S))e ®

AUDIOTECHNIK

M-A6

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
- Low noise digital signal processing
- Aluminum column housing
- Polyurea coated plywood subwoofer cabinet

SPECIFICATIONS

ACOUSTICAL	
Frequency range (-3 dB) [1]	50 Hz - 17 kHz
Frequency range (-10 dB) [1]	40 Hz - 20 kHz
Coverage angles (-6 dB) [H x V]	130° x 20°
Maximum Peak SPL [2]	137 dB
Continuous max. SPL [2]	124 dB
System type	3-way, self-powered
Crossover frequency	100 Hz (LF), 130 Hz (MF), 2.5 kHz (HF)
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 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), PRO-TECT (red), BT PAIRING (blue), BT-TWS (blue)
Connectors	**Line input:** 1x XLR female, balanced **Line onput:** 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, 800 W max.
Input sensitivity	0 dBu
DSP	48 kHz/24 bit with extended dynamics Processing latency: 1.1 ms
Connectivity	Bluetooth® Version 5.0 Profile: A2DP v1.3.1 (SBC, aptX, aptXHD), AVRCP v1.6
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-A6** 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 **12" woofer** in a vented polyuria 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-A6** 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-coverter.

MECHANICAL	
Product dimensions **[H x W x D]** **(incl. connector pins)**	528 x 360 x 502 mm Subwoofer 871 x 103 x 139 mm Top Column 719 x 103 x 135 mm Lower Column Total system height: 2024 mm
Net weight	23.3 kg Subwoofer, 6.8 kg Top Column, 5.7 kg Lower Column / **System: 35.8 kg**
Packaging dimensions **[H x W x D]**	600 x 460 x 638 mm Subwoofer 950 x 395 x 226 mm Columns
Total weight	26.4 kg Subwoofer, 15.3 kg Columns
Cabinet	Subwoofer: 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-A6 TD	Transport Dolly
M-A6 FC	Flightcase
M-A6 TBC	Padded nylon transport bag for columns
M-A6 TBS	Padded nylon transport bag for subwoofer

Version 2024/05

PRODUCT DRAWINGS

139

103

2024

528

502

360