

SC2-F

Dual 15" Bass Extension with
Sensor Control Technology
for AiRAY, CiRAY and ViRAY



The SC2-F is a sensor controlled bass extension system operating in the range 35–200 Hz. The SC2-F complements AiRAY, CiRAY 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 selfoptimising, 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.

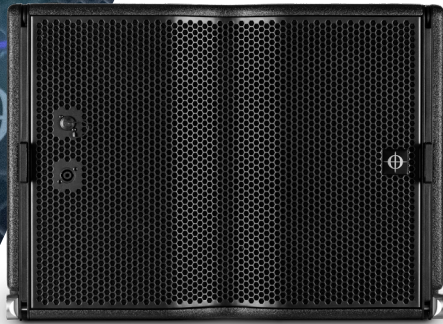
This integrated solution ensures optimal performance and protection. Sensor-controlled technology surpasses conventional subwoofer designs by offering measurable and clearly audible advantages in the impulse response, group delay, waterfall, and distortion domains. The reduced group delay results in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

SC2-F rigging is compatible with AiRAY, CiRAY 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

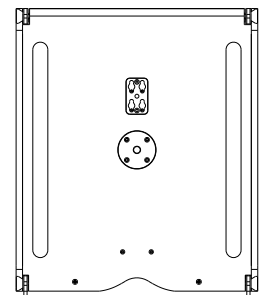
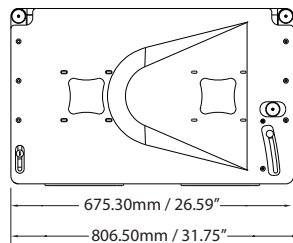
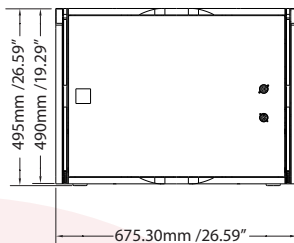
- ⊕ Compact dual 15" sensor controlled bass extension
- ⊕ Extended frequency range: 35–200 Hz (-6 dB)
- ⊕ High power handling: 2500 W (AES)
- ⊕ Self-correcting sensor control ensures extremely fast transient response and ultra-low distortion
- ⊕ Flyable or ground-stackable in cardioid or omnidirectional configurations
- ⊕ Rigging is compatible with AiRAY, CiRAY, ViRAY and SCV-F
- ⊕ System integration with LINUS Loudspeaker Management Amplifiers

SC2-F Data Sheet



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| Product type: | Dual 15" bass extension with Sensor Control Technology for AiRAY, CiRAY and ViRAY |
| Frequency response: | 35 Hz – 200 Hz (-6 dB) |
| Power handling AES / peak (passive): | 2500 / 10000 W |
| Sensitivity 1 W / 1m.* | 103 dB |
| Max. output peak: | 143 dB |
| Amplification, cabinets per amplifier (Optimum / Maximum): | LINUS14: 4/4 |
| Components: | 2x 15" neodymium ultra-low distortion woofers 4" (101.6 mm) VC, 1250 W (AES) each |
| Input connectors: | 2x Neutrik™ NL4MP (rear) + 1x Neutrik™ NL4MP (front) |
| Velocity sensors output: | 1x Neutrik™ NC3MAV (rear) + 1x Neutrik™ NC3MAV (front) |
| Nominal impedance: | 4 Ω (1+/1-) |
| Enclosure material: | Birch plywood |
| Finish: | Polyurea coating |
| Suspension: | Flying hardware integrated, allows curving (0°, 2.5°, 5°) |
| IP rating options (IEC 60529): | Standard IP54 |
| Weatherproof protection options: | Standard IP55: IP55 (Amphenol connectors) MG1 (Marine Grade 1): IP55 |
| Dimensions (WxHxD): | 675 x 490 x 790 mm / 26.57 x 19.29 x 31.1" 675 x 495 x 806.5 mm / 26.57 x 19.49 x 31.75" (incl. hardware) |
| Net weight: | 72 kg / 158.73 lbs |

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



Other SC2-F System 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

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