

## TECHNICAL DATA SHEET

The i-R12 is a compact reflex loaded subwoofer intended for a wide variety of fixed installations where cost and simplicity are key requirements.

## FEATURES AND BENEFITS

- Reflex design for good low frequency extension
- 12" neodymium low frequency driver
- Compact and lightweight enclosure
- Multiple rigging and mounting options
- Black, white or RAL colour options



The i-R12 is a compact reflex loaded subwoofer designed to extend the bandwidth and increase the headroom of EMS series mid-high and full range loudspeaker models. It consists of a 12" (305mm) neodymium low frequency driver in reflex loaded enclosure designed to provide smooth LF rolloff and extended bass response.

The drive unit is housed within a compact, vented enclosure constructed from premium 15mm (5/8") multi-laminate Birch plywood. Its compact dimensions enable it to be unobtrusively installed in restricted spaces such as under seating in clubs and bars. A total of 14 M10 threaded fixings are incorporated around the enclosure on the top, bottom, sides, and rear for attachment of rigging hardware and safeties. The enclosure includes a pair of Neutrik® speakON™ NL4 connectors for input and enclosure link. A tough perforated steel grille protects the drive unit from damage, and can be quickly removed for service purposes. The enclosure is finished in black or white textured paint as standard, however RAL colour matching options are also available.

The i-R12 is designed to provide useful low frequency extension in installation applications, where space is at a premium. The i-R12 can support any product, but is especially suitable for reinforcing EMS-41, EMS-51, EMS-61 and EMS-81X loudspeakers.

The i-R12 requires a single amplifier channel, and should be used with professional power amplifiers capable of delivering 1000 to 1400W RMS into an 8-ohm load. For optimal results, either the DQ Series Advanced System Amplifiers, or the AQ or AD Series amplifiers combined with DSC48 processors should be used.

## TECHNICAL SPECIFICATIONS

## ENCLOSURE TYPE:

DIMENSIONS: (HxWxD): :

NET/SHIPPING WEIGHT:

FREQUENCY RESPONSE<sup>1</sup>:SENSITIVITY<sup>2</sup>:DISPERSION<sup>3</sup>:

DRIVE UNITS:

POWER HANDLING:

MAXIMUM SPL<sup>4</sup>:

NOMINAL IMPEDANCE:

CROSSOVER:

CONNECTORS:

ENCLOSURE:

RIGGING &amp; HARDWARE:

GRILLE:

OPTIONS:

Reflex loaded subwoofer

360 (14.2) x 530 (20.9) x 500 (19.7) mm/(ins)

23kg/25kg (50.6/55lbs)

45Hz – 150Hz +/- 3dB

98dB

Omnidirectional

1 x 12" (305mm) neodymium drive unit

700W RMS, 1400W program

124dB continuous, 130dB peak

8 ohms

External active, recommended below 110Hz

2 x Neutrik® speakON™ NL4

15mm (5/8") multi-laminate Birch plywood

14 x M10 threaded mounting points

Perforated steel

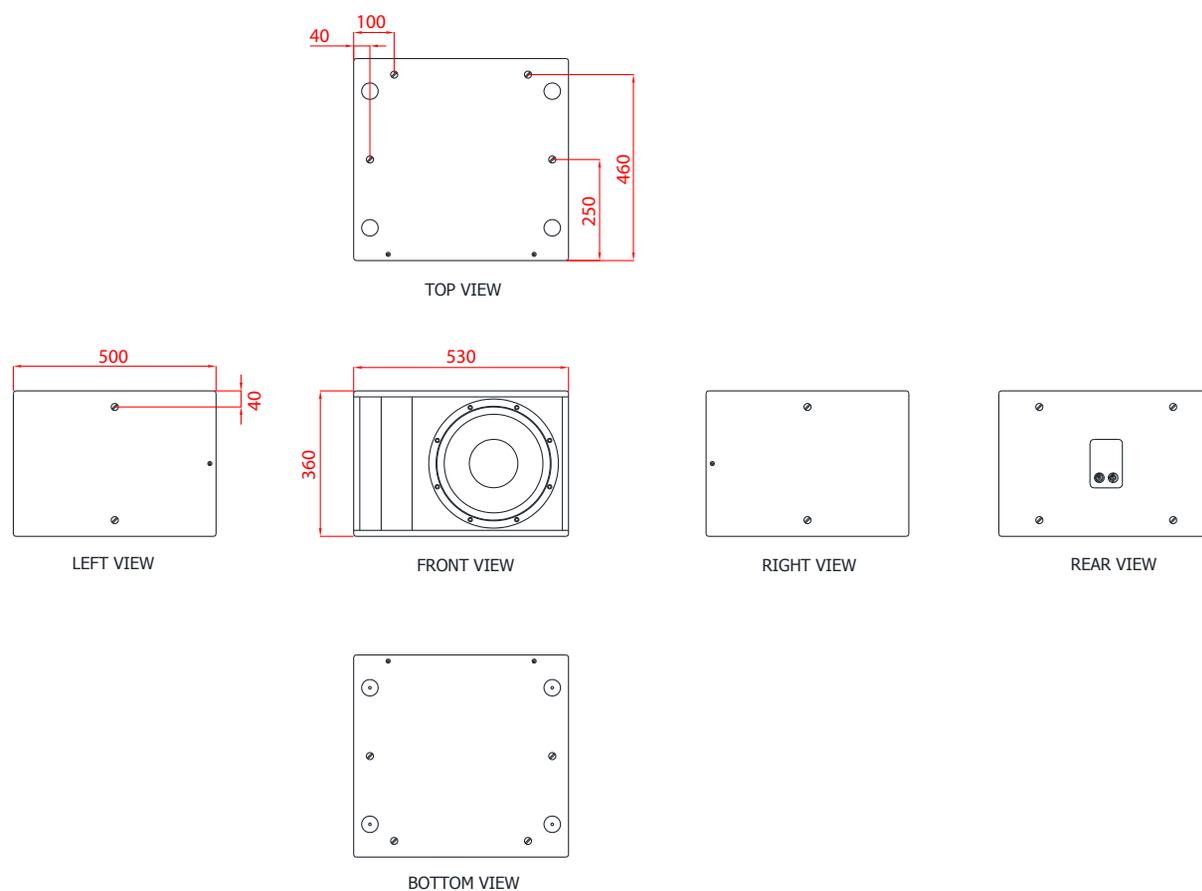
Colours

## NOTES ON MEASUREMENT CONDITIONS:

<sup>1</sup>Measured on-axis at 2m in an anechoic environment and referenced to 1m. <sup>2</sup>Measured in half space at 2m with 4W sine wave input and referenced to 1m. <sup>3</sup>Nominal dispersion, measured in an anechoic environment and averaged over stated bandwidth. <sup>4</sup>Calculated and verified by subjective listening test of familiar program material.



## ENGINEERING DRAWING



## ENCLOSURE OPTIONS

i-R12 enclosures are supplied as standard in black or white. Any RAL colour can be supplied on request (extended lead time and setup charges apply).