AUDIOTECHNIK

PX 12A

Active coaxial point source



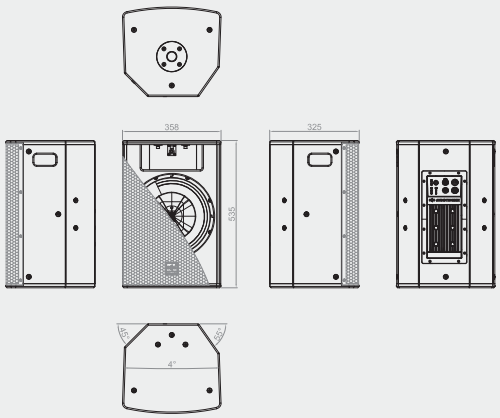
PRODUCT FEATURES

- 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)

APPLICATIONS

Thanks to its plug-and-play design, compact construction, and flexible connection options, the PX series can be widely applied in many small- to medium-scale portable sound reinforcement applications — including live performances, exhibition sound reinforcement, distributed fill, and stage monitoring, making it a reliable choice for modern audio applications.

PRODUCT DRAWING



PRODUCT DESCRIPTION

The PX 12A is a high-performance active coaxial two-way loudspeaker, designed for compact professional applications that demand high output levels and exceptional sound quality. Equipped with a 12" 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. With a peak SPL of 129 dB, it is an ideal solution for many high-end standalone and distributed sound reinforcement needs.

As a self-powered speaker, the PX 12A features a built-in two-channel Class D amplifier delivering up to 500 W LF + 500 W HF to the drive units. Following SE's familiar plug-and-play design, the PX 12A supports analogue or AES digital audio input and loop-through. The built-in scene presets can meet the low-frequency demands of different environments, ensuring a consistently excellent listening experience. 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.

Thanks to its rugged yet lightweight design and flexible connection options, the PX 12A can be widely applied in many small- to medium-scale portable sound reinforcement applications — including exhibition sound reinforcement, distributed fill, and stage monitoring, making it a reliable choice for modern audio applications.

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]	67 Hz - 17 kHz
Frequency range (-6 dB)[1]	62 Hz - 19 kHz
Coverage angles (-6 dB) [HxV]	100° x 80°
Maximum Peak SPL[2]	129 dB
System type	2-way,self-powered
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]	535 x 358 x 325 mm
Net weight	18.8 kg
Packaging dimensions [H x W x D]	648 x 460 x 425 mm
Total weight	20.6 kg
Cabinet	15 mm plywood
Cabinet finishing	Black polyurea coating
Grille	Powder coated perforated steel with acoustic and dust-proof fabric
Hardware	20 x M8 rigging points 2 x wooden handle 1 x 36 mm pole mounting hole
ACCESSORIES	
Wall Mounting Bracket	se PX 12A WB
Flight Case	se PX 12A FC

Version 2026/09

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