

TOURING SELF-POWERED Series

Self powered high SPL horn loaded DSP loudspeaker system
 PC remote controlled with Networking

Audio-Performance Touring Monster2-F-amp

The Monster2-F-amp loudspeaker is a powered version of the Monster2-F loudspeaker system which is a fully horn loaded cabinet made for application where directivity and power are of importance. The Monster2-F-amp uses two proprietary 12 inch low frequency cone driver housed in a horn loaded enclosure and a 1,4 inch high frequency driver loaded with a 70° x 40° CD horn. The Monster2-F-amp is easily arrayable with its 8.5° trapezoidal shape and L-track rigging flying hardware.

The Monster2-F-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 ensure that the amplifier and associated drivers are always working within their safe operating areas.

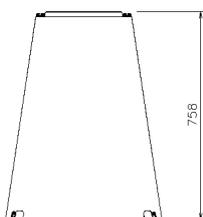
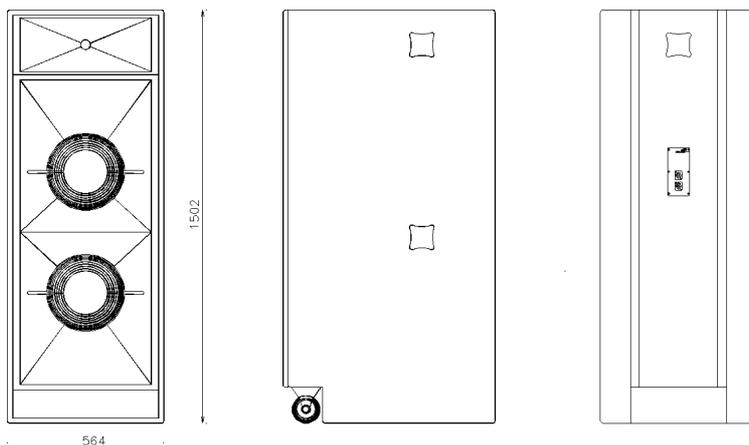
With an extraordinary average efficiency of 90%, the system is practically service free.

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

Touring
 Concert halls
 Clubs
 Discotheques
 Festivals

The Monster2-F-amp is ideal for any professional touring or installation application requiring directivity control and high sound pressure levels



Special Features

Full-range

High efficiency

Long throw

Arrayable

Ethernet or EtherSound
 Networking
 PC remote controlled

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Touring Monster 2-F-amp Specifications

ACOUSTICAL

Frequency response(1).....	40Hz - 18KHz
Phase response	350Hz - 10Khz + / - 45°
Max. peak SPL (2).....	146dB
Directivity H x V	70° x 40°
Crossover frequency (3).....	980Hz

TRANSDUCERS

Low frequency	2 x 12 inch, ferrofluid cooled, long excursion
High frequency	1 x 3 inch diaphragm, ferrofluid cooled compression driver, loaded with 70°x 40°CD horn.

AMPLIFIER

Output power (low) (5).....	1'250W RSM
Output power (high) (5).....	1'250W RSM
THD, DIM, SMPTE	< 0,05%

AUDIO INPUT

Type	Analog differential balanced input circuit
Connectors	Female XLR; Male XLR loop
Nominal impedance	10K Ohms
XLR wiring	1: GND, 2: positive, 3: negative

DSP

Sampling rate	96KHz
Basic delay	0.76ms
Dynamic range	115dB

NETWORK

Type	EtherNet
Connectors	RJ45 female, RJ45 loop

AC POWER

Connectors	Female Powercon, in; Male PowerCon loop
Input voltage	115V - 230V nominal +/- 10%

MECHANICAL

Enclosure:	15 & 18mm plywood
Finish	Black epoxy painted
Dimensions (W x H x D)	564 x 1502 x 758mm
Grill	Removable perforated 1,6mm steel, foam cover
Weight	115Kg
Rigging	Aircraft L-track fittings, front and back