



### **Same Look \_ Recycled**

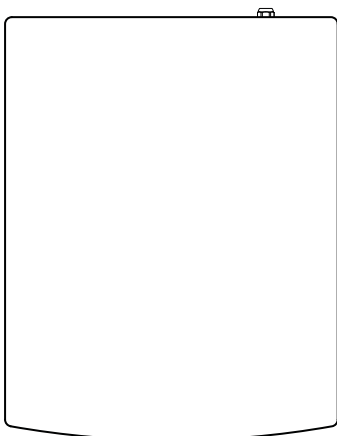
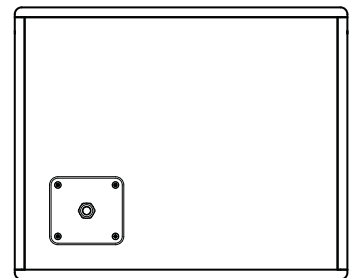
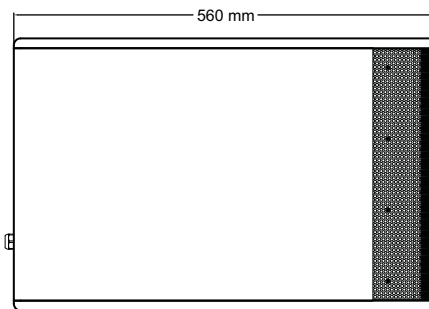
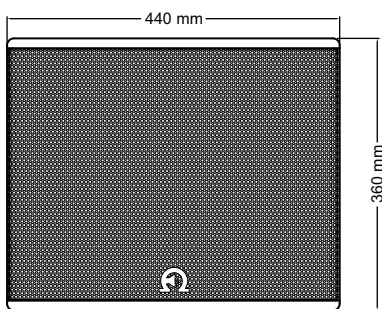
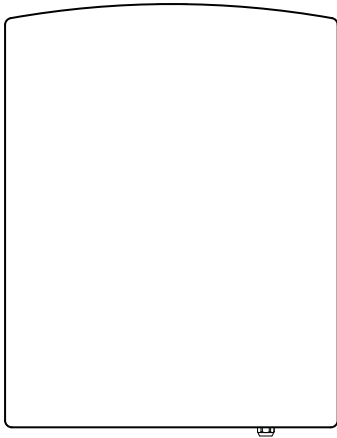
Significantly improving outdoor sound quality while helping the environment. As well as being one of the most innovative new enclosure materials for weatherproof loudspeakers, it's also one of the most environmentally-friendly and economical.

Each product in this range is manufactured from 100% waste plastic which typically ends up being land-filled, floating in our oceans or incinerated. Every design using this recycled polymer is engineered to perform as an alternative to polyurethane coated plywood or plastic rotational/injection moulded. Fully recyclable at end-of-life.

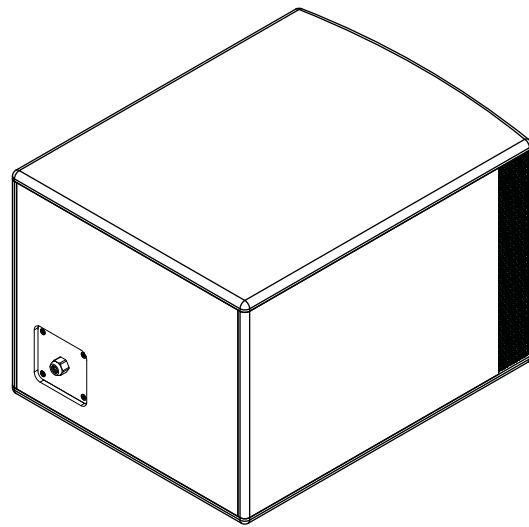
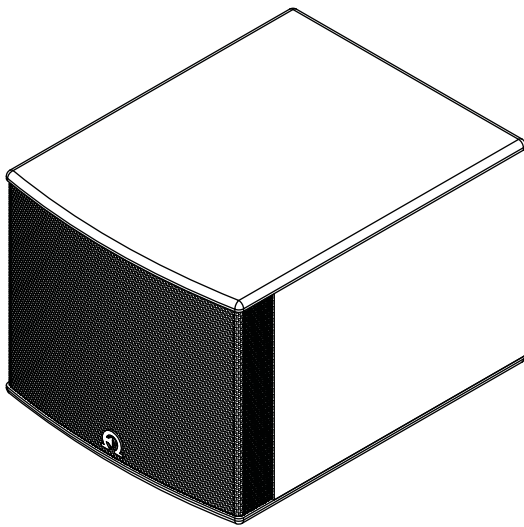
#### **Features**

