

## LINE ARRAY Series

Ultra high-SPL cardioid subwoofer for line array  
PC remote controlled with networking

## Audio-Performance SUB221-C-amp

The SUB221-C-amp is a high power compact cardioid subwoofer cabinet designed to allow a high attenuation between front & rear faces.

Equipped with two 21-inch ND drivers. One driver is placed in a front direct radiating position and a second in a rear sidefacing position to create a bandpass configuration.

With a cut-off frequency of 30 Hz, the SUB221-C-amp is made for applications where the reproduction of sub frequencies is important and where you have to minimize the rear emission in order to get a higher sound quality and avoid resonances and reflections. (cabinet close to walls or stage at the rear)

The SUB221-C-amp incorporates 1x D2SP class D power amplifiers modules capable of delivering more than 2x 1'250W RMS, with a DSP board managing Filtering, EQ, Delays, Excursion Protections and Algorithms.

A standard Ethernet (RJ45) connector allows to create ad-hoc networks with the help of dedicated software, providing bi-directional control and monitoring data in real time which eliminates the need for separate cables for the control and monitoring of equipment. The entire network can be configured, monitored and controlled from a single PC and PodWare software.



## DESIGNED FOR

Touring  
Concert hall  
Discotheques  
Sound effects

The SUB221-C-amp subwoofer system is ideal for any professional application requiring accurate low frequency reinforcement at high sound pressure levels

## Special Features

Very high power

Cardioid pattern

30Hz cut-off frequency

Optimal LF coupling

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SUB221-C-amp Specifications

**ACOUSTICAL**

Frequency response (1) ..... 30Hz - 120Hz  
Maximum peak SPL (2) ..... 140dB

**TRANSDUCERS**

Low frequency ..... 2 x 21 inch ND, ferrofluid cooled, long excursion low distortion cone driver

**AMPLIFIERS**

Output power (5) ..... 2x 1'250W 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: ..... 18mm plywood  
Finish ..... Black epoxy painted  
Dimensions (W x H x D) ..... 778 x 596 x 1'200mm  
Grill ..... Removable perforated 1,6mm steel, foam cover  
Weight ..... 105Kg  
Rigging ..... Optional



Polar diagram  
90°

