

HC300

PRODUCT FEATURES

- Self-powered column system
- Plug & Play setup
- Columns can be wall mounted
- Bluetooth® audio streaming
- Bluetooth® True Wireless Stereo (TWS)
- Multicell waveguide, optimized for near and far field
- Low noise digital signal processing
- Aluminum column housing
- Polyurea coated plywood 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 SPL ²	136 dB
Continuous max. SPL ²	124 dB
System type	3-way, self-powered
Crossover frequency	LF:100 Hz, MF:130 Hz, 2.5 kHz, 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 (LMF/MF): closed (sealed) cabinet Columns (HF): multicell waveguide
AMPLIFICATION	
Type	Class-D with SMPS
Total power ³	1000 W
Output power per channel ⁴	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® 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

All product specifications are subject to change without prior notice.



Three colors available

PRODUCT DESCRIPTION

The HC300 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 a 12" woofer in a vented enclosure. The front grille is covered in acoustic fabric. It also serves as a stable base for the speaker columns. The HC300 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 optimised 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 HC300 column speaker system is powered by one amplifier 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] (incl. connector pins)	Subwoofer: 551 x 350 x 480 mm Top Column: 871 x 102 x 150 mm Lower Column: 719 x 102 x 150 mm Total system height: 2046 mm
Net weight	Subwoofer: 22.8 kg Top Column: 6.85 kg Lower Column: 5.85 kg Total system weight: 35.5 kg
Packaging dimensions [H x W x D]	Subwoofer: 585 x 455 x 656 mm
Total weight	Columns: 957 x 390 x 193 mm 35.5 kg
Transport weight	41.5 kg
Cabinet	Subwoofer: 15 mm Plywood Columns: Aluminum Column covers and connectors: ABS, Nylon stainless steel
Cabinet finishing	Black polyurea coating; powder coating
Grille	Powder coated perforated steel, cloth covered (3 available colors)
Hardware	2 embedded handles in cabinet, rubber feet
Rigging	4-point connector system
ACCESSORIES	
HC300 Column Adapter	4-pole Phoenix adapter for wall mounting of column speakers
HC300 Sub-Connector Cover	Subwoofer connector panel cover
HC300 Parallel Wall Mount Kit	Mounting kit for wall mounting of the column speaker
HC300 Tilt & Swivel Bracket Kit	Adjustable wall mounting bracket kit for wall mounting of column speaker

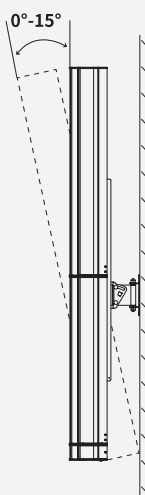
WALL-MOUNTED APPLICATION

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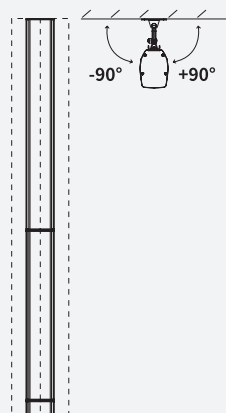


Parallel wall-mounted

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Horizontal & vertical adjustable wall-mounted



PRODUCT DRAWINGS

