

## SCV-F



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Compact 18" sensor controlled subwoofer

- Flyable or ground stackable in cardio or omni configurations
- Rigging is compatible to ViRAY
- Subwoofer arrays can be curved for perfect time alignment with ViRAY
- Coda amplifier comparators provide integrated power and feedback loop control solution
- System components: LINUS RACKs, ViRAY, SC2-F

Coda Audio's award winning sensor controlled technology is extended with the compact SCV-F subwoofer. Combining a closed feedback-loop control with large, low noise laminar flow ports the SCV-F subwoofer offers increased output and well controlled response. This technology goes ahead 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 conventional port loaded systems.

The 18" long excursion driver contains 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.

### Application

Primarily designed for integration into the ViRAY line arrays, the SCV-F is also suited for a variety of applications in touring and installations where compact size, high precision, deep bass with directivity control is needed.

## TECHNICAL SPECIFICATIONS SCV-F

Type:	Sensor controlled subwoofer
Application:	Compact subwoofer
Frequency response:	25Hz (-6dB)
Power handling (AES / peak):	1500 W / 6000 W
Sensitivity 1 W / 1 m:*	97 dB
Maximum output peak:**	138 dB
Components:	18" neodymium ultra low distortion woofer 4" (101.6 mm) voice coil, 1500 W (AES) each
Nominal impedance:	8 Ohm, +1 / -1
Cabinets per channel C10:	3 or 4***
Input connectors:	2x Neutrik™ NL4MP (rear) + 1x Neutrik™ NL4MP (front)
Velocity sensors output:	Neutrik™ NC3MAV (rear) + Neutrik™ NC3MAV (front)
Suspension:	Yes, allows curving (0°, 2,5°, 5°)
Enclosure material:	Baltic birch
Finish:	Polyurea coating (water resistant)
Dimensions (W x D x H):	674 x 490 x 790 mm
Net weight:	57 kg

\* Half-space loading

\*\* Measured with pink noise 6 dB crest factor

\*\*\* In cardio mode where channel A drives up to 4 SCV-F while channel B drives 2 SCV

## ACCESSORIES SCV-F

FR-VR	Heavy duty frame for flying or ground stacking ViRAY and SCV-F
EXBAR-VR	Extension bar for FR-VR frame
TILT-VR	Tilting legs for ground stacking ViRAY/SCV-F on FR-VR
SH-VR	Shackle for FR-VR
DOL-SCV	Front dolly for single SCV-F
DOT-SCV	Transport dolly for up to 4 x SCV-F
CO SCV	Protection cover for single SCV-F
CO SCV-3	Protection cover for 3x SCV-F
CAH SCP-10	Hybrid speaker and sensor system cable 10m 1xNL4 Speakon® + 1x 5-PolXLR-M 2xNL4 Speakon® + 2x 3-PolXLR-F
CAH SCP-20	Hybrid speaker and sensor system cable 20m 1xNL4 Speakon® + 1x 5-PolXLR-M 2xNL4 Speakon® + 2x 3-PolXLR-F
CAL4SP-1.5	4-Pole loudspeaker cable, 4x4 mm <sup>2</sup> 1,5m 1xNL4 Speakon®
CAL4SP-0.75	4-Pole loudspeaker cable, 4x4 mm <sup>2</sup> 0.75m 1xNL4 Speakon®

## RIGGING POSSIBILITIES

