

## SCP-F

High-Output Sensor-  
Controlled Subwoofer



The SCP-F is a high-output sensor-controlled subwoofer operating in the range 25–120 Hz. The SCP-F complements AiRAY and ViRAY systems.

The SCP-F drivers contain an integrated velocity sensor that measures the diaphragm movement in real time, compares it with the input audio signal and adjusts the amplifier driving voltage and/or current, correcting any driver inaccuracy. The sensor creates a self-optimising, closed feedback-loop in which the driver confirms precisely the power it needs to accurately reproduce the original audio signal. The key advantage is a very extended and controlled response. Any distortion produced by the driver or the enclosure is instantly corrected by the feedback.

The SCP-F contains two 18" neodymium ultra-low distortion drivers. The 4" voice coils sustain an excursion of 40 mm peak to peak at a consistent magnetic force. This design has dramatically lower distortion than typical subwoofers at longer excursion distances.

This integrated solution ensures optimal performance and protection. Sensor-controlled technology surpasses conventional subwoofer designs by offering measurable and clearly audible advantages in the impulse response, group delay, waterfall, and distortion domains. The reduced group delay results in extremely accurate and musical bass reproduction. The sound quality is far higher than conventional port loaded systems.

SCP-F rigging is compatible with both AiRAY and ViRAY systems, and is designed to work exclusively with CODA Audio LINUS loudspeaker management amplifiers as an integrated solution for DSP and sensor control, amplification, network remote control, and diagnostic. This solution ensures optimal performance and protection.

### SCP-F Features

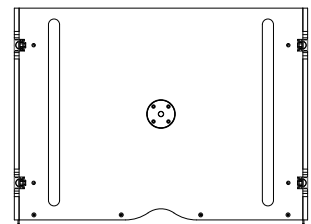
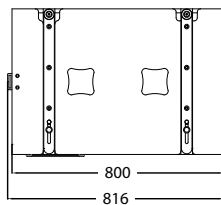
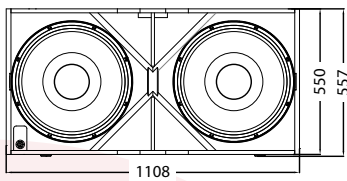
- ⊕ 2x 18" extreme high-excursion woofers with ultra low distortion
- ⊕ Extended frequency range extends down to 25 Hz (-6 dB)
- ⊕ Integrated velocity sensor measures the voice coil movement
- ⊕ Fast transient response. The upper and the ultra low frequency are time aligned
- ⊕ Rigging hardware for flown or ground-stacked arrays
- ⊕ Cardioid or omni-directional configurations
- ⊕ System integration with CODA Audio amplifiers

# SCP-F Data Sheet



Product type:	Sensor-controlled subwoofer
Dimensions (WxHxD):	1108 x 800 x 550 mm / 43.62 x 31.50 x 21.65 "
Dimensions including hardware (WxHxD):	1108 x 816 x 557 mm / 43.62 x 32.13 x 21.93 "
Net weight:	95 kg / 209.4 lbs
Frequency response:	25 Hz – 120 Hz (-6 dB)
Power handling AES / peak (passive):	3000 / 12000 W
- Low AES / peak:	N/A
- Mid / High AES / peak:	N/A
Max. peak SPL (with LINUS10):*	144 dB
Dispersion horizontal:	N/A
Dispersion vertical:	N/A
Components Low frequency:	Two 18-inch neodymium ultra-low-distortion woofers 4-inch (101.6 mm) voice coils; 1500 W (AES) each
Components Mid/High frequency:	
Crossover point:	N/A
Input connectors:	Two Neutrik™ NL4MP (rear) plus one Neutrik NL4MP (front)
Nominal impedance LF / MF+HF:	4 Ω (1+/1-)
Enclosure material:	Birch plywood
Suspension:	Flying hardware integrated

\*Measured with pink noise 6 dB crest factor. Half-space loading.



## Other System Related Products



### ViRAY

Compact, 3-Way Symmetrical  
Line Array System



### AiRAY

High Output Line Array System



### LINUS T-RACK

12-Channel Touring Rack

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