

## EMS-152 LOUDSPEAKER



The EMS-152 is a powerful, two-way medium-Q loudspeaker designed for high SPL. Applications range from nightclubs to theatres and large auditoriums. Controlled, predictable dispersion patterns in both horizontal and vertical planes allow quick and easy array constructions, maintaining the 65Hz – 18KHZ frequency response at all power levels.

The EMS-152 contains a powerful 15" (384mm) neodymium cone drive unit for low frequencies, and a 4" voice coil, 2" exit HF compression driver on a 60°H x 40°V waveguide for high frequencies.

Through the use of highly advanced passive crossover technology – developed from the UniPhase1 network – the EMS-152 utilises the UniPhase2 network. This new advancement can achieve frequency and phase responses never before seen on a passive design of this type. Consequently, the EMS-152 outperforms enclosures of significantly higher cost, without dedicated control devices or multiple amplifier channels.

The enclosure is constructed from CNC-machined Birch plywood, and is fitted with tour-grade integral rigging points and flush handles. A rear panel access door allows quick on-site HF diaphragm replacement if necessary.

The EMS-152 can be fitted with the optional DA-1 amplifier module for increased flexibility.

### TECHNICAL SPECIFICATIONS

ENCLOSURE TYPE:	2-way reflex loaded
DIMENSIONS (HxWxD):	695 (27.4) x 488 (19.2) x 485 (19.1) mm/(ins)
NET/SHIPPING WEIGHT:	42/45kg
FREQUENCY RESPONSE <sup>1</sup> :	65Hz – 18KHz +/- 3dB
SENSITIVITY <sup>2</sup> :	96dB
DISPERSION <sup>3</sup> :	60°H x 40°V
DRIVE UNITS:	1 x 15" (381mm) neodymium LF cone drive unit 1 x 2" (50mm) exit neodymium HF compression drive unit
POWER HANDLING:	600W RMS, 1200W program
MAXIMUM SPL:	132dB continuous, 138dB peak
NOMINAL IMPEDANCE:	8 ohms
CROSSOVER:	UniPhase2 internal passive
CONNECTORS:	2 x Neutrik Speakon™ NL4MPR
ENCLOSURE:	18mm (3/4") multi-laminate Birch plywood – rebated, screwed & glued. Finished in black Warnex textured paint
RIGGING/SUSPENSION:	6 x M10 internal flypoints
GRILLE:	Black foam on polyester coated expanded steel mesh
OPTIONS:	EMS-152 outdoor treatment EMS-152WP (weather protected outdoor model) Colours Connectors DA-1 Amplifier Module

### Notes on measurement conditions:

<sup>1</sup>Measured on-axis

<sup>2</sup>Average SPL over stated bandwidth with 1W input, measured at 1m

<sup>3</sup>Nominal dispersion, averaged over stated bandwidth

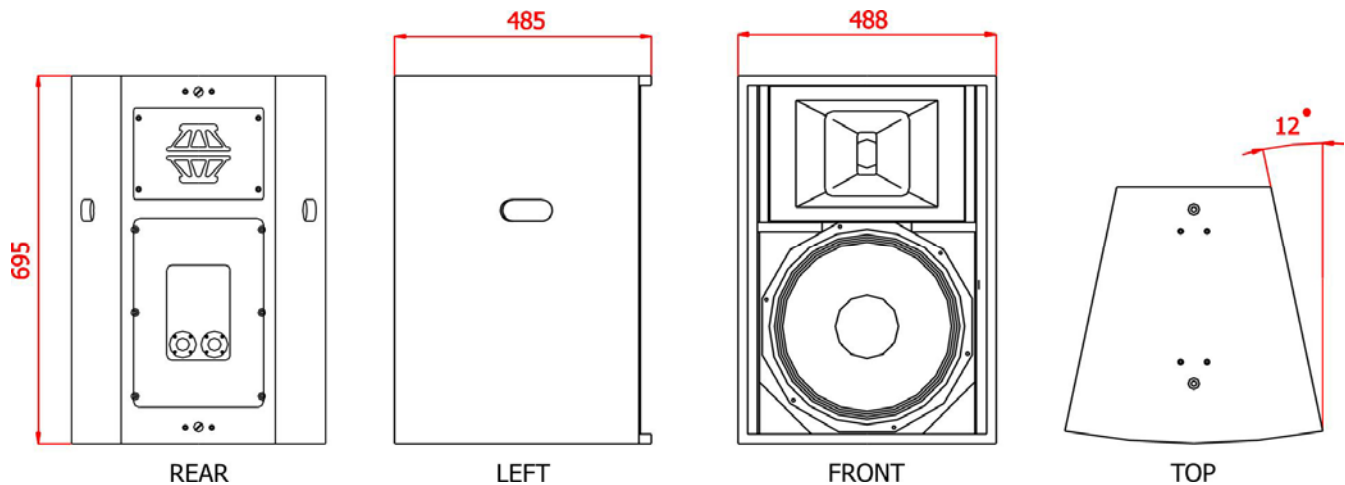
*EM Acoustics operates a continuous policy of research and development, and as such reserves the right to alter specifications without notice*

# TECHNICAL DATA SHEET



## EMS-152 LOUDSPEAKER

### ENGINEERING DRAWING



### OPTIONAL RIGGING HARDWARE



A variety of different methods of flying and arraying the EMS-152 loudspeaker are available, depending on the application. Please contact your local EM Acoustics representative for details. The photo shows the use of M10 eyebolts for suspension in permanent installations with steel cables.

M10 FORGED  
SHOULDER EYEBOLTS

### ENCLOSURE OPTIONS

#### EMS-152 outdoor treatment

Semi-outdoor version of EMS-152, designed for temporary outdoor use. Enclosure is supplied in standard configuration, with stainless steel fixings throughout and weatherproof coatings sprayed onto LF drive unit and woodwork before paint finish is applied.

#### EMS-152WP

Dedicated outdoor version of the EMS-152, designed for permanent installation. Supplied with no handles, rear logo or access doors, with connector panel on underside to prevent moisture ingress. Stainless steel fixings throughout, and weatherproof coatings sprayed onto LF drive unit and onto woodwork before paint finish is applied.

#### Colours

Supplied as standard in black, however white & grey are available as options. By special order, any colour can be provided if the relevant RAL or Pantone colour code or a colour sample is provided.

#### Connectors

Neutrik Speakon™ NL4MPR connectors supplied as standard. EMS-152 can be supplied with XLR connectors, or non-standard connectors by special order.

