

## SCV-F

Compact 18" Sensor  
Controlled Subwoofer



The CODA Audio 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.

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) are its very efficient, high output double 18-inch long neodymium excursion woofers, which provide a completely flat response down to 20 Hz (-6 dB), and hardly any distortion at all. Then, the unique driver capabilities: SCV-F has a built in 'velocity sensor' within its 18-inch 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%, which means this speaker can be modified without any equalizer or high pass filters: the Comparator not only compensates for the non-linearities of the speaker, but the frequency response as well.

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.

### SCV-F Features

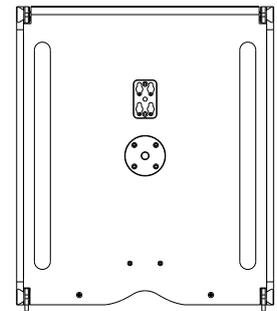
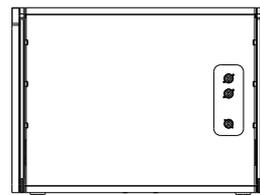
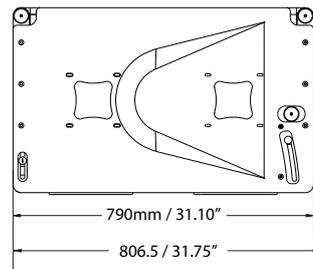
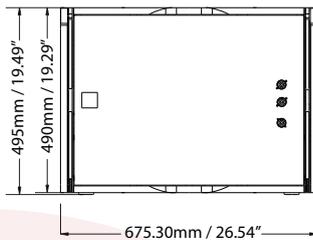
- ⊕ Compact 18" sensor controlled subwoofer
- ⊕ Extended frequency range down to 25 Hz (-6 dB)
- ⊕ The feedback loop control ensures extreme fast transient response and ultra low distortion
- ⊕ Flyable or ground stackable in cardio or omni configurations
- ⊕ Rigging is compatible to AiRAY and ViRAY
- ⊕ Subwoofer arrays can be curved for perfect time alignment with AiRAY and ViRAY
- ⊕ LINUS14/14D and LINUS10 DSP-amplifier and comparator provides integrated power and feedback loop control solution

# SCV-F Data Sheet



Product type:	Sensor controlled sub
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:	57 kg / 125.66 lbs
Frequency response:	25 Hz - 150 Hz (-6 dB)
Power handling AES / peak (passive):	1500 W / 6000 W
- Low AES / peak:	N/A
- Mid / High AES / peak:	N/A
Max. peak SPL (with LINUS10):*	138 dB
Dispersion horizontal:	N/A
Dispersion vertical:	N/A
Components Low frequency:	18" Nd ultra low distortion woofer, 4" (101.6 mm) VC, 1500 W (AES) each
Components Mid/High frequency:	N/A
Crossover point:	N/A
Input connectors:	2x Neutrik™NL4MP (rear) +1 x Neutrik™NL4MP (front)
Nominal impedance LF / MF+HF:	8 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 SCV-F System Products



### ViRAY

Compact, 3-Way Symmetrical  
Line Array System



### SC2-F

Sensor Controlled  
Bass Extension



### LINUS14/14D

4-Channel Loudspeaker  
Management Amplifier

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