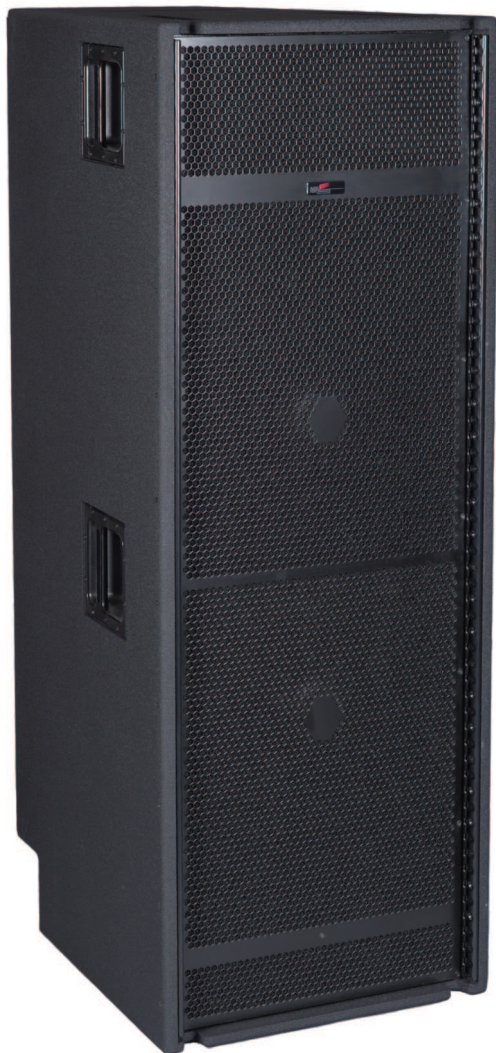


TOURING SELF-POWERED Series

Self powered high SPL horn loaded DSP loudspeaker system
PC remote controlled with Networking

Audio-Performance SL2-F-amp

The SL2-F-amp loudspeaker is a powered version of the SL2-F loudspeaker system which is a fully horn loaded cabinet made for application where directivity and power are of importance. The SL2-F-amp uses two proprietary 12 inch low frequency cone driver housed in a horn loaded enclosure and a 1,4 inch high frequency driver loaded with a 70° x 40° CD horn.



The SL2-F-amp is easily arrayable with its 8.5° trapezoidal shape and L-track rigging flying hardware.

The SL2-F-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

Touring
Concert halls
Clubs
Discotheques
Festivals

The SL2-F-amp is ideal for any professional touring or installation application requiring directivity control and high sound pressure levels

Special Features

Full-range

High efficiency

Long throw

Arrayable

Ethernet
Networking
PC remote controlled

TOURING SELF-POWERED Series

SL2-F-amp Specifications

ACOUSTICAL

| | |
|------------------------------|-------------------------|
| Frequency response(1)..... | 40Hz - 20KHz |
| Phase response | 350Hz - 10Khz + / - 45° |
| Max. peak SPL (2)..... | 146dB |
| Directivity H x V | 70° x 40° |
| Crossover frequency (3)..... | 980Hz |

TRANSDUCERS

| | |
|----------------------|--|
| Low frequency | 2 x 12 inch, ferrofluid cooled, long excursion |
| High frequency | 1 x 3 inch diaphragm, ferrofluid cooled compression driver, loaded with 70°x 40°CD horn. |

AMPLIFIER

| | |
|------------------------------|------------|
| Output power (low) (5)..... | 1'250W RSM |
| Output power (high) (5)..... | 1'250W RSM |
| THD, DIM, SMPTE | < 0,05% |

AUDIO INPUT

| | |
|-------------------------|--|
| Type | Analog differential balanced input circuit |
| Connectors | Female XLR; Male XLR loop |
| Nominal impedance | 10K Ohms |
| XLR wiring | 1: GND, 2: positive, 3: negative |

DSP

| | |
|---------------------|--------|
| Sampling rate | 96KHz |
| Basic delay | 0.76ms |
| Dynamic range | 115dB |

NETWORK

| | |
|------------------|------------------------|
| Type | EtherNet |
| Connectors | RJ45 female, RJ45 loop |

AC POWER

| | |
|---------------------|---|
| Connectors | Female Powercon, in; Male PowerCon loop |
| Input voltage | 115V - 230V nominal +/- 10% |

MECHANICAL

| | |
|------------------------------|--|
| Enclosure: | 15 & 18mm plywood |
| Finish | Black epoxy painted |
| Dimensions (W x H x D) | 564 x 1500 x 758mm |
| Grill | Removable perforated 1,6mm steel, foam cover |
| Weight | 118Kg |
| Rigging | Aircraft L-track fittings, front and back |

