice.

Large ground stack clusters can be created, extending the horn aperture enhancing the speed and punch of a large horn whilst delivering long-throw dynamics and attaining the lowest frequencies. Leda's folded horn design couples unmatched clarity and ultra-low distortion in a compact package, giving a new experience in low frequency reproduction.

Each cabinet has a dual 12" driver assembly coupled to a folded horn with a length of 2.7 metres. This is condensed into an enclosure of less than a cubic metre, giving this compact horn an incredible 141 dB SPL per cabinet with low frequency response down to 45 Hz. Designed to be used in multiples of 4, creating a horn aperture of 10 m<sup>2</sup>. This achieves long throw characteristics, fast response times with punchy bass.

The robust enclosure has an exposed horn design, hardwearing paint finish and two bar handles on each side. Integrated rubber feet are located on underside of the enclosure for securing in multiple ground stack positions. Cups are countersunk into the top of the enclosure to lock in additional Leda.

The rear connection plate has two 4 pin speakON® connectors fitted as standard, one input and one link. The speakON® connectors are wired on pins +1-1, with pass through of pins +2-2.

**Key Features:**

- Dual driver folded horn for extended dynamics and clarity
- Dual 12" subwoofer
- low frequency 45 Hz
- 141 dB SPL
- Ideal for club sound and large outdoor events
- Exposed horn design

# Technical Specifications

## Design

2 x 12" Subwoofer Cabinet, folded horn.

## Impedance

8 Ohm, minimum 7 @ 55 Hz

## Power Handling (AES)

600 Watts (continuous)

## Max. Power Handling (AES)

1200 Watts (program)

2400 Watts (peak 10 ms)

## Sensitivity 2.83V / 1m

107.5 dB

## Max. SPL

135 dB cont

141 dB peak

## Frequency Response (±3 dB)

45 Hz - 350 Hz

## Usable Frequency Range (-10 dB)

40 Hz - 400 Hz

## Dispersion

Omni

## SYSTEM OPERATION

### Recommended Amplification

600 - 1200 Watts

### System Controller

Ohm DSP Solutions

### Speaker Cables

Min - 2 x 4 mm<sup>2</sup>

Preferred - 2 x 6 mm<sup>2</sup>

## PRODUCT FEATURES

### Components

2 x 12" Long Excursion Horn Driver

### Crossover

Passive - -

Active - \*      LPF - 120 Hz  
                         HPF - 38 Hz

## Connectors

2 x 4 pole speakON® connectors

## Dimensions (H x W x D mm)

686 x 956 x 746

## Weight (kg)

80

## Shipping Weight (kg)

82 (1 cabinet per carton)

## Colour

Black

## Options

Available in white or RAL colours on request

## Rigging

Foot and cup stacking system

## HARDWARE

### Fitted as Standard

Foot and cup stacking System, castor wheels, large bar handle.

### Optional

-

### Additional Descriptive Data

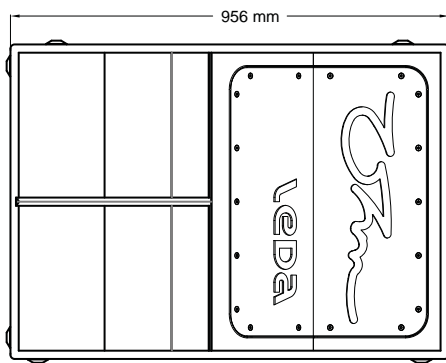
Birch plywood construction, with durable scratch resistant black polyurea textured paint finish.

**Recommended filter settings are available on the website [ohm.co.uk/downloads](http://ohm.co.uk/downloads)**

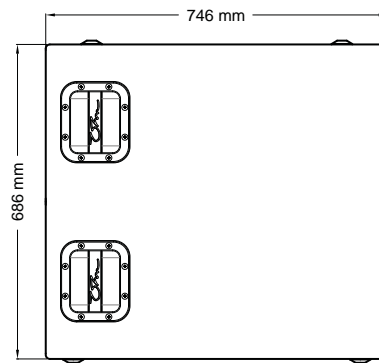
\* All presets from the OHM library.