- Rot and weatherproof
- RAL Colour options
- No maintenance costs
- Chew resistant and non-toxic to animals
- Acid and chemical resistant, resisting most industrial chemicals
- High power output
- Perfect for under seat placement
- Ideal for louder background music
- Low and punchy bass reinforcement
- Waterproof design

## 2d Drawing



## 3d Drawing



- ECO-12S steel grille assembly
- ECO-12S backplate and crossover
- 1 x 12" low frequency driver
- Steel Omega Logo

## Technical Specifications

### Design

12" Passive Subwoofer, Reflex Tuning

### Impedance

8 Ohm

### Power Handling (AES)

500 Watts (continuous)

### Max. Power Handling (AES)

1000 Watts (prog)

2000 Watts (peak 10 ms)

### Sensitivity 2.83V / 1m

96 dB

### Max. SPL

123 dB cont.

129 dB peak

### Frequency Response ( $\pm 3$ dB)

41 Hz - 268 Hz

### Usable Frequency Range (-10 dB)

32 Hz - 280 Hz

### Dispersion

Omni-directional / Array dependant

## SYSTEM OPERATION

### Recommended Amplification

1000 \_ 2000 Watts

### System Controller

Omega DSP solutions

### Speaker Cables

Min - 2 x 2.5 mm<sup>2</sup>

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

## PRODUCT FEATURES

### Components

1 x 12" Low Frequency Driver

### Crossover

Passive \_ Preset dependant

Active \_ \* LPF \_ 110 Hz Lower / HPF \_ 38 Hz

\* All presets from the Omega library.

### Connectors

Glanded backplate, internal Wago quick connects

### Dimensions (H x W x D mm)

360 x 440 x 560

### Weight (kg)

23

### Shipping Weight (kg)

24 (1 cabinet per carton)

### Colour

Black

### Options

White or RAL colours on request

### Rigging

-

## HARDWARE

### Fitted as Standard

Rubber feet

### Optional

-

### Additional Descriptive Data

Recycled Polymer construction, with durable scratch resistant black textured paint finish, kick-proof steel grille and internal black fret cloth with Omega logo.

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

\* All presets from the Omega library.

## **Architects' & Engineers' specifications:**

2-Way dynamic loudspeaker in a multi purpose enclosure design, housing 1 x 12" proprietary low mid bass driver, Homogeneous radiating behaviour and linear response from 32 Hz. Constructed from Recycled Polymer, eco-friendly scratch resistant paint, kick proof steel grille finished with internal fret cloth and Omega Logo.

## **Technical Data:**

Frequency Response: 32 Hz - 280 Hz (-10dB), 41 Hz \_ 268 Hz ( $\pm 3$  dB), Continuous SPL: 123 dB/1m, Program SPL 129 dB/1m, Peak 134.7 dB/1 m. Power Handling: 500 Watt cont. IEC268 AES, Maximum Power Handling: 1000 Watt prog. / 2000 Watt peak, Impedance Nominal: 8 ohm, Dispersion Nominal: Omni Directional, Connector: M16 Gland, internal Wago quick connects. Dimensions (H x W x D): 360 mm x 440 mm x 560 mm, Weight: 23 kg. Options: Durable scratch resistant black 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 OMEGA 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 OMEGA mounting hardware, as this has been specified and approved by KHZ LTD, for use with OMEGA 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

## **Safety Instructions Cont.**

failure. Replace damaged or suspect items when necessary.

8. Only use OMEGA DSP Solutions. Only technicians authorised by KHZ LTD are qualified to program digital controllers. Take note of recommended controllers as specified on the datasheets. Do not use OMEGA 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.

OMEGA 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 KHZ 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 OMEGA authorised distributor/service centre. Unauthorised repair shall void the warranty. The OMEGA warranty does not cover cosmetics or finish and does not apply to any item which in OMEGA's opinion has failed due to user abuse, accident, modifications or any type of misuse.

## **Disclaimer**

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