

SC8

- 4 x Coda Audio 18" extreme high output subwoofer
- Velocity sensors for feedback loop control
- Extended frequency range down to 25 Hz
- Ultra low distortion
- Fast transient response, the upper bass and the ultra low frequency are time aligned
- Cardio, Hypercardio or Omni directional mode
- Optional rigging hardware for flown or ground-stacked arrays
- Reduced truck space for reduces labor and transport costs

SC8 key technologies:

The advanced design aligns several new technologies for outstanding performance.

- Feedback loop control - ultra low distortion
- Sealed enclosure - superior transient and phase response
- Versatile pattern control - Cardio or Omni mode in one cabinet
- Long excursion drivers with integrated velocity sensor

The SC8 subwoofer

Description: Sensor controlled subwoofer with versatile directional characteristic incorporating four 18" long-excursion woofers in sealed enclosure.

Main advantages of the Feedback Loop Comparator:

Total Harmonic Distortion is reduced significantly

About 20 dB less distortion at 20 Hz compared to the cabinet without velocity sensor.

Extended Frequency response

The SC8 subwoofer provides perfectly flat response down to 15 Hz and very high output and low distortion. No high pass filters or equalizers are required.

Reduced group delay

The upper bass and the very low frequency are time aligned resulting in extremely accurate and musical bass reproduction.

Transducers

The SC8 is equipped with four extremely long excursion 18" neodymium ultra low distortion woofers with integrated velocity sensor that measure, compare and control cone movements. The 4" voice coil is 50 mm high, ensuring ultra linear excursion of 40 mm / pp. State-of-the-art carbon-fiber cone guarantee maximum stiffness and low moving mass.

Directivity

The SC8 can be configured for different polar patterns: Cardio / Hypercardio or Omni directional when the cabinet is rotated at 90°.

Applications:

The SC8 subwoofer is perfect suited not only as a sub-extension for AIRLINE LA12, but for general use in arenas, houses of worship, theatres, clubs and open air.



System Components:

C10 Amplifier with built in Comparator
AIRLINE LA12

DNC260 Digital controller

Amplifier 1 x 2100 W @ 4 Ohm (per channel)

Accessories:

Frame: FR122 Frame (SC8F only), Dolly: DOTSC8, Cover: CO SC8

TECHNICAL SPECIFICATIONS:

Type:	Sensor controlled Cardio / Omni subwoofer
Application:	High output subwoofer
Frequency response:	25 Hz (-3 dB)
Power handling (AES / Peak):	6000 W / 24000 W
Sensitivity 1 W / 1m: ¹	106 dB @ 50 Hz
Maximum output peak: ²	150 dB
Components:	4 x 18" neodymium ultra low distortion woofers 4" (101.6 mm) voice coil, 1500 W (AES) each
Front:	2 x 18"
Rear:	2 x 18"
Nominal impedance:	Front: 4 Ohm +-1, Rear: 4 Ohm +-2
Input connectors:	2 x Neutrik™ NL4MP
Velocity sensors output:	1 x Neutrik™ NC5MDL1
Suspension:	optional flying hardware (compatible to AIRLINE LA12 Frame)
Enclosure material:	Baltic birch
Finish:	Textured black Paint
Dimensions:	1108 x 540 x 982 mm
Net weight SC8:	117 kg
Net weight SC8F:	129 kg

¹ Half-space loading

² Measured with pink noise 6 dB crest factor