## LEDA Dimensions

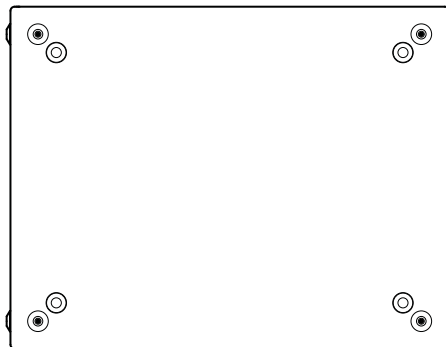
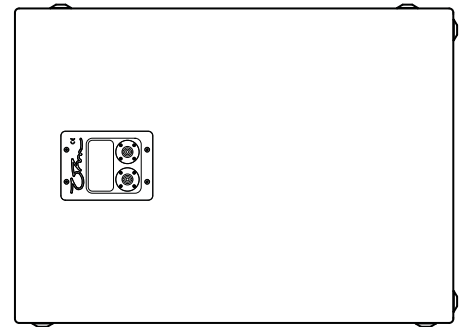
Front



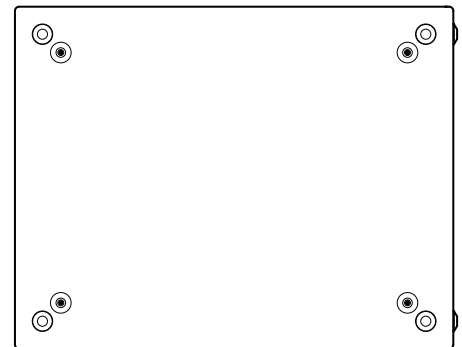
Side



Back



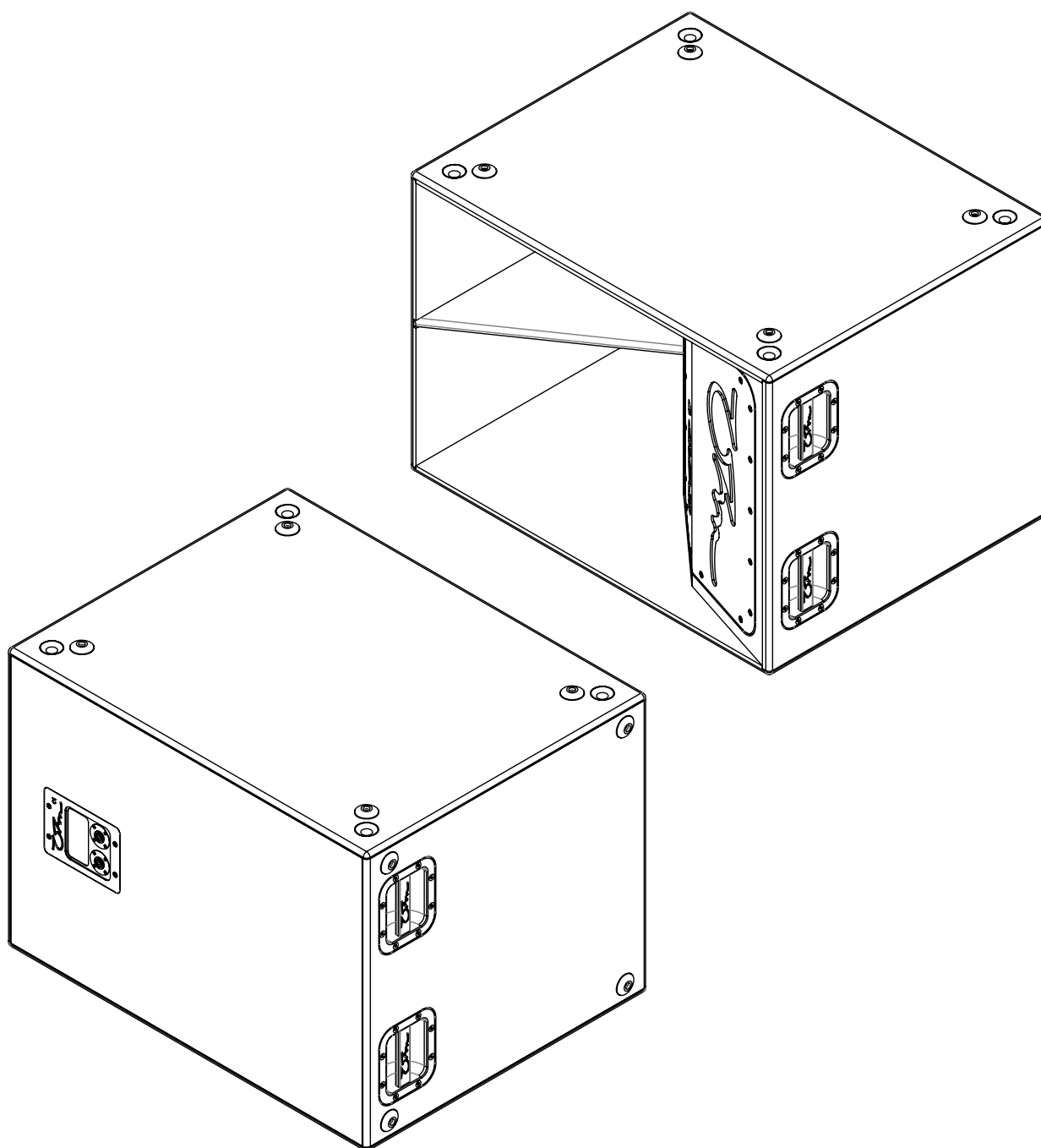
Bottom



Top

Further technical drawings for architectural requirements are available in DXF and DWG format for download on the website.

## LEDA 3D View



## Accessories and Spare Parts

- Stacking foot and cup system
- 2 x 12" Long Excursion Horn Driver
- Large Bar Handles
- LEDA backplate

## Architects' & Engineers' specifications:

Folded horn subwoofer design, housing 2 x 12" long excursion horn driver. Homogeneous radiating behaviour and linear response in the entire frequency range. Constructed from different multi-laminated wood, eco-friendly scratch resistant polyurea paint, Foot and cup stacking system to ensure cabinets stability when stacked in multiples, ergonomic carry handles.

## Technical Data:

Frequency Response: 40 Hz - 400 Hz (-10dB), 45 Hz - 350 Hz ( $\pm 3$  dB), Continuous SPL: 135 dB/1m, Program SPL 138 dB/1m, Peak 141 dB/1 m. Power Handling: 600 Watt cont. IEC268 AES, Maximum Power Handling: 1200 Watt prog. / 2400 Watt peak, Impedance Nominal: 8 ohm, Dispersion Nominal: Omni (hor. x vert.), Connectors: 2 x speakON® connectors NL4MP (1+/1-, 2+/2- links). Dimensions (H x W x D): 686 mm x 956 mm x 746 mm, Weight: 80 kg. Options: Durable scratch resistant black polyurea textured paint finish. RAL colours available to order.

## Safety Instructions

Professional speaker systems are able to produce sound pressure levels that could harm your health.

Never stand directly in front of loudspeakers for long periods. Whilst not immediately apparent to the listener, sound pressure levels in excess of 90dB@1m can be hazardous to the hearing.

Please refer to the following advice when setting up or dismantling OHM speaker systems.

1. Be sure to leave adequate distance between speakers and the public. Refer to your local authority for Health and Safety guidance when using loudspeaker systems.
