

COX 8A

Active coaxial point source

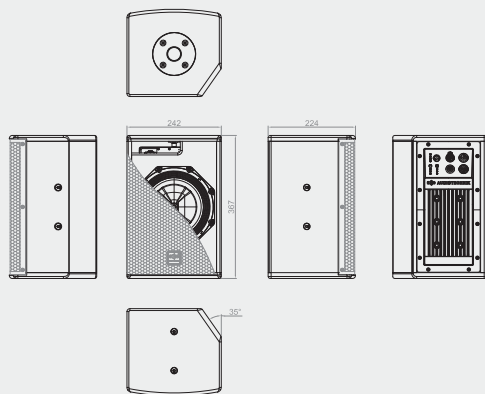
PRODUCT FEATURES

- Compact multi-purpose active coaxial speaker
- Equipped with 1000 W Class D amplifier and low-noise DSP
- Three presets for different usage scenarios
- Analog and digital signal input options
- 120° x 100° coverage pattern (rotatable)
- Available in black and white

APPLICATIONS

COX Series is widely suitable for fixed installations in theaters, government and corporate events, concert halls, and places of worship, as well as for live sound reinforcement in bars and clubs. It also serves applications such as small stage monitoring and front fill. This series is the ultimate choice for high-end standalone and distributed sound reinforcement needs.

PRODUCT DRAWING



PRODUCT DESCRIPTION

The COX 8A is a compact active coaxial two-way loudspeaker, equipped with an 8" LF / 1" exit HF coaxial driver. It offers a wide coverage area at close range and can be rotated to change the horizontal or vertical coverage. The coaxial design brings the LF and HF sections into a coincident "point source", eliminating the off-axis frequency response variations associated with non-coaxial designs. Its compact size in no way compromises its powerful output capability and excellent fidelity.

As a self-powered speaker, the COX 8A features a built-in two-channel Class D amplifier delivering up to 500 W LF + 500 W HF to the drive units. The integrated DSP offers three presets for different installation positions, making it easy to adjust according to the acoustic environment, ensuring a consistently excellent listening experience. Following SE's familiar plug-and-play design, the COX 8A supports analogue or AES digital audio input and loop-through. Its switch-mode power supply automatically adapts to global mains voltages from 100-240 V, 50/60 Hz, and includes short-circuit, over-temperature, and over-current protection.

As a standalone speaker, the COX 8A offers a wide variety of flexible rigging and mounting options, making it suitable for many professional applications — from small- to medium-scale sound reinforcement systems, AV presentations, hospitality venues, as well as distributed front-fill under balconies, compact stage monitors, and more.

SAFETY NOTE Please observe the operating instructions as well as the applicable regulation-sand rules for safe use and operation.

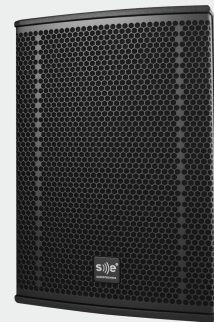
¹ Measured with the FLAT preset

² Measured with 12 dB Crest factor Pink Noise, 1m, whole space

³ Total power value is the sum of all individual channel output power

⁴ According to IHF-A-202 Standard

All product specifications are subject to change without notice.



SPECIFICATIONS

ACOUSTICAL	
Frequency range (-3 dB) ¹	80 Hz - 17 kHz
Frequency range (-10 dB) ¹	66 Hz - 20 kHz
Coverage angles [H x V]	120° x 100°
Maximum Peak SPL ²	123 dB
System type	2-way
Crossover frequency	1.7 kHz
Transducers	LF: 1 x 8" drivers (2" voice coil) HF: 1 x 1" compression driver (1.75" voice coil)
Enclosure type	Vented box
AMPLIFICATION	
Type	2 channel, class-D with SMPS
Total power ³	1000 W
Output power ⁴	LF: 500 W/HF: 500 W
Protection	Short circuit, overheating, overcurrent
Connectors	Input signal: balanced XLR 3-pin female Link output: balanced XLR 3-pin male Power input: powerCON® 20A Power link output: powerCON® 20A
Wiring	Pin layout XLR: Pin 2: Signal+; Pin 3: Signal-; Pin 1: Shield Pin layout powerCON®: Pin N: Neutral; Pin L: Conductor; Pin E: Earth, Ground
Operating voltage range	MAINS IN: 100-120V~/50-60 Hz, 20 A MAX./2.6 A UNIT 220-240V~/50-60 Hz, 16 A MAX./1.3 A UNIT MAINS OUT: 100-120V~/50-60 Hz, 17.4 A MAX 220-240V~/50-60 Hz, 14.7 A MAX
Input sensitivity	0 dBu
DSP	96 kHz/24 bit with extended dynamics Processing latency: 1.1 ms
Processing	Crossover, Limiter, EQ, Level, Low noise AD-DA
User controls	8-position level control (-10, -6, -5, -4, -3, -2, -1, 0) 3-position switch for EQ setting: FLAT, WALL, SAT Input signal mode: Analog, AES Digital (A, B, A+B)
MECHANICAL	
Product dimensions [H x W x D]	367 x 242 x 224 mm
Net weight	10.2 kg
Packaging dimensions [H x W x D]	550 x 321 x 303 mm
Total weight	12.2 kg
Cabinet	15 mm plywood
Cabinet finishing	black or white polyurea coating
Grille	Powder coated perforated steel with acoustic and dust-proof fabric
Hardware	12 x M8 rigging points 1 x 36 mm pole mounting hole
ACCESSORIES	
Wall Mounting Bracket	WMB75