

SUBWOOFER Series

Self-Powered compact, high power subwoofer

Audio-Performance SUB112-amp

The SUB112-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 45Hz, the SUB112-amp is made for applications where the reproduction of sub frequencies is of major importance (music, live sound). It consists of one long excursion 12-inch cone driver mounted in a heavily braced vented enclosure.

The SUB112-amp built-in electronics package features a new lightweight, two channel class D audio power amplifier designed specifically for Self-Powered products. The 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 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.

Four presets are available on the back of the subwoofer. Preset 1 is the full range, flat frequency response for one SUB112-amp and one DRL12. Presets 2, 3 & 4 increase the Subwoofer level by step of +2dB.

IDEAL FOR

Live concert
Conference rooms
Discotheques
Sound effects

The SUB112-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

45Hz cut-off frequency

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SUB112-amp Specifications

ACOUSTICAL

Frequency response (1)..... 45Hz - 120Hz
 Maximum peak SPL (2) 131dB

TRANSDUCER

Low frequency 1 x 12 inch, ferrofluid cooled, long excursion cone driver

AMPLIFIERS

Output power (low 1) (5)..... 1'250W (EIAJ-1KHz, 1% THD)
 Output power (low 2) (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 98KHz
 Basic delay 0.76 ms
 Dynamic range 115 dB

AC power

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

MECHANICAL

Enclosure: 15mm plywood
 Finish Black epoxy painted
 Front grills..... Hex punched, 1.6mm steel, black epoxy painted
 Rigging M20 connecting plate
 Dimensions (W x H x D) 450 x 450 x 618mm
 Weight 32Kg

