

EC12

PRODUCT FEATURES

- Self-powered column system
- Plug & play setup
- Columns can be wall mounted
- Bluetooth® audio streaming
- True Wireless Stereo (TWS)
- Multicell waveguide, optimized for near and far field
- Low digital signal processing noise
- Aluminum column housing
- Polyurea-coated subwoofer cabinet

SPECIFICATIONS

ACOUSTICAL	
Frequency range (-3 dB)¹	47 Hz - 17 kHz
Frequency range (-10 dB)¹	39 Hz - 20 kHz
Coverage angles (-6 dB) [H x V]	130° x 20°
Maximum Peak SPL²	136 dB
Continuous Maximum SPL²	124 dB
System type	3-way, self-powered
Crossover frequency	LF:100 Hz, MF:130 Hz, 2.5kHz, HF:2.5 kHz
Transducers	1 x 12" woofer with 2.5" voice coil 12 x 3.5" low-mid driver with 1" voice coil 4 x 0.5" compression driver with 1" voice coil
Enclosure type	Subwoofer: bass reflex cabinet Columns (LF/MF): closed (sealed) cabinet Columns (HF): multicell waveguide
AMPLIFICATION	
Type	Class-D with SMPS
Total power³	1000 W
Output power per channel⁴	LF: 500 W, MF: 250 W, HF: 250 W
Protection	Short circuit, Overheating, Overcurrent, Limiter
Indicators	ON (green), SIGNAL (green), LIMIT (red), PROTECT (red), BT PAIRING (blue), BT-TWS (blue)
Connectors	Line input: 1 x XLR-combo, balanced Line output: 1 x XLR male, balanced, buffered Output interface: 1 x speakON® NL-4 Power connector: IEC C14
Wiring	Pin layout XLR: Pin 2: Signal+; Pin 3: Signal-; Pin 1: Shield Pin layout TRS: Tip: Signal+; Ring: Signal-; Shaft: Shield Pin layout IEC C14: Pin N: Neutral; Pin L: Conductor; Pin E: Earth, Ground
Operating voltage range	100 - 120 V~ / 50 - 60 Hz, 8A, 800 W max. 220 - 240 V~ / 50 - 60 Hz, 4A, 800 W max.
Input sensitivity	0 dBu
DSP	48 kHz/24 Bit with extended dynamics Processing latency: 1.1 ms
Connectivity	Bluetooth® V.5.0 Profile: A2DP v1.3.1, AVRCP v1.6 A2DP codec : SBC, aptX, aptXHD Bluetooth® TWS
Processing	Crossover, Limiter, EQ, Level, low noise AD-DA
User controls	1 x power on/off switch 2 x VRs: main volume, Sub volume 1 x Push button, Bluetooth® pairing 1 x push button, Bluetooth® TWS (Pairing with second system for stereo Bluetooth®)

¹ Half space, -10 dBu / 7 m, SUB volume center position

² SPL / 1 m, half space, pink noise, 12 dB crest factor, +10dBu input level

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

⁴ According to EIA-426B Standard

All product specifications are subject to change without prior notice.



Two colors available

PRODUCT DESCRIPTION

The EC12 self-powered column system has an elegant and un-obtrusive design, providing reliable performance for speech and music reproduction in small and medium-sized rooms. Two colors are available, making it easy to integrate into any installation scenarios.

The subwoofer features a 12" woofer and a polyurea-coated cabinet. The specially designed dual-curved port effectively reduces low-frequency port noise. The column can be wall-mounted independently, either mounted parallel to the wall or adjustable horizontally by $\pm 90^\circ$ and vertically from 0° to 15° . It can be adapted to meet the requirements of different venues.

The EC12 column speaker system is powered by one amplifiers with SMPS mounted on a specially designed aluminum die-cast heat sink for excellent thermal management. The level of the subwoofer can be adjusted independently of the main system volume. Moreover, proprietary DSP software controls all system parameters, as well as the low-noise AD/DA converter.

MECHANICAL	
Product dimensions [H x W x D]	Subwoofer: 551 x 350 x 480mm Top column: 871 x 102 x 150mm Lower column: 719 x 102 x 150mm Total system: 2046 mm
Net weight	Subwoofer: 22.8 kg Top column: 6.85 kg Lower column: 5.85 kg Total weight: 35.5kg
Packaging dimensions [H x W x D]	Subwoofer: 585 x 455 x 656 mm Columns: 957 x 390 x 193mm
Total weight	41.5 kg
Cabinet	Subwoofer: 15 mm Plywood Column: Aluminum Column covers and connectors : ABS, Nylon, stainless steel
Cabinet finishing	Subwoofer: Black or white polyurea coat Column: Black or white powder coat
Grille	Powder-coated perforated steel grille with acoustic dustproof mesh (available in two colors)
Hardware	2 embedded handles in cabinet, rubber feet
Rigging	4-point connector system, 6 x M5 Wall mounting points

ACCESSORIES	
EC12Column adapter	4-pole Phoenix adapter for wall mounting of the column speakers
EC12Sub-connector TPE-cover	Subwoofer connector panel cover
EC12Parallel Wall Mounting Kit	Mounting kit for wall mounting of the column speaker
EC12Tilt and Swivel Bracket Kit	Adjustable wall mounting bracket kit for wall mounting of the column speaker

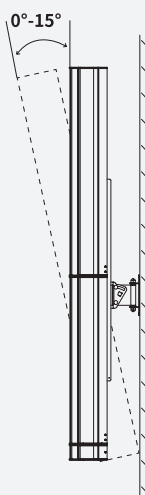
WALL-MOUNTED APPLICATION

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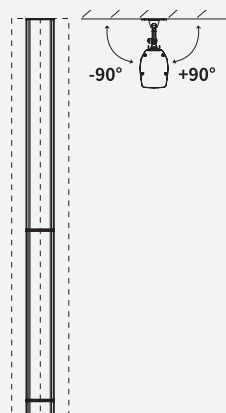


Parallel wall-mounted

②



Horizontal & vertical adjustable wall-mounted



PRODUCT DRAWINGS

