

## TOURING SELF-POWERED Series

Self powered 3Way DSP controlled loudspeaker system  
PC remote controlled with Networking

### Audio-Performance SK-F-amp

The SK-F-amp loudspeaker is a powered version of the SK loudspeaker system which is a fully horn loaded compact cabinet made for application where directivity and power are of importance. The SK-F-amp uses a proprietary 12 inch low frequency cone driver, a 8 inch mid frequency cone driver and a 1 inch ND high frequency driver loaded with a CD horn. All drivers are mounted in the same horn to form a unique power source point with very precise directivity of 45°x 50° (H x V) down to 300 Hz.

The SK-F-amp is easily arrayable with its 9,5° trapezoidal shape and L-track rigging flying hardware.

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



## Special Features

High efficiency

Medium throw

Arrayable

Compact  
Self powered

Ethernet Networking

PC remote controlled

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SK-F-amp Specifications

**ACOUSTICAL**

Frequency response (1)..... 60Hz - 20KHz  
 Phase response ..... 350Hz - 10KHz +/- 45°  
 Max. peak SPL (2)..... 140dB  
 Directivity H x V ..... 45° x 50°  
 Crossover frequency (3)..... 600Hz (ative) & 3KHz (passive)

**TRANSDUCERS**

Low frequency ..... 1 x 12 inch, ferrofluid cooled, long excursion  
 Mid frequency ..... 1 x 8 inch, ferrofluid cooled, low distortion  
 High frequency ..... 1 x 2 inch diaphragm, ferrofluid cooled compression driver, loaded with CDhorn

**AMPLIFIERS**

Output power (low) (5)..... 1'250W RMS  
 Output power (mid- high) (5)..... 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

**NETWORK**

Type ..... Ethernet  
 Connector ..... RJ45 female, RJ45 loop

**AC power**

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

**MECHANICAL**

Enclosure: ..... 15 & 18mm plywood  
 Finish ..... Black epoxy painted  
 Dimensions (W x H x D) ..... 547 x 825 x 630mm  
 Grill ..... Removable perforated 1,6mm steel, foam cover  
 Weight ..... 52Kg  
 Rigging ..... Aircraft L-track fittings, front and back

