

M11A

2-way active stage monitor

Montarbo
Made in Italy



Optimum performance requires first and foremost excellent monitoring. Accurate voice reproduction and maximum coherence of the acoustic image are indispensable to give one's best.

If you are looking for an affordable, compact, self-powered stage monitor with professional quality sound, M11A is an excellent solution.

SYSTEM'S ARCHITECTURE

- The combination of a 10" woofer with a 1" compression driver, coupled to a Montarbo designed constant directivity horn (that may be rotated 90°) is capable of a truly high sound pressure. The frequency response, which extends down to 50Hz, can satisfy the musicians' requirement in the most diverse music genres.
- The built-in electronics includes:
 - a **class AB, Mosfet amplifier**, fitted with our exclusive loudspeaker protections and a soft-start circuit to reduce the peak current drain at switch-on. It delivers a total output power of 180 W.
 - an **active dynamic processor**, which optimises the specific features of the loudspeaker and provides direct control of the operation of the system, ensuring a constantly flat frequency response. It features an operating threshold that is sensitive to line voltage, limiting any excessive voice coil movement under the most demanding operating conditions. Unimpeded operation is guaranteed even when the system is subjected to extreme line voltage excursions.
 - a **passive crossover** guarantees phase coherency and perfect addition of acoustic emissions for the transducers in the crossover region.

FEATURES

- **High sound pressure level** with maximum definition, absolutely flat frequency and phase responses.
- **Low susceptibility to feedback.** Excellent intelligibility, no distortion or coloration.
- A **class AB Mosfet amplifier** delivers a total output power of 180 W.
- **124 dB max spl.**
- **10" high efficiency woofer** with 2" voice coil.
- **1" compression driver** with 2" voice coil.
- **90° x 70° constant directivity horn.**
- **Design and construction conform to the highest professional standards for maximum reliability and durability:** strong and sturdy cabinet with highly resistant polyurethane paint finish and steel protection grid; low turbulence tuning ports; all controls and connections are conveniently placed on one side of the cabinet for increased ease of use; ergonomically designed handle, balanced to the box's centre of gravity, make transport easier.

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TECHNICAL SPECIFICATIONS

Enclosure	2-way; vented
Frequency response	50 Hz ÷ 20 kHz ±3dB
Sensitivity	100 dB SPL @ 1W/1m (on axis)
Max. SPL	124 dB
Max output power	180 W

- Components
 - bass frequencies 10" high efficiency woofer (2" voice coil)
 - mid/high frequencies 1" compression driver (2" voice coil) constant directivity horn (90°H x 70°V)

Impedance	4 ohms (bass) / 8 ohms (mid/high)
Frequency response	50 Hz ÷ 20 kHz ±3dB

- Crossover
 - passive 12dB/oct.
 - Crossover frequency 2500 Hz

- Built-in power amplifier
 - MosFet, class AB, dedicated power unit with dynamic processor; 'soft start' circuit

Max output power	180 W
Frequency response	10 Hz ÷ 40 kHz +0/-1dB
Input impedance	10 kohms (balanced)
Input sensitivity	0 dBu (775mV)
Noise referred to input	- 110 dB (A weighted)

- Connectors
 - balanced Neutrik Combo® input
 - balanced XLR output (link)

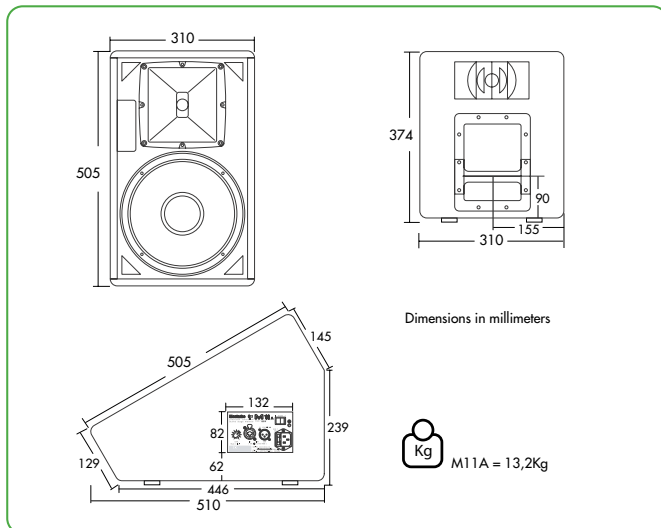
- Controls
 - master level

PHYSICAL SPECIFICATIONS

- Construction
 - birch multiply cabinet;
 - anti-scratch polyurethane paint;
 - powder coated steel protection grille

- Fittings
 - carrying handle

- Dimensions / Weight
 - W 31 x H 37.4 x W 50.5 cm / 13.2 kg



Dimensions in millimeters