

SC8

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Sensor controlled subwoofer
with versatile pattern control



- 4 x Coda Audio 18" extreme high output subwoofer
- Velocity sensors for feedback loop control
- Extended frequency range down to 20Hz (-6 dB), 25 Hz (-3dB)
- 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 reduced labor and transport costs

- System components: RC40 Rack, AIRLINE LA12 / RC20 Rack, AIRLINE LA8

The SC8 subwoofer

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

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

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 25 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.

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.

TECHNICAL SPECIFICATIONS SC8 / SC8F

Type:	Sensor controlled Cardio / Omni subwoofer
Application:	High output subwoofer
Frequency response:	25 Hz (-6 dB)
Power handling (AES / Peak):	6000 W / 24000 W
Sensitivity 1 W / 1m:*	106 dB @ 50 Hz
Maximum output peak:**	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 +-1
Input connectors:	2 x Neutrik™ NL4MP
Velocity sensors output:	1 x Neutrik™ NC5MDL1
Suspension:	optional flying hardware: SC8F (compatible to AIRLINE LA12 Frame)
Enclosure material:	Baltic birch
Finish:	Textured black Paint
Dimensions:	1108 x 540 x 982 mm
Net weight SC8:	120 kg
Net weight SC8F:	133 kg

* Half-space loading

** Measured with pink noise 6 dB crest factor

ACCESSORIES

FR122	Compact frame for flying or ground stacking AIRLINE LA12 and/or SC8F in cardio mode
FR002	Upgrade kit FR120 to FR122
DOT SC8	Transport dolly for up to 3 units SC8 / SC8F
CAH SC-20	Hybrid speaker and sensor system cable for SC subwoofers, 20 m
CAL4SP-1.5	4-pole loudspeaker cable, 8x4 mm, 1.5 m
CO SC8	Protection cover for single SC8 / SC8F
CO SC8x2	Protection cover for 2x SC8 / SC8F