



Same Look _ Recycled

Significantly improving outdoor sound quality while helping the environment

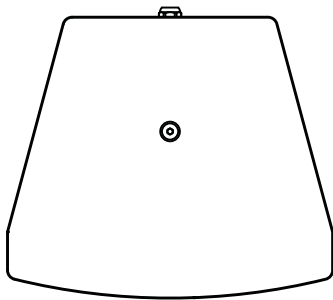
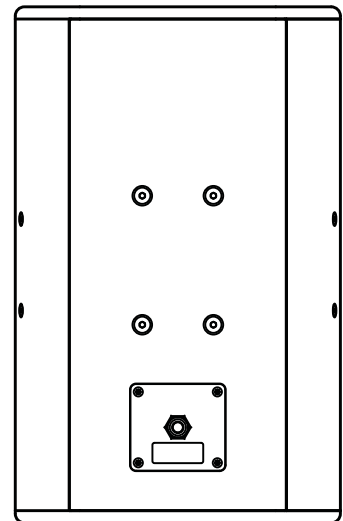
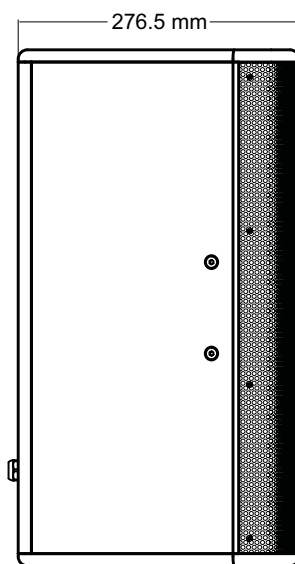
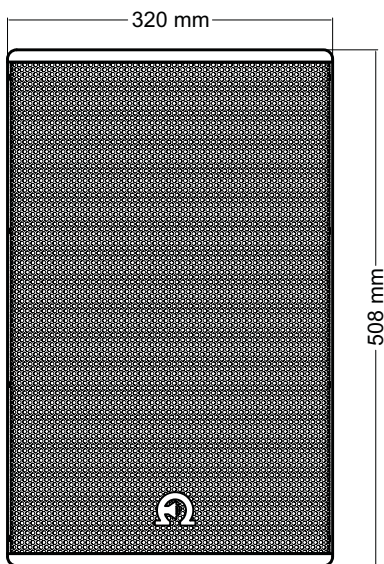
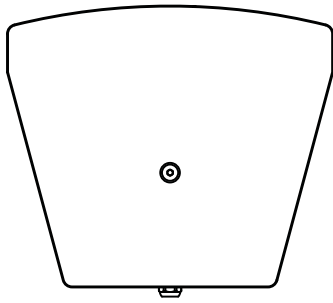
As well as being one of the most innovative new enclosure materials for weatherproof loud-speakers, it's also one of the most environmentally-friendly and economical.

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.

