

M-A6L

PRODUCT FEATURES

- Self-powered column system
- Plug & Play setup
- Bluetooth® audio streaming
- Bluetooth® True Wireless Stereo (TWS)
- Multicell waveguide, optimized for near and far field
- Extended bass performance
- Low noise digital signal processing
- Aluminum column housing
- Polyurea coated plywood subwoofer cabinet

SPECIFICATIONS

ACOUSTICAL	
Frequency range (-3 dB) ¹	48 Hz - 17 kHz
Frequency range (-10 dB) ¹	38 Hz - 20 kHz
Coverage angles (-6 dB) [H x V]	130° x 20°
Maximum Peak SPL ²	138 dB
Continuous max. SPL ²	125 dB
System type	3-way, self-powered
Crossover frequency	LF:100 Hz, MF:130 Hz, HF:2.5 kHz
Transducers	1x 15" woofer with 3" voice coil 12x 3.5" low-mid driver with 1" voice coil 4x 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 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: 1x XLR female, balanced Line output: 1x XLR male, balanced, buffered Power connector: powerCON®
Wiring	Pin layout XLR: Pin 2: Signal+; Pin 3: Signal-; Pin 1: Shield Pin layout Pin layout powerCON®: Pin N: Neutral; Pin L: Conductor; Pin E: Earth, Ground
Operating voltage range	220-240 VAC, 50/60 Hz, 4A; 100-120VAC, 8A; 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	Power: On/Off switch System Level: Main Level; Subwoofer Level BT: Bluetooth® Pairing button TWS: Bluetooth® TWS Pairing button (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.



PRODUCT DESCRIPTION

The M-A6L self-powered column speaker system with its elegant and unobtrusive design provides a reliable and impressive performance from low volume applications to the highest output levels at small and medium-sized venues. The subwoofer features one 15" woofer in a vented polyurea coated plywood cabinet and serves as a stable base for the column.

The aluminum column is split into two parts for easy transportation. The column houses an array of twelve, high efficiency 3.5" low-mid range drivers and one multicell waveguide with four 0.5" compression drivers. The unique shape of the waveguide cells are optimized to cover near and far field at the same time. The system offers a wide horizontal dispersion, matching perfectly with the 3.5" speakers, to provide a homogeneous sound at all listening distances.

The M-A6L column speaker system is powered by three amplifiers with SMPS mounted on a specially designed aluminum die-cast heat sink for best heat management. The subwoofer level can be controlled separately from the system main volume. 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: 633 x 435 x 612 mm Top Column: 871 x 103 x 150 mm Lower Column: 719 x 103 x 135 mm Total system height: 2129 mm
Net weight	Subwoofer: 32.9 kg Top Column: 6.8 kg Lower Column: 5.7 kg Total system weight: 45.4 kg
Packaging dimensions [H x W x D]	Subwoofer: 715 x 540 x 743 mm Columns: 950 x 395 x 226 mm
Total weight Cabinet	Subwoofer: 37 kg, Columns: 15.3 kg Subwoofer: 15mm Plywood Columns: Aluminum Column covers and connectors: ABS, Nylon stainless steel
Cabinet finishing	Black polyurea coating; powder coating
Grille	Powder coated perforated steel
Hardware	2 embedded handles in cabinet, rubber feet
Rigging	4-point connector system

ACCESSORIES	
M-A6L TD	Transport Dolly
M-A6L FC	Flightcase
M-A6L TBC	Padded nylon transport bag for columns
M-A6L TBS	Padded nylon transport bag for subwoofer

PRODUCT DRAWINGS

