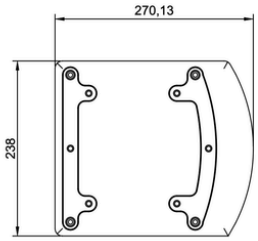
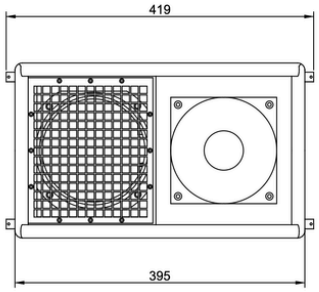
B7 MKIV - Data Sheet
Compact Line Array







The first version of the EmPad B7 was introduced back in 1989, which has been receiving performance upgrades with each revision since. Our latest being the B7 MKIV. A very compact form factor that is highly efficient in it's specified frequency range. Delivering true and honest mid-highs at immense SPLs.

An extremely flexible product; capable of both line array and near field coverage applications. From high-impact clubs to large outdoor events and everything in between, the EmPad B7 is a reliable tool for the job.

Our proprietary EmPad WG-MP waveguide ensures even coverage and linearity of mid-high frequencies; whilst also providing exceptional phase response in a single cabinet or line array configuration.

The EmPad B7 MKIV comes standard with rigging, allowing up to 16 EmPad B7 MKIV to fly on a single fly beam. Transition rigging beams from our Low Frequency Element loud speakers and wall mounted single cabinet solutions are also available. Please consult our EmPad B7 MKIV rigging documentation for further details.

Pole mounts on the EmPad B7; positioned on both the top and bottom of the cabinet allows the high frequency section to be either on the inside or outside of a conventional L-R pole setup.

All connectors for the "Input" and "Output" sections of the connector panel are industry standard Neutrik NL4 Speakon connectors.

Up to four EmPad B7s are able to be powered on a single amplifier channel. A Speakon termination plug will be needed to complete the circuit at the end of the link chain of the B7s. Please consult our EmPad amplifier documentation for further details.

Made from European parts and ideas, the EmPad B7 is made from high quality components and materials; from electronics and transducers to the birch ply-wood used for every EmPad loud speaker cabinet. We ensure the highest possible sonic and build quality. All built in-house at our factory in Thailand.

EmPad
HORNLESS DESIGN

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ACOUSTICAL PROPERTIES	
Operating Frequency Range (Within + / - 3dB)	300 Hz - 20kHz
Maximum SPL	132 dB
Useful Coverage Angle	90° x 90°
POWER HANDLING	
Nominal Impedance	8 Ohm
Recommended Power (Single Channel)	1300 W @ 4 Ohm
Recommended Power Amplifier	EmPad MP4D
CONNECTION & WIRING	
Loud Speaker Wiring Configuration	2 Way - Single Amped (Internal Crossover)
“Input” Speakon Connector (Neutrik NL4)	“Input” Pin 2 +VE Connects to Internal Crossover, Pin 2 -VE Loops to “Output” Pin 2 +VE Speakon Connector.
“Output” Speakon Connector (Neutrik NL4)	“Output” Pin 2 -VE Connects to Internal Crossover. A Speakon “Termination” Plug is Required to Complete the Circuit.
TRANSDUCERS	
Mid Frequency	A Single 7-inch Cone Neodymium Driver.
High Frequency	A Single 1.25-inch Diaphragm Coupled to Proprietary EmPad WG-MP Waveguide.
PHYSICAL PROPERTIES	
Cabinet Dimensions (MM)	419 x 238 x 270
Cabinet Weight (KG)	14.3

Continued R&D leads to innovation and improvements. In the light of implementing such improvements, EmPad reserves the right to change published specifications and parameters without prior notice.