

# MICRA II SP

## FEATURES

- Multi-purpose, wide range ultra-compact self-powered system
- Two high technology 5" woofers with twin Neodymium magnet circuit and a 1" compression driver
- Built-in PWM digital amplifier (250 W on 2.7 ohm, continuous power) able to drive safely other two "Micra II" passive units (slaves)
- XLR/Jack input with adjustable sensitivity, able to handle various types of signals/levels (mic or line)
- Low feedback risk
- High speech projection for accurate reproduction with high intelligibility
- Asymmetric enclosure with two horizontal positions (25° and 45°)
- Internally reinforced cabinet for maximum sturdiness, avoiding coloration caused by resonance and fitted with numerous flying points for fast hanging or stand mounting

## APPLICATIONS

- Speech reinforcement in theatres and TV studios
- Near-field accurate monitoring
- Hi-fi system at higher level in clubs, pubs, music-restaurants/cafes etc.
- Conference rooms

## DESCRIPTION

Micra II SP is a wide range, two-way self-powered loudspeaker system, comprising two 5" woofers for the low and mid frequencies mounted on two short wave guides and a 1" compression driver for the high frequencies, loaded by a controlled directivity horn incorporated on the fibreglass enclosure's front. The built-in PWM power amplifiers can supply 250 W on 2.7 ohms (continuous power); it's able to drive safely other two "Micra II" passive units (slaves).

MICRA II SP has phase inversion low frequency loading and a tuned enclosure. The position of the mid/low speakers, mounted symmetrically to the horn, forms the so-called "D'Appolito" configuration that enables the system to be used with excellent results either horizontally or vertically.

The compression driver for the high frequencies is loaded by a horn with uniform directivity for almost all the audio band, with average dispersion of 140° H x 95° V in the speech spectrum (500 Hz ÷ 4 kHz) and average wide range sound coverage of 120° H x 90° V. In spite of its compact dimensions, thanks to the use of two symmetric loudspeakers and the unusual HF horn, this unit has limited horizontal and vertical dispersion, which ensure it the necessary feature of "projecting" the mid range, ensuring greater intelligibility of the speech it has to reproduce.

The useable frequency band at -10 dB goes from 59 Hz to 20.5 kHz. The complete system's frequency response, measured on axis, is within ±3 dB from 75 Hz to 19 kHz. Micra II SP has a universal input with adjustable sensitivity, able to handle various types of signals and levels, such as for example mic or line signals. It's fitted with a limiter able to operate efficiently without causing distortion in the event of overloading.

The cabinet is asymmetric with two horizontal positions (25° and 45°), is built in high quality 12 mm baltic birch plywood, strengthened by internal bracing which also eliminates the risk of resonance from the cabinet's sides.

The black outer finish is in high quality scratch-resistant paint. The cabinet has two threaded hanging points with a diameter of 8 mm (M8) to facilitate vertical and horizontal flying by means of appropriate (optional) hardware, and two more points (M10) to which an adapter can be fitted for use with an (optional) tripod stand.

## MICRA II

MICRA II is also available in passive (non-amplified) version for being powered directly by a MICRA II SP (slaves) or by one amplifier channel.

Further information available at [www.outline.it](http://www.outline.it)



## TECHNICAL SPECIFICATIONS:

**FREQUENCY RESPONSE** (-10 dB) 59 Hz ÷ 20.5 kHz  
(±3 dB) 75 Hz ÷ 19 kHz

**INPUT SENSITIVITY** Selectable (2 V ÷ 2 mV)

**AVERAGE DISPERSION** >5 kHz 110° x 85° (H x V)

**POWER AMPLIFIER**  
Type Class D (Digital)  
Input Impedance 10 kΩ balanced to ground  
**Rated Power** (W RMS) 300 W on 2.7 Ω  
250 W on 4 Ω  
130 W on 8 Ω

Cooling Natural Air Convection

**MAX SPL @ 1 m** (calculated) Peak 124

**CONNECTORS**  
Signal input 1 bal/unbal XLR-JACK combo  
Signal output (link) 1 XLR male  
Amplified output 1 NL4  
Mains 1 PowerCon + 1 Link Out

**LOUDSPEAKERS AND LOADING**  
Low/Mid 2 x 5" twin NdFeb magnet, Hi pass vented box  
High 1 x 1" exit horn loaded, 1" compression driver

**WEIGHT**  
*Single unit* 8.7 kg (19.2 lb)  
*Shipping (1 unit)* 10.2 kg (22.5 lb)

**DIMENSIONS**  
Height 38.6 cm (15.2") 42 cm (16.5")  
Width 23.4 cm (9.2") 27 cm (10.6")  
Depth 26.0 cm (10.2") 29 cm (11.4")

# MULTIPURPOSE SERIES