

SUBWOOFER Series

Self-Powered compact, high power subwoofer

Audio-Performance SUB210-amp

The SUB210-amp is a compact, self powered subwoofer designed to extend the frequency range and power bandwidth of Audio Performance full-range loudspeaker systems. With a cut-off frequency of 28Hz, the SUB210-amp is made for applications where the reproduction of sub frequencies is of major importance (music, live sound). It consists of two long excursion 10-inch cone driver mounted in a heavily braced vented enclosure.

The SUB210-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.

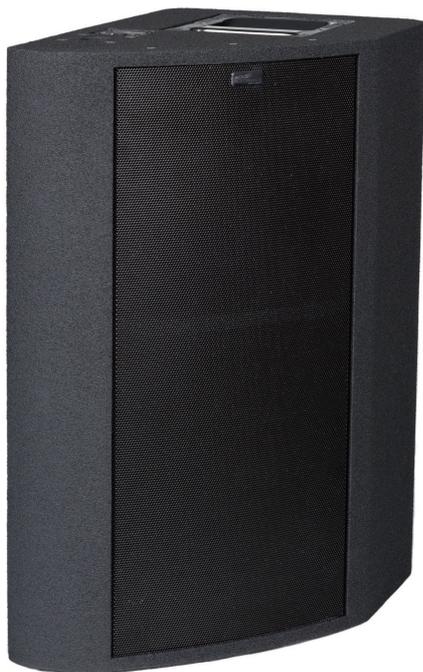
With an extraordinary average efficiency of 90%, the system is practically service free.

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

Live concert
Conference rooms
Discotheques
Sound effects

The SUB210-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

28Hz cut-off frequency

Extended LP filtering at
190Hz

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SUB210-amp Specifications

ACOUSTICAL

Frequency response (1)..... 28Hz - 190Hz
Maximum peak SPL (2) 133dB

TRANSDUCER

Low frequency 2 x 10 inch, ferrofluid cooled, long excursion cone driver

AMPLIFIERS

Output power (low) (5)..... 1'250W (EIAJ-1KHz, 1% THD)
Output power (sat) (5)..... 1'250W (EIAJ-1KHz, 1% THD)
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

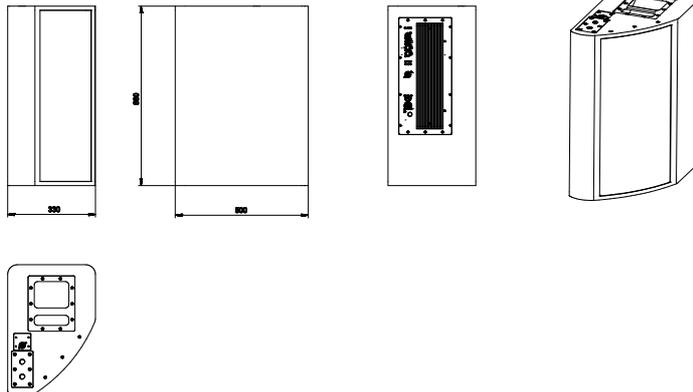
Type EtherNet
Connectors RJ45 female, RJ45 loop

AC power

Connector PowerCON TRUE1, in; PowerCON TRUE1, loop
Input voltage 115V - 230V nominal +/- 10%
Input voltage selection Automatic

MECHANICAL

Enclosure: 15mm plywood
Finish Black epoxy painted
Rigging M20 connecting plate
Dimensions (W x H x D) 330 x 680 x 500mm
Weight 28Kg



DRL_S210