

C6

PRODUCT FEATURES

- Self-powered column system
- Plug & Play setup
- Build-in mixer
- Bluetooth® audio streaming
- Mono or Stereo configuration
- Suitable for PA or monitor applications
- Elegant and unobtrusive design
- Digital signal processing
- Expandable with dedicated subwoofer (C6 SE)

SPECIFICATIONS

ACOUSTICAL	
Frequency range (-3 dB) ¹	50 Hz - 21 kHz
Coverage angles (-6 dB) [H x V]	120° x 25°
Maximum Peak SPL ²	126 dB
System type	3-way, self-powered
Crossover frequency	250 Hz (LF/MF), 3 kHz (MF/HF)
Transducers	2x 10" woofer with 2.5" voice coil 6x 3.5" full range driver with 1" voice coil 2x 3.5" full range driver with 1" voice coil 2x 0.5" compression tweeter with 1" voice coil coaxially mounted with waveguide.
Enclosure type	Subwoofer: bass reflex enclosure; Columns: closed cabinet
AMPLIFICATION	
Type	Class-D with SMPS (LF, MF); Class-A/B (HF)
Total power ³	1500 W
Output power per channel ⁴	LF: 800 W, MF: 600 W, HF: 100 W
Protection	Short circuit, Overheating, Overcurrent, Limiter
Indicators	Power on, Signal, Limit, Protect, Mono/Stereo
Connectors	Microphone input: 1x XLR combo jack; Line input: 2x XLR combo jack, balanced; 2x RCA jack, unbalanced; Hi-Z input: 1x TS jack, unbalanced; MP3 input: 1x 3.5mm TRS jack, stereo unbalanced; Bluetooth® streaming: BT version 4.0 System Out output: XLR, balanced; mono mode: mono summing L+R; stereo mode: signal right (R) subwoofer output: XLR female, balanced; processed signal for routing to complementary subwoofer
Wiring	Power connector: powerCON® 20A Pin layout XLR: Pin 2: Signal+; Pin 3: Signal-; Pin 1: Shield Pin layout TRS: Tip: Signal+; Ring: Signal-; Shaft: Shield Pin layout stereo TRS: Tip: Left; Ring: Right; Shaft: Shield Pin layout powerCON®: Pin N: Neutral; Pin L: Conductor; Pin E: Earth, Ground
Operating voltage range	100 – 240 VAC, 50/60 Hz
Input sensitivity	0 dBu
DSP	48 kHz/24 bit with extended dynamics Processing latency: 1.1 ms
Connectivity	Bluetooth® Version 4.0; A2DP v1.2 (SBC Codec), AVRCP v1.4
Processing	Crossover, Limiter, EQ, Level
User controls	Power: On/Off switch System Level: Main Level; Subwoofer Level Input Level: Microphone; Line; Bluetooth®/MP3; Hi-Z System Configuration: Bluetooth® Pairing button; Stereo/Mono Mode switch



PRODUCT DESCRIPTION

The C6 self-powered column system is an expandable PA or monitor system with versatile connectivity and direct control via the built-in mixer. This column speaker system with its elegant and unobtrusive design delivers a great sound for speech and music reproduction at small and medium-sized venues and installations with an audience of up to a few hundred listeners. C6 provides a variety of audio inputs, such as Bluetooth®, XLR combo, RCA, 6.3 mm Hi-Z and a 3.5 mm TRS jack.

The subwoofer enclosure features two 10" woofers and serves as a stable base for the columns. The column consists of six 3.5" full-range drivers and two co-axial 3.5" speakers with 0.5" compression drivers. Three amplifiers with a total power of 1500 W and an integrated DSP allow this versatile system to deliver up to 126 dB SPL of sound pressure with plenty of punch and rich lows down to 50 Hz and sparkling highs up to 21 kHz.

The C6 column system can be extended with the C6 SE subwoofer and configured as a stereo system by connecting a second C6 unit.

MECHANICAL	
Product dimensions [H x W x D] (Including rigging)	347 x 750 x 532 mm Subwoofer 855 x 100 x 129 mm Columns
Net weight	35.5 kg Subwoofer, 10.6 kg Columns
Packaging dimensions [H x W x D]	433 x 830 x 615 mm Subwoofer 980 x 380 x 190 mm Columns
Total weight	38 kg Subwoofer, 13.2 kg Columns
Cabinet	Subwoofer: Plywood, Columns: Aluminum
Cabinet finishing	Black polyurea coating; powder coating
Grille	Powder coated perforated steel
Hardware	2 side handles embedded in cabinet; Rubber feet
Rigging	4-point connector for mounting the lower speaker columns on the subwoofer; 4-point connector for mounting the upper speaker column on the lower speaker column
ACCESSORIES	
C6 TD	Transport Dolly for C6 or C6 SE
C6 FC	Flightcase for C6 or C6 SE

¹ Whole space, 1 W / 1m
² Calculated Max. Peak SPL = Sensitivity + 10log₁₀(output power)
³ Total power value is the sum of all individual channel output power
⁴ According to EIA-426B Standard

PRODUCT DRAWINGS

