

EMS-115 SUBWOOFER



The EMS-115 is a compact, powerful subwoofer, designed for a wide variety of uses. It was designed with flexibility in mind – and consequently is at home either as a small-scale FOH subwoofer, or discreetly installed in a wide range of applications. Stylish yet understated aesthetics allow the enclosure to blend in at any conference, corporate event, theatre or nightclub. The compact enclosure houses a single reflex-loaded 15" (381mm) high power LF drive unit in a quasi-bandpass design.

The EMS-115 is the answer to many of today's installations, where noise restrictions imposed limit the amount of low frequency information that can be used. By utilising the quasi-bandpass design concept from the EMS-215, the EMS-115 is voiced to have speed and impact, without unnecessary low frequency extension.

The rugged enclosure is constructed from CNC-machined Finnish multi-laminate Birch plywood, rebated, screwed & glued together for maximum strength. The enclosure is

finished in black semi-matt textured paint, however other colours are available on request. An expanded steel mesh grille backed by acoustically transparent black foam protects the drive units from damage and moisture. A full length 35mm polemount socket is provided to support EMS-81 or EMS-121 enclosures above the subwoofer. The drive unit is accessed from a recessed door on the top of the enclosure for ease of service. Four grade castors can be fitted to the enclosure on request. Rubber feet on the bottom of the enclosure with mating recesses on the top protect the enclosure from direct contact with the floor, and give extra stability when stacked in multiples. The two Neutrik Speakon™ NL4MPR connectors are recessed into the rear to allow for neat cabling.

The EMS-115 can add low frequency power and extension to system based around the EMS-61, EMS-81 or EMS-121 fullrange enclosures.

TECHNICAL SPECIFICATIONS

ENCLOSURE TYPE:	single driver quasi-bandpass subwoofer
DIMENSIONS (HxWxD):	495 (19.5) x 516 (20.3) x 700 (27.6) mm/(ins)
NET/SHIPPING WEIGHT:	36/39kg
FREQUENCY RESPONSE ¹ :	50Hz – 150Hz +/- 3dB
SENSITIVITY ² :	98dB
DISPERSION ³ :	Omnidirectional
DRIVE UNITS:	1 x 15" (381mm) LF cone drive units
POWER HANDLING:	500W RMS, 1000W program
MAXIMUM SPL:	127dB continuous, 133dB peak
NOMINAL IMPEDANCE:	8 ohms
CROSSOVER:	Active, recommended below 120Hz (24dB/Octave L-R)
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:	1 x 35mm polemount sockets for mid/high enclosures, 4 x rubber feet
GRILLE:	Foam-backed hex punched steel
OPTIONS:	Colours

Notes on measurement conditions:

¹Measured on-axis

²Average SPL over stated bandwidth with 1W input, measured at 1m

³Nominal dispersion, averaged over stated bandwidth

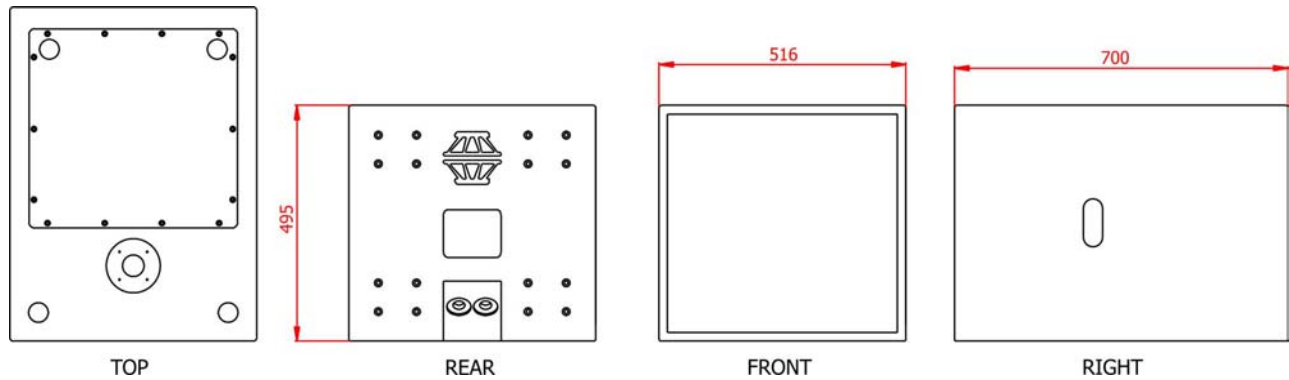
EM Acoustics operates a continuous policy of research and development, and as such reserves the right to alter specifications without notice

