

SCP Data Sheet

SCP

*High Output 2x 18" Subwoofer
with Sensor Control Technology*



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 perfectly suited as a subwoofer for G700-Series, CUE-Series, AIRAY, CiRAY and ViRAY compact line array systems, extending the system performance down to 25 Hz. Typical applications are touring sound, theaters, houses of worship, dance clubs and live sound venues. It 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-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.

SCP Features

- ⊕ 2 x 18" extreme high excursion woofers
- ⊕ The integrated velocity sensor measures the voice coil movement
- ⊕ Extended frequency range to 25 Hz (-6 dB)
- ⊕ High power handling: 3000 W (AES)
- ⊕ Omni or cardioid configurations
- ⊕ Ultra low distortion - fast transient response. The upper and the ultra low frequency are time aligned
- ⊕ System integration with LINUS loudspeaker management amplifiers

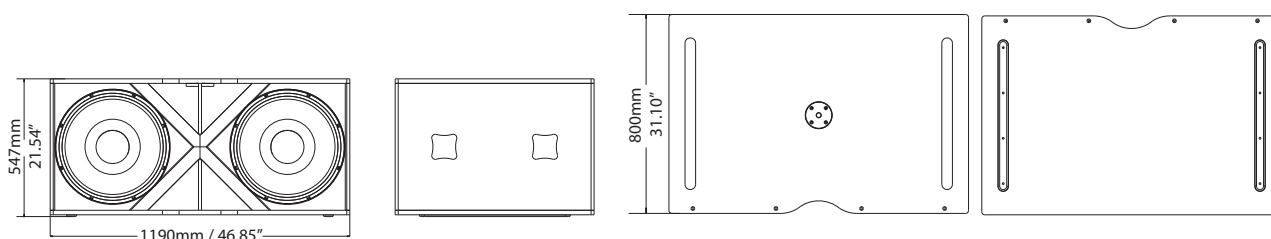


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Product type:	High Output Dual 18" Sensor Controlled Subwoofer
Frequency response:	25 Hz – 120 Hz (-6 dB)
Power handling AES / peak (passive):	3000 W / 12000 W
Sensitivity 1 W / 1 m:	103 dB
Max. output peak:*	144 dB
Amplification, cabinets per amplifier (Optimum / Maximum):	LINUS14: 4/4
Components:	2 x 18" neodymium ultra low distortion woofers 4" (101.6 mm) VC, 1500 W (AES) each
Input connectors:	2 x Neutrik™ NL4MP
Velocity sensors output:	1 x Neutrik™ NC3MAV
Nominal impedance:	4 Ω (1+/1-)
Enclosure material:	Birch plywood
Finish:	Polyurea black coating
Suspension:	M20
IP rating options (IEC 60529):	Standard IP54
Weatherproof protection options:	Standard IP55: IP55 (Amphenol connectors) MG1 (Marine Grade 1); IP55
Dimensions (WxHxD):	1190 x 547 x 800 mm / 46.85 x 21.54 x 31.1"
Net weight:	95 kg / 209.44 lbs

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



Other Related Products



AiRAY

High Output 3-way Bi-Amplified
Line Array System



CiRAY

High Output 3-way Passive
Line Array System



LINUS T-RACK

12-Channel DSP Amplifier
Rack

CODA AUDIO GmbH

Boulevard der EU 6, 30539 Hannover, Expo Park, Germany
E-Mail: contact@codaaudio.com Website: www.codaaudio.com

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