

## SUBWOOFER Series

Self-Powered ultra high-SPL subwoofer for line array  
PC remote controlled with networking

**AUDIO**  
PERFORMANCE  
*power to perform*

### Audio-Performance SUB400-amp

The SUB400-amp is a compact, 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 25Hz, the SUB400-amp is made for applications where the reproduction of sub frequencies is of importance (music, sound effects). It consists of one long excursion 18-inch cone driver mounted in a heavily braced vented enclosure.

The SUB400-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 SUB400-amp subwoofer system is ideal for any professional application requiring accurate low frequency reinforcement at high sound pressure levels



## Special Features

Very high power  
Self powered

25Hz cut-off frequency  
optimal LF coupling

Ethernet  
Networking

PC remote controlled

## SUBWOOFER Series

### SUB400-amp Specifications

#### ACOUSTICAL

Frequency response (1) ..... 25Hz - 150Hz  
Maximum peak SPL (2) ..... 137dB

#### TRANSDUCERS

Low frequency ..... 1 x 18 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  
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 ..... 96KHz  
Basic delay ..... 0.76 ms  
Dynamic range ..... 115 dB

#### REMOTE / NETWORK

Type ..... PC and PodWare Software  
Connector ..... RJ45 female, RJ45 loop

#### AC power

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

#### MECHANICAL

Enclosure: ..... 18 & 24mm plywood  
Finish ..... Black epoxy painted  
Dimensions (W x H x D) ..... 603 x 536 x 760mm  
Grill ..... Removable perforated 1,6mm steel, foam cover  
Weight ..... 58Kg  
Rigging ..... Aircraft L-track fittings, sides

