

## TOURING SELF POWERED Series

Self powered high DSP controlled low-mid subwoofer system  
PC remote controlled with networking

### Audio-Performance LM3-amp

The LM3-amp is a self-powered low-mid subwoofer cabinet designed to complement AP SK or SK amp touring system. It provides with an efficient solution when there is a need to reinforce the low frequencies within a flown cluster.

The LM3-amp cabinet is composed of 2 x 15 inch ND cone drivers mounted in a proprietary horn-loaded band pass system.

This particular design reaches a high efficiency on-axis and reduces substantially the sound emitted toward the rear, which prevents from unwanted low frequency feedbacks on-stage.

The LM3-amp uses the same cabinet shape and L-track flying hardware as the SK-amp system. The combination of SK and LM3-amp's cabinets gives a very powerful full range system down to 55Hz.

The LM3-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 1 x 2'500W RMS (bridged mode) into 4 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

Theatre

Motion Picture

Radio, TV

Clubs, Discos

Side Fill in large scale  
music reinforcement

## Special Features

High power

Self powered

Monitor & FOH presets

Ethernet Networking

PC remote controlled



## TOURING SELF-POWERED Series

### LM3-amp Specifications

#### ACOUSTICAL

Frequency response (1) ..... 55Hz - 180Hz  
Maximum peak SPL (2) ..... 140dB

#### TRANSDUCERS

Low frequency ..... 2 x 15 inch, ND ferrofluid cooled, long excursion  
low distortion cone driver

#### AMPLIFIER

Output power (low) (5) ..... 2'500W  
THD, DIM, SMPTE..... <0,05%

#### AUDIO INPUT

Type..... Analog Differential balanced input circuit  
Digital via EtherSound Network  
Connectors..... Female XLR; Male XLR loop  
Nominal impedance..... 10K ohm  
XLR wiring..... 1: GND, 2: positive, 3: negative

#### DSP

Sampling rate ..... 96Kz  
Basic delay ..... 0.76 ms  
Dynamic range ..... 115 dB

#### NETWORK

Type ..... Ethernet or Ethersound  
Connector ..... RJ45 female, RJ45 loop

#### AC power

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

#### MECHANICAL DATA

Enclosure: ..... 18mm plywood  
Finish ..... Black epoxy painted  
Dimensions (W x H x D) ..... 547 x 825 x 630mm  
Grill ..... Removable perforated 1,6mm steel, foam cover  
Weight ..... 55kg  
Rigging ..... Aircraft Rigging points, top and bottom

