

SCV-F Data Sheet

SCV-F

Compact 18" Subwoofer
with Sensor Control Technology



What's particularly smart about these subs is the fact they are sensor controlled, which means they're way ahead of the field from the offset: these speakers are capable of delivering measurable and very audible advantages in impulse response, group delay, waterfall, and the distortion domain.

At the core of SCV-F (which works in cardio or omni mode) is its very efficient, high output 18" long neodymium excursion woofer, which provides a completely flat response down to 25 Hz (-6 dB), and hardly any distortion at all.

SCV-F Features

- ⊕ Compact 18" sensor controlled subwoofer
- ⊕ Extended frequency range down to 25 Hz (-6 dB)
- ⊕ The feedback loop control ensures extreme fast transient response and ultra low distortion
- ⊕ Flyable or ground stackable in cardio or omni configurations
- ⊕ Rigging is compatible to AiRAY and ViRAY
- ⊕ Subwoofer arrays can be curved for perfect time alignment with AiRAY and ViRAY
- ⊕ System integration with LINUS Loudspeaker Management Amplifiers

SCV-F has a built in 'velocity sensor' within its 18" driver, which measures the exact movement of the voice coil by sending information over XLR cable to the Comparator about velocity, excursion, and speed of the voice coil itself. In turn, the Comparator then compares the original input signal to the movement measurement from the 'velocity sensor', and adjusts the amplifier driving voltage and/or current, so the diaphragm can move the way it should move. The Comparator brings Total Harmonic Distortion (THD) down by a massive 80-90%.

SCV-F was primarily designed to be the perfect LF extension to CODA's line arrays, though it is also suited for a variety of applications in touring and installations, particularly where small footprint, pristine sonic coverage, and controllable bass are paramount.

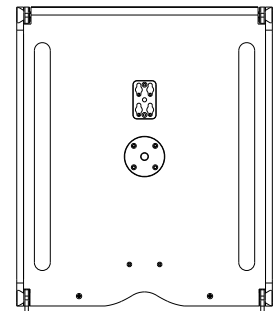
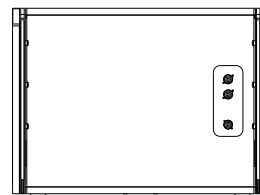
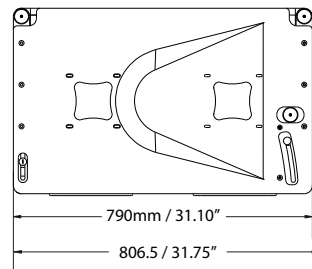
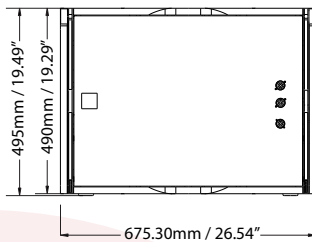


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Product type:	Compact 18" Subwoofer with Sensor Control Technology
Frequency response:	25 Hz - 150 Hz (-6 dB)
Power handling AES / peak (passive):	1500 W / 6000 W
Sensitivity 1 W / 1 m:*	100 dB
Max. output peak:*	138 dB
Amplification, cabinets per amplifier: (Optimum / Maximum)	LINUS14D: 8/12
Components:	18" Nd ultra low distortion woofer, 4" (101.6 mm) VC, 1500 W (AES) each
Input connectors:	2 x Neutrik™ NL4MP (rear) + 2 x Neutrik™ NL4MP (front)
Velocity sensors output:	1x Neutrik™ NC3MAV (rear) + 1x Neutrik™ NC3MAV (front)
Nominal impedance:	8 Ω (1+/1-)
Enclosure material:	Birch plywood
Finish:	Polyurea black 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):	675.3 x 490 x 790 mm / 26.59 x 19.29 x 31.1" 675.3 x 495 x 806.5 mm / 26.59 x 19.49 x 31.75" (incl. hardware)
Net weight:	57 kg / 125.66 lbs

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



Other SCV-F System Products



ViRAY

Compact 3-way
Line Array System



SC2-F

Dual 15" Bass Extension
with SC Technology



LINUS14/14D

4-Channel Loudspeaker
Management Amplifier

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