

COX 12A

Active coaxial point source

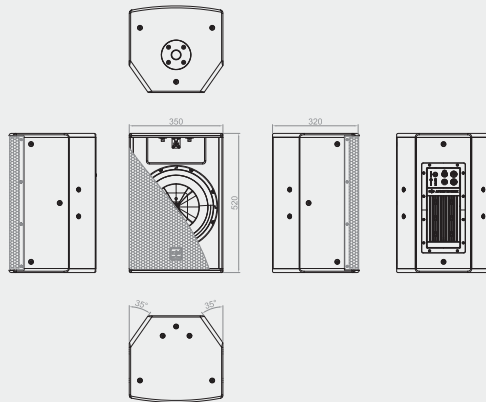
PRODUCT FEATURES

- High-performance 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
- 100° x 80° 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

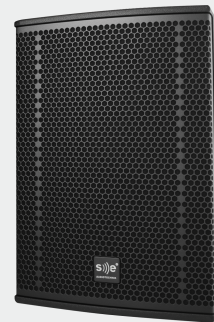
The COX 12A is a high-performance active coaxial two-way loudspeaker designed for compact professional applications requiring high output level and exceptional sound quality. It is equipped with a 12" LF / 1" exit HF coaxial driver, offering wide coverage at close range, and can be rotated to change the horizontal or vertical coverage. The coaxial design brings the LF and HF sections into a coincident "point source", eliminating off-axis frequency response variations associated with non-coaxial designs, while achieving a peak SPL of 129 dB.

As a self-powered speaker, the COX 12A 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 – meeting the low-frequency demands of various applications while ensuring a consistently excellent listening experience. Following SE's familiar plug-and-play design, the COX 12A 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 12A offers a wide variety of flexible rigging and mounting options, making it suitable for many professional small- to medium-scale systems – from AV presentations to theatres, concert halls to hotels and other commercial venues, as well as stage monitoring. It is the ideal solution for high-end stand-alone and distributed sound reinforcement needs.

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 IEC-A-202 Standard
 All product specifications are subject to change without notice.



SPECIFICATIONS

ACOUSTICAL	
Frequency range (-3 dB) ¹	67 Hz - 17 kHz
Frequency range (-10 dB) ¹	57 Hz - 20 kHz
Coverage angles [H x V]	100° x 80°
Maximum Peak SPL ²	129 dB
System type	2-way
Crossover frequency	1.3 kHz
Transducers	LF: 1 x 12" drivers (3" 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]	520 x 350 x 320 mm
Net weight	18.9 kg
Packaging dimensions [H x W x D]	633 x 450 x 420 mm
Total weight	20.8 kg
Cabinet	15 mm plywood
Cabinet finishing	black or white polyurea coating
Grille	Powder-coated perforated steel with acoustic and dust-proof fabric
Hardware	20 x M8 rigging points 1 x 36 mm pole mounting hole
ACCESSORIES	
Wall Mounting Bracket	COX 12 MKII WB