

Product description

Multi-purpose series

MP12-amp, 2Way, bi-amplified loudspeaker system

The MP12-amp loudspeaker system is a powered system that combines exceptionally accurate reproduction with high SPL output in a very compact multi-purpose enclosure.

The MP12-amp uses a proprietary 12 inch cone low frequency driver mounted in a vented enclosure with carrying handles. The high frequency unit is a 2 inch diaphragm high frequency compression driver couple to a in house designed 40°/90°x 60°asymmetrical horn.

A unique Active Speaker Output, (ASO) allows the user to connect a slave unit called MP12-S to the MP12-amp.

The MP12-amp built-in electronics package features a new power bi-amplifier designed specifically for Powered products.

The powerful, lightweight amplifier adds only 3 Kg to the weight of the cabinet while supplying 600W / 75W of RMS power.

Also a new DSP board provides the necessary crossover for Low & High frequencies, EQ for the transducers, phase EQ and time delay for accurate pulse response.

A standard Audio-Performance analogue driver protection circuitry protects the loudspeaker components from damage due to overheating or overdrive under high power conditions.

Intelligent AC suppresses high-voltage transients and provides a soft start function to eliminate high inrush currents during power-up.

IDEAL FOR

Stage monitoring
for
musical instruments
singing
or
speech

FOH

Special Features

- Built in amplifiers
&
Digital controller DSP
- Active Speaker Output
ASO
- Monitor & FOH presets



Technical data

MP12-amp, 2Way, bi-amplified loudspeaker system

Acoustical specifications

Frequency response	55-19'000 Hz ± 3dB
Sensitivity	99 dB/W@1m
Max. SPL	125 dB cont. 131dB peak
Coverage	40°/90° by 60° (4 positions)
Crossover frequency	1200Hz

Transducers description and electrical data

Low frequency	12 inch, long excursion, low distortion cone driver
High frequency	2 inch diaphragm, ferrofluid cooled compression driver, loaded with asymmetrical horn

Amplifiers

Output power (low)	600W (EIAJ-1KHZ, 1% THD)
Output power (high)	75W
THD, DIM, SMPTE	< 0.05%

Audio input

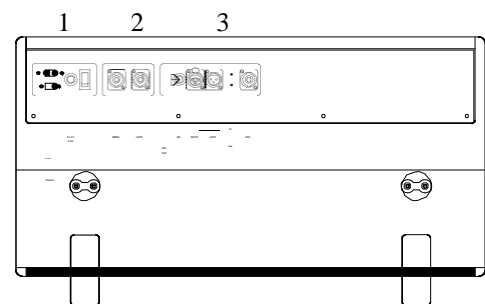
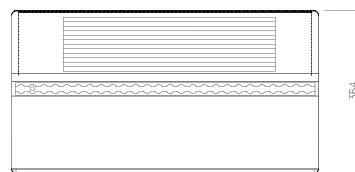
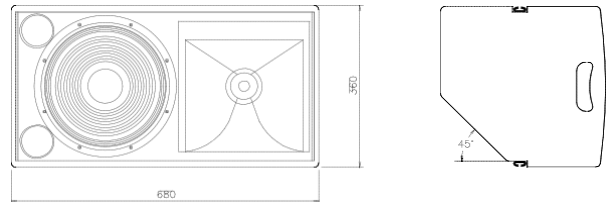
Type	differential balanced input circuit
Connector	female XLR: Male XLR loop
Nominal impedance	electronically balanced 10k Ohms
XLR wiring	1: GND, 2: positive, 3: negative

AC power

Connectors	Female PowerCon, in Male PowerCon, loop
Input voltage (EU)	195V - 250V AC
Average total efficiency	75%

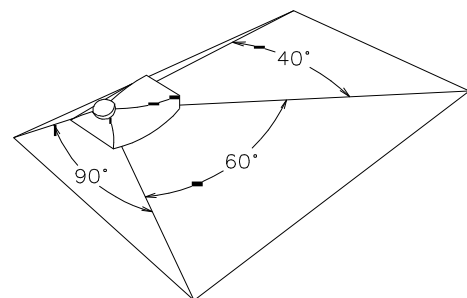
Mechanical data

Cabinet size (W x H x D)	680 x 390 x 300mm
Weight	25 kg
Enclosure, finish	18mm plywood, black textured
Protective grill	removable perforated steel grill covered with charcoal grey foam, inside



Backside - rear Panel

- 1 AC switch, ground loop switch and RS 232 remote control
- 2 PowerCon AC, IN & Loop
- 3 EQ switch (FOH, Monitor, EQ1)
Female XLR, input signal
Male XLR, Loop
Limit LED's Low & HI
ASO (Active Speaker Output)



The coverage pattern of the asymmetrical horn.
Vertically 60° and horizontally smoothly changing from 90° to 40°

In the interest of improving the equipment, AUDIO PERFORMANCE reserves the right to alter the specification without prior notice. AUDIO-PERFORMANCE by EVENTECH S.A