TECHNICAL DATA SHEET



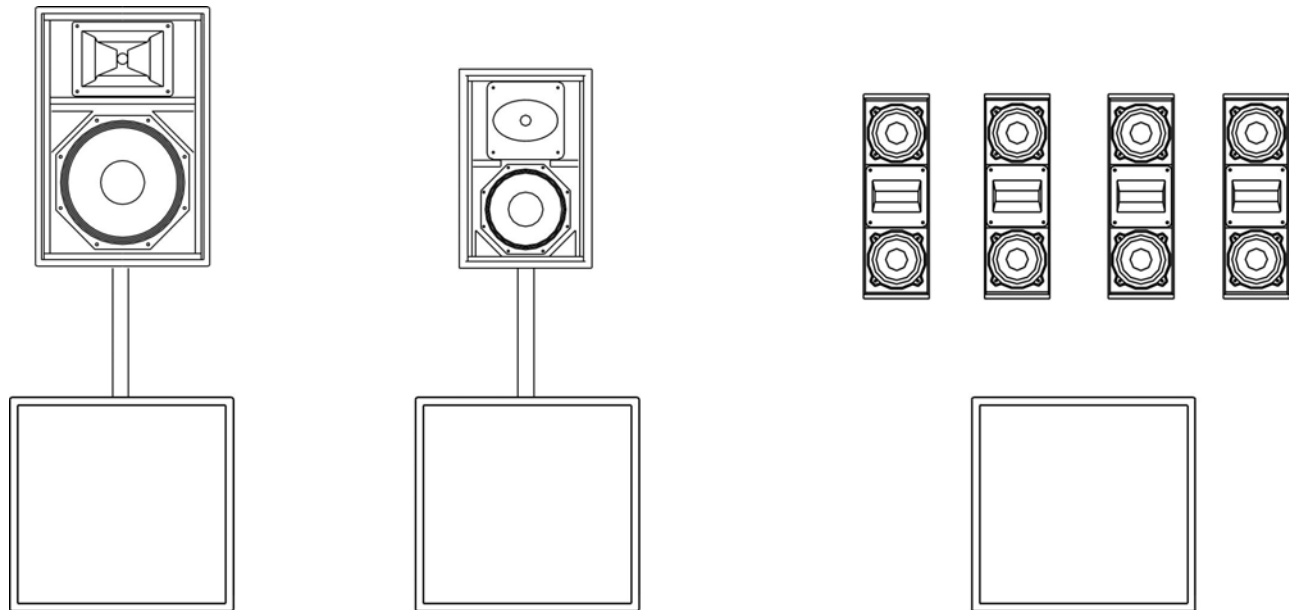
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ENGINEERING DRAWING



SYSTEM CONFIGURATION OPTIONS

The following shows possible system uses of the EMS-115



EMS-121 enclosure
EMS-115 subwoofer
SMALL FOH SYSTEM

EMS-81 enclosure
EMS-115 subwoofer
COMPACT FOH SYSTEM

4 x i-2 enclosure
EMS-115 subwoofer
DISTRIBUTED SOUND
SYSTEM

ENCLOSURE OPTIONS

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-115 can be supplied with XLR connectors, or non-standard connectors by special order.