

MULTI-PURPOSE Series

Self-Powered 2 way compact loudspeaker system

Audio-Performance MP8-amp

The MP8-amp loudspeaker is a self-powered system that combines exceptionally accurate reproduction with high SPL output in a very compact multi-purpose enclosure available as mirror symmetrical left-right, to form pairs.

The MP8-amp uses a proprietary 8 inch cone ND 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 up to 4x slave unit called MP8-S in parallel to the MP8-amp.

The MP8-amp built-in electronics package features a new lightweight, two channel class D audio power amplifier (D2SP) designed specifically for Self-Powered products.

The D2SP amplifier module is a sophisticated switch mode power supply, class-D amplifier design capable of delivering more than 2 x 1'250W RMS into 2 Ohms and adding only 3Kg to the weight of the cabinet.

It incorporates a complete networked 96KHz digital signal processing (DSP) providing loudspeaker specific filtering, EQ, delays and protection functions.

Sophisticated amplifier protection systems continuously monitor all aspects of performance to the amplifier and associated drivers are always working within their safe operating areas.

PodWare PC application provides real time control and monitoring functions to either single units or whole networks of Audio-Performance self-powered loudspeakers through Ethernet CAT5 cable.

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

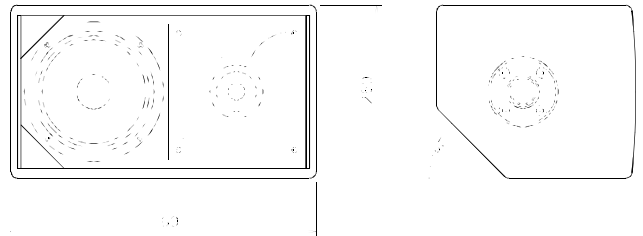


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MP8-amp Specifications

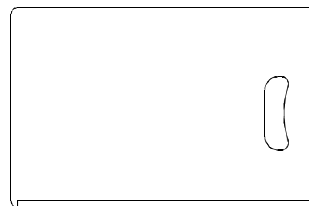
Acoustical

Frequency response (1)	60-20'000 Hz ± 3dB
Max. peak SPL (2)	123dB
Coverage	40°/90° by 60° (4 positions)
Crossover frequency (3)	1650Hz



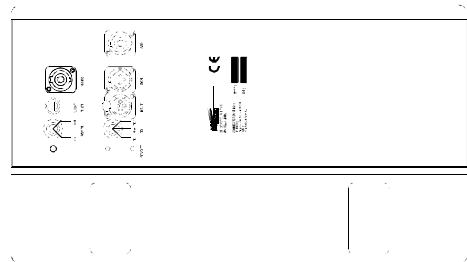
Transducers and electrical

Low frequency	8 inch, long excursion, low distortion cone driver
High frequency	2 inch diaphragm compression driver, loaded with asymmetrical horn



Amplifiers

Output power (low)	1'250W (EIAJ-1KHZ, 1% THD)
Output power (high)	1'250W
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)	110V - 250V AC
Average total efficiency	90%

Mechanical

Cabinet size (W x H x D)	460 x 260 x 300mm
Weight	15 kg
Enclosure, finish	15mm plywood, black textured
Protective grill	removable perforated steel grill covered with charcoal grey foam, inside



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.
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