

HC320

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	43 Hz - 17 kHz
Frequency range (-10 dB)¹	38 Hz - 20 kHz
Coverage angles (-6 dB) [H x V]	130° x 20°
Maximum Peak SPL²	138 dB
Continuous Maximum SPL²	126 dB
System type	3-way, self-powered
Crossover frequency	LF:100 Hz, MF:130 Hz, HF:2.5 kHz
Transducers	2 x 10" 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 (LMF/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	1 x XLR-Combo Line input, sym. 1x XLR Line output, sym., buffered 1x NL-4 Sub output to lower column IEC mains input twist connector
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	220-240 VAC, 4A; 100-120 VAC, 8A; 50/60 Hz; 800 W max.; (Fuse T5AL250V)
Input sensitivity	0 dBu
DSP	48 kHz/24 Bit with extended dynamics Processing latency: 1.1 ms
Connectivity	Bluetooth® V5.0 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	2x VRs: main volume, Sub volume 1x Push button, Bluetooth® pairing 1x push button, Bluetooth® TWS (Pairing with second system for stereo Bluetooth®) 1x power on/off switch

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



Three colors available

PRODUCT DESCRIPTION

The HC320 self-powered column speaker system has an elegant and unobtrusive design, providing reliable performance for speech and music reproduction in small and medium-sized rooms. It comes in three colour options, making it easy to integrate into any installation and environment.

The subwoofer features two 10" woofers in a vented enclosure. The front grille is covered in acoustic fabric. It also serves as a stable base for the speaker columns. The HC320 system has a unique feature that allows the columns to be wall-mounted. Each column contains twelve high-efficiency 3.5" low-mid range drivers and one multicell waveguide with four 0.5" compression drivers. The waveguide cells' unique shape is optimized to cover both near and far fields at the same time. The system provides a wide horizontal dispersion that matches perfectly with the 3.5" speakers, resulting in a homogeneous sound at all listening distances.

The HC320 column speaker system is powered by three 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: 660x435x530mm Top column: 871x102x150mm Lower column: 719x102x150mm Total system: 2155 mm
Net weight	Subwoofer: 34.1 kg Top column: 6.85 kg Lower column: 5.85 kg Total weight: 46.8kg
Packaging dimensions [H x W x D]	Subwoofer: 635x540x768 mm Columns: 957x390x193mm
Total weight Cabinet	52.8 kg Subwoofer: 15mm Plywood Column: Aluminum Column covers and connectors: ABS, Nylon, stainless steel
Cabinet finishing	Subwoofer: Polyurea coat Column: Powder coat
Grille	Subwoofer 1.5 mm steel, powder coated, covered by cloth on the outside Column 0.8 mm steel, powder coated, covered by cloth on the outside
Hardware Rigging	2 embedded handles in cabinet, rubber feet 4-point connector system

ACCESSORIES	
HC320Column adapter	4-pole Phoenix adapter for wall mounting of the column speakers.
HC320Sub-connector TPE-cover	Subwoofer connector panel cover.
HC320Parallel Wall Mounting Kit	Mounting kit for wall mounting of the column speaker.
HC320Tilt and Swivel Bracket Kit	Adjustable wall mounting bracket kit for wall mounting of the column speaker.

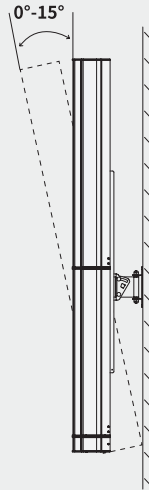
WALL-MOUNTED APPLICATION

①



Parallel wall-mounted

②



Horizontal & vertical adjustable wall-mounted

PRODUCT DRAWINGS

