

M-F3A PRO MAX

COMPACT LINE ARRAY

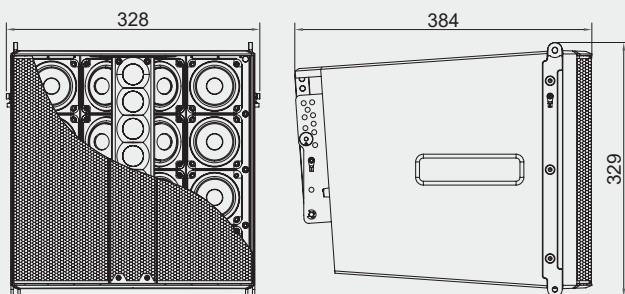
PRODUCT FEATURES

- Compact 2-way line-array module
- 16 x 2.8" neodymium midrange drivers, 8 x 1" soft-dome tweeters
- Integrated Class-D amplifiers and DSP
- 3-point rigging system
- Easy integration and operation
- Modular and scalable system
- Suitable for ground stacking or flying

Applications:

Concerts, festivals, theaters, outdoor events, corporate events, mobile applications.

PRODUCT DRAWING



PRODUCT DESCRIPTION

M-F3A PRO MAX was developed to meet the demands of more challenging applications and larger events. This compact 2-way line-array module combines elegant design with cutting-edge technology to deliver exceptional sound quality in an easy-to-handle format.

With 16 high-efficiency 2.8" neodymium midrange drivers and eight 1" soft-dome tweeters, M-F3A PRO MAX ensures extended and powerful midrange coverage as well as clear and natural highs. The integrated Class-D amplifiers and high-resolution DSP guarantee precise and optimal signal processing as well as fidelity at any dynamic level.

The enclosure is made of high-quality birch plywood and coated with Polyurea, ensuring robustness and durability under the demanding conditions of larger applications. The modularity and 3-point rigging system enable easy expansion and integration into existing systems.

Thanks to its thoughtful accessories, M-F3A PRO MAX is highly versatile. It can be used as a ground stack or a flown system. Whether at larger mobile applications or challenging sound reinforcement tasks, this line-array module delivers reliable performance and top-notch sound quality.

SAFETY NOTE Please observe the operating instructions as well as the applicable regulations and rules for safe use and operation. Also observe the maximum permissible number of modules in a ground stack or flown system.

¹Whole space, -10dBu/ 1m

²(-6 dB, 500 Hz - 6000 Hz)

³SPL / 1m, whole space, pink noise, 12dB crest factor, +10dBu input level

⁴Total power value is the sum of all individual channel output power

⁵According to EIA-426B Standard

All product specifications are subject to change without notice.



SPECIFICATIONS

ELECTRO-ACOUSTICAL	
Frequency range (-3 dB) ¹	135 Hz - 19 kHz
Frequency range (-6 dB) ¹	108 Hz - 20 kHz
Frequency range (-10 dB) ¹	95 Hz - 20 kHz
Coverage [H x V] ²	120° x 16°
Maximum Peak SPL ³	133 dB
Maximum Continuous SPL ³	121 dB
System type	2-way self-powered
Crossover frequency	1.9 kHz
Transducers	MF: 16x 2.8" drivers (0.8" voice coil) HF: 8 x 1" dome tweeters (1" voice coil)
Enclosure type	Vented box
AMPLIFICATION	
Type	Amp: Class-D, Power supply: SMPS
Total power ⁴	1000 W
Output power per channel ⁵	MF: 500 W; HF: 500 W
Protection	Short circuit, temperature
Indicators	LEDs, ON (green), SIGNAL (green), LIMIT (red), PROTECT (red)
Connectors	1 x XLR Line input (balanced) 1 x XLR Line output (balanced) 1 x Powercon, AC input, 20A 1 x Powercon, AC output, 20A
Wiring	Pin layout XLR: Pin 2: Signal+, Pin 3: Signal-; Pin 1: Shield Pin layout powerCON®: Pin N: Neutral; Pin L: Conductor; Pin E: Earth, Ground
Operating voltage range	MAINS IN: 100 - 120 V~ / 50 - 60 Hz, 20 A MAX. / 5.8 A UNIT 220 - 240 V~ / 50 - 60 Hz, 16 A MAX. / 2.9 A UNIT MAINS OUT: 100 - 120 V~ / 50 - 60 Hz, 14.2 A MAX 220 - 240 V~ / 50 - 60 Hz, 13.1 A MAX
Input sensitivity	0 dBu
DSP	48 kHz/24 Bit with extended dynamics
Processing	Crossover, Limiter, EQ, Level, low noise AD-DA
User controls	LEVEL: 8 position rotational switch (-10, -6, -5, -4, -3, -2, -1, 0) HF LEVEL: 8 position rotational switch (1-8)
MECHANICAL	
Product dimensions [H x W x D]	329 x 328 x 384 mm
Net weight	12.6 kg
Packaging dimensions [H x W x D]	485 x 415 x 452 mm
Total weight	14 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	0.25°, 0.5°, 1°, 1.5°, 2°, 3°, 4°, 5°, 6.5°, 8°
ACCESSORIES	
Bumper frame	M-F3A PRO MAX BF
Stacking Frame	B 18 SFi MAX
U-bracket	M-F3A PRO MAX UB
Transport kart	M-F3A PRO MAX TK 43
Flight case	M-F3A PRO MAX FC