

SCP / SCP-F



SCP

High output sensor controlled subwoofer

- 2 x 18" extreme high excursion woofers
- The integrated velocity sensor measures the voice coil movement
- Extended frequency range to 25 Hz (-6 dB)
- Omni or cardioid configurations
- Ultra low distortion
- Fast transient response, the upper and the ultra low frequency are time aligned
- Optional rigging hardware for flown or ground-stacked arrays (SCP-F)
- System components: Coda Audio System Racks, AIRLINE LA8, AIRLINE LA8-SUB, G700-Series, CUE-Series

The Coda Audio award winning sensor controlled technology is extended with the SCP-Series subwoofers. Combining a closed feedback-loop control with large, low noise laminar flow ports the SCP subwoofer offers increased output and well controlled response. This technology surpasses that of conventional subwoofers offering measurable and clearly audible advantages in the impulse response, group delay, waterfall and the distortion domain. In fact the range 35 – 100 Hz is time aligned while the group delay increases slightly in the range 25 – 35 Hz. The reduced group delay results in extremely accurate and musical bass reproduction. The sound quality is far beyond that of conventional port loaded systems.

The SCP is a sensor controlled subwoofer incorporating double 18" woofers in a compact, vented enclosure. The 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. It is a self-optimizing, 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.

ACCESSORIES

DOT SCP	Transport dolly for up to 3 units SCP
DOT SCP-F	Transport dolly for up to 3 units SCP-F
CAH SCP-10	Hybrid speaker and sensor cable for SCP subwoofers, 10 m
CAH SCP-20	Hybrid speaker and sensor cable for SCP subwoofers, 20 m
CO SCP-1	Protection cover for single SCP
CO SCP-2	Protection cover for 2 units SCP
CO SCP-F-1	Protection cover for single SCP-F



Application: The SCP is perfectly suited as a subwoofer for AIRLINE LA8, G700-Series and CUE-Series, extending the system performance down to 25Hz. Typical applications are touring sound, theaters, houses of worship, dance clubs and live sound venues.

TECHNICAL SPECIFICATIONS SCP / SCP-F

Type:	Sensor controlled subwoofer
Application:	High output subwoofer
Frequency response:	25 Hz (-3 dB) to 120 Hz
Power handling (AES / peak):	3000 W / 12000 W
Sensitivity 1 W / 1 m:*	103 dB
Maximum output peak:**	144 dB
Components:	2 x 18" neodymium ultra low distortion woofers, 4" (101.6 mm) voice coil, 1500 W (AES) each
Nominal impedance:	4 Ohm, +1 / -1
Input connectors:	SCP: 2x Neutrik™ NL4MP SCP-F: 2x Neutrik™ NL4MP (rear), 1x Neutrik™ NL4MP (front)
Velocity sensors output:	SCP: 1x Neutrik™ NC3MAV SCP-F: 1x Neutrik™ NC3MAV (rear), 1x Neutrik™ NC3MAV (front)
Suspension:	optional flying hardware: SCP-F
Enclosure material:	Baltic birch
Finish:	Black Polyurea coating (water resistant)
Dimensions:	SCP: 1190 x 547 x 790 mm SCP-F: 1108 x 550 x 800 mm (1108 x 557 x 816 incl. hardware)
Net weight:	95 kg

* Half-space loading

** Measured with pink noise 6 dB crest factor