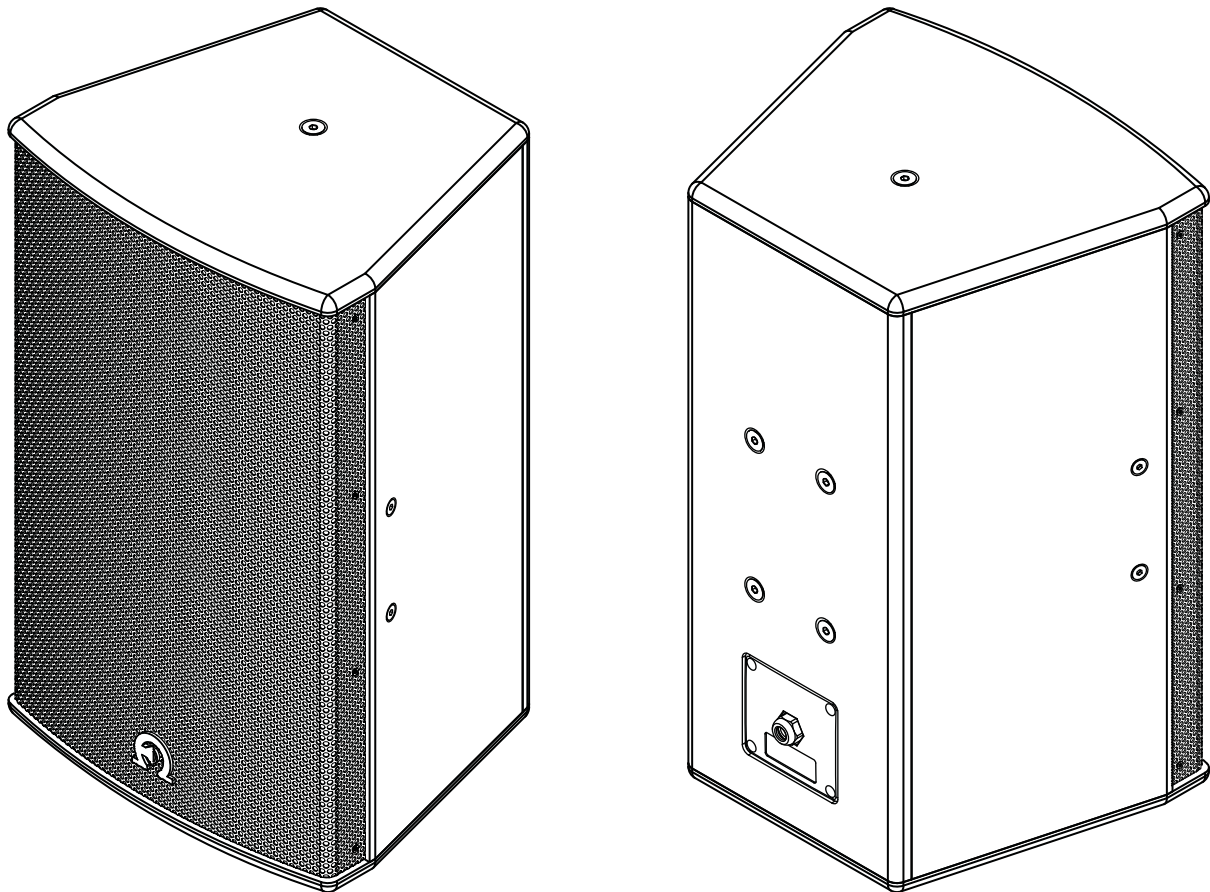
Features

- Rot and weatherproof
 - RAL Colour options
 - No maintenance costs
 - Chew resistant and non-toxic to animals
 - Acid and chemical resistant, resisting most industrial chemicals
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- Rotatable Horn allows for flexible usage
 - Horizontal or vertical cradles give extra mounting configurations
 - UK made cast aluminium chassis drivers
 - Waterproof design

2d Drawing



3d Drawing



- ECO-10 steel grill assembly
- ECO-10 backplate and crossover
- 1 x 10" low frequency driver
- 1 x 1" horn loaded compression driver
- Steel Omega Logo

Design

10" Full Range Cabinet, Reflex Tuning

Impedance

8 Ohm

Power Handling (AES)

300 Watts (continuous)

Max. Power Handling (AES)

600 Watts (prog)

1200 Watts (peak 10 ms)

Sensitivity 2.83V / 1m

97 dB

Max. SPL

121.8 dB cont.

127.8 dB peak

Frequency Response (± 3 dB)

86 Hz - 21 kHz

Usable Frequency Range (-10 dB)

72 Hz - 22 kHz

Dispersion

90° x 60° Rotatable

SYSTEM OPERATION

Recommended Amplification

600 _ 1200 Watts

System Controller

Omega DSP solutions

Speaker Cables

Min - 2 x 2.5 mm²

Preferred - 2 x 4 mm²

PRODUCT FEATURES

Components

1 x 10" Low Frequency Driver

1 x 1" Horn Loaded Compression Driver

Crossover

Passive _ 1.59 kHz

Active _ * LPF _ / HPF _ 100 Hz

* All presets from the Omega library.

Connectors

Glanded backplate, internal Wago quick connects

Dimensions (H x W x D mm)

508 x 320 x 276.5

Weight (kg)

20.8

Shipping Weight (kg)

22 (1 cabinet per carton)

Colour

Black

Options

White or RAL colours on request

Rigging

4 x mounting points for Powerdrive Bracket,

6 x mounting points for installation bracket.

HARDWARE

Fitted as Standard

-

Optional

Horizontal / vertical mounting bracket.

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Additional Descriptive Data

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

Recommended filter settings are available on the website omegaproaudio.co.uk/downloads

* All presets from the Omega library.

Architects' & Engineers' specifications:

2-Way dynamic loudspeaker in a multi purpose enclosure design, housing one 10" driver & 1" exit compression driver on 90° x 40° CD horn. Homogeneous radiating behaviour and linear response from 350 Hz. Integrated passive crossover with HF protection and phase optimization. Constructed from Recycled Polymer, eco-friendly scratch resistant paint, 6 x flying points, , kick proof steel grill finished with internal fret cloth and Omega Logo.

Technical Data:

Frequency Response: 72 Hz _ 22 kHz (-10dB), 86 Hz - 21 kHz (± 3 dB), Continuous SPL: 121.8 dB/1m, Program SPL 124.8 dB/1m, Peak 127.8 dB/1 m. Power Handling: 300 Watt cont. IEC268 AES, Maximum Power Handling: 600 Watt prog. / 1200 Watt peak, Impedance Nominal: 8 ohm, Dispersion Nominal: 90° x 60° (hor. x vert.), Connector: M16 Gland, internal Wago quick connects. Dimensions (H x W x D): 508 mm x 320 mm x 276.5 mm, Weight: 20.8 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.

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