

## TOURING SELF-POWERED Series

Self powered compact DSP controlled subwoofer system  
PC remote controlled with Networking

### Audio-Performance SUB3-amp

The SUB3-amp is a self powered subwoofer cabinet designed to extend the frequency range and power bandwidth of Audio Performance full-range loudspeaker systems. With a cut-off frequency of 32Hz, the SUB3-amp is made for applications where the reproduction of sub frequencies is of importance (music, sound effects). It consists of two long excursion 15-inch cone drivers mounted in a heavily braced vented enclosure.

The SUB3-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

Touring  
Concerthall  
Discotheques  
Sound effects

The SUB3-amp subwoofer system is ideal for any professional application requiring accurate low frequency reinforcement at high sound pressure levels

## Special Features

High power  
Self powered

32Hz cut-off frequency  
optimal LF coupling

Ethernet Networking

PC remote controlled



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**SUB3-amp Specifications**

**ACOUSTICAL**

Frequency response (1)..... 32Hz - 150Hz  
Max. peak SPL (2)..... 136dB

**TRANSDUCERS**

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

**AMPLIFIERS**

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

**AUDIO INPUT**

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

**DSP**

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

**NETWORK**

Type ..... Ethernet  
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**

Enclosure: ..... 18mm plywood  
Finish ..... Black epoxy painted  
Dimensions (W x H x D) ..... 870 x 536 x 536mm  
Grill ..... Removable perforated 1,6mm steel, foam cover  
Weight ..... 55.5 kg

