

M-F3A

PRODUCT FEATURES

- Small size, high SPL
- Easy, compact, modular
- Self-power system with Class-D built-in amp
- Hornless design line array ensures clear and crystal sound
- New aging resistant woofer unit
- Plug & play setup, easy to use
- Low digital signal processing floor noise

SPECIFICATIONS

ACOUSTICAL	
Frequency range (-6 dB)	120 Hz - 18 kHz
Coverage angles (-6 dB) [H x V]	120° x 16°
Maximum Peak SPL¹	126 dB
System type	2-way active
Transducers	MF: 8 x 2.8" drivers (0.75" voice coil) HF: 7 x 1" dome tweeters (1" voice coil)
Enclosure type	Vented box
AMPLIFICATION	
Type	2 channel, class-D with SMPS
Total power²	400 W
Output power per channel	MF: 200 W HF: 200 W
Protection	Short circuit, overheating, overcurrent, limiter
Indicators	Power, Signal, Limit, Protect
Connectors	Input signal: balanced XLR 3-pin female Link output: balanced XLR 3-pin male Power input: powerCON® 20A Power link output: powerCON® 20A
Wiring	Pin layout XLR: Pin 2: Signal+; Pin 3: Signal-; Pin 1: Shield powerCON: Pin N: Neutral, Pin L: Conductor, Pin E: Ground
Operating voltage range	100~120V~; 220V~240V~; 50Hz-60Hz
Input sensitivity	-4 dBV
DSP	48 kHz/24 bit
Processing	Level, factory DSP presets
User controls	Power: ON/OFF switch Level: Main Level Control: high shelf

¹ Measured with 12 dB Crest factor Pink Noise, whole space
² Total power value is the sum of all individual channel output power
All product specifications are subject to change without prior notice.



PRODUCT DESCRIPTION

Each M-F3A consists of 8 high-efficiency 2.8-inch full-range loudspeakers and 7 1-inch direct-radiating hornless dome tweeters, all arranged vertically to form a line array. By combining these components in the space of an A4 sheet of paper and weighing only 8 kg, an M-F3A loudspeaker system can produce a 126 dB of peak SPL. High-class SMPS technology and dual-channel Class D amplifiers, along with proprietary DSP control and limiting, ensure consistent and reliable performance. All products feature Powercon inputs, outputs, and signal in-out for convenient daisy-chain cabling to allow customization of the system to meet application requirements. Should a device change into protection mode, a built-in relay ensures the continuous routing of power and signal.

The ideal sound tuning, compact design, convenient cabling, easy scalability and many other features of this system save a lot of space, time and effort in transporting and setting up the systems.

The integrated ASR (Automatic Switching Router) technology ensures the routing of the audio signal through the entire array without impedance attenuation. This unique feature makes it possible to create arbitrarily large combinations of M-F3A.

MECHANICAL	
Product dimensions [H x W x D]	317 x 210 x 359 mm
Net weight	8 kg
Packaging dimensions [H x W x D]	440 x 290 x 388 mm
Total weight	9.75 kg
Cabinet	12 mm plywood
Cabinet finishing	Black polyurea coating
Grille	Powder coated perforated steel
Rigging	Three-point rigging system, 3 x SE Audiotechnik® 6 mm locking pins
Splay angles	0°, 1°, 2°, 3°, 4°, 6°, 8°
ACCESSORIES	
Bumper frame	M-F3A BF
U-bracket	M-F3A UB
Groundstack frame	M-F3A SFi
Pole bar	SPS 20
Flight case (4 units)	M-F3A FC
Carry-on bag (1 unit)	M-F3A CTB

PRODUCT DRAWINGS

