

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



TOURING SELF-POWERED Series

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

