

SC2-F

Sensor-Controlled Bass
Extension for AiRAY and ViRAY



The SC2-F is a sensor-controlled bass extension system operating in the range 35–200 Hz. The SC2-F complements AiRAY and ViRAY systems paired with SCV/SCP subwoofers, overlapping the low range to provide more energy and control in the lower range.

SC2-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.

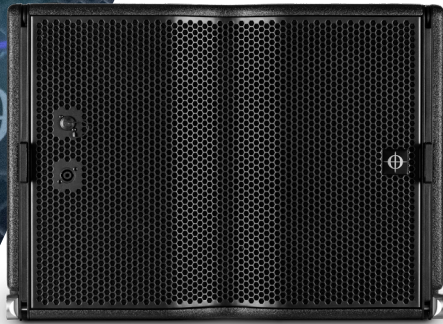
This integrated solution ensures optimal performance and protection. Sensor-controlled technology surpasses conventional subwoofer designs by offering measurable and clearly audible advantages in the impulse response, group delay, waterfall, and distortion domains. The reduced group delay results in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

SC2-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.

SC2-F Features

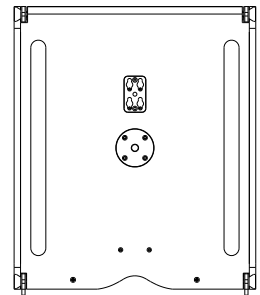
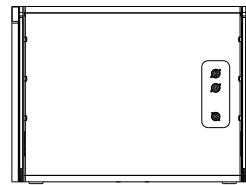
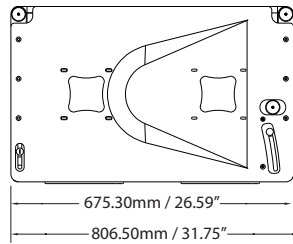
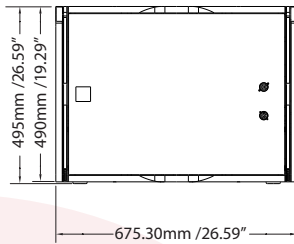
- ⊕ Compact 2x 15" sensor-controlled bass extension
- ⊕ Extended frequency range 35–200 Hz (-6 dB)
- ⊕ Self-correcting sensor control ensures extremely fast transient response and ultra-low distortion
- ⊕ Flyable or ground-stackable in cardioid or omni-directional configurations
- ⊕ Rigging is compatible with AiRAY, ViRAY and SCV-F
- ⊕ SC2-F arrays can be curved for perfect time-alignment with ViRAY
- ⊕ System integration with CODA Audio amplifiers

SC2-F Data Sheet



Product type:	Sensor-controlled bass extension for AiRAY and ViRAY
Dimensions (WxHxD):	675.3 x 490 x 790 mm / 26.59 x 19.29 x 31.1"
Dimensions including hardware (WxHxD):	675.3 x 495 x 806.5 mm / 26.59 x 19.49 x 31.75"
Net weight:	70 kg / 154.32 lbs
Frequency response:	35 Hz – 200 Hz (-6 dB)
Power handling AES / peak (passive):	2500 / 10000 W
- Low AES / peak:	N/A
- Mid / High AES / peak:	N/A
Max. peak SPL (with LINUS10):*	143 dB
Dispersion horizontal:	N/A
Dispersion vertical:	
Components Low frequency:	Two 15-inch neodymium ultra-low-distortion woofers 4-inch (101.6 mm) voice coils; 1250 W (AES) each
Components Mid/High frequency:	N/A
Crossover point:	N/A
Input connectors:	N/A
Nominal impedance LF / MF+HF:	4 Ω (1+/1-)
Enclosure material:	Birch plywood
Suspension:	Flying hardware integrated, allows curving (0°, 2.5°, 5°)

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



Other SC2-F System Products



ViRAY

Compact, 3-Way Symmetrical
Line Array System



AiRAY

High Output Line Array System



LINUS14/14D

4-Channel Loudspeaker
Management Amplifier

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