2. Be sure to have safe and stable ground for your speakers, particularly when using speaker stands.
3. When stacking speaker systems, ensure they are secured to prevent individual speakers from falling down or moving around.
4. Only use OHM mounting hardware, as this has been specified and approved by AURAL LTD, OHM (UK) LTD for use with OHM speakers.
5. When flying speakers, appropriate materials and techniques must be employed in order to safely suspend enclosures, taking care to allow for specified enclosure weight.
6. Please observe any special instructions that appear on specific loudspeaker data-sheets.
7. Check your speaker hardware and flying material regularly for any visual or mechanical failure. Replace damaged or suspect items when necessary.

## Safety Instructions Cont.

8. Only use OHM DSP Solutions. Only technicians authorised by AURAL LTD, OHM (UK) LTD are qualified to program digital controllers. Take note of recommended controllers as specified on the datasheets. Do not use OHM loudspeaker systems without the correct controller. If a system fails due to incorrect controller use, warranty is void.

9. Protect your speakers and electronics from freezing and do not expose them to humidity, water or rain without protection.

OHM loudspeakers and electronics are covered against defects in workmanship or materials for a period of two (2) years from original date of purchase. At the discretion of AURAL LTD, OHM (UK) LTD, the defective item will be repaired/replaced with no charge for materials or labour. The item is to be adequately packed and dispatched, pre-paid, to an OHM authorised distributor/service centre. Unauthorised repair shall void the warranty. The OHM warranty does not cover cosmetics or finish and does not apply to any item which in OHM's opinion has failed due to user abuse, accident, modifications or any type of misuse.

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