

# MICRA II



## FEATURES

- Ultra-compact loudspeaker system (123dB peak SPL@1m). Two sophisticated 5" woofers with twin Neodymium magnet circuit (LF) and a 1" compression driver.
- Very low feedback reaction
- Extremely linear frequency response and a phase response of just  $\pm 45^\circ$  from 250Hz to 20kHz
- High speech projection for accurate reproduction with high intelligibility level
- Asymmetric enclosure with two horizontal positions ( $25^\circ$  and  $45^\circ$ )
- 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 ecc.
- Conference rooms

## DESCRIPTION

Micra II is a wide range, two-way 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. Loading is of the phase inversion type with the enclosure tuned at a rather low frequency. The position of the mid/low speakers, mounted symmetrically to the horn, by forming the so-called "D'Appolito" configuration enabling to achieve excellent results either horizontally or vertically.

The acoustic reproduced bandwidth is 59Hz to 20.5kHz at -10dB, with a great linearity of within  $\pm 3$ dB from 75Hz to 19kHz, for the reproduction of many types of applications.

The system has high sensitivity being 95dB SPL at 1m. Driven at maximum peak power, Micra II is able to produce a maximum peak of 123dB SPL at 1m.

The maximum allowed power is 150 Watt AES (600 peak). Average dispersion from 500Hz to 4kHz is  $123^\circ$  horizontal and  $75^\circ$  vertical, from 500 Hz to 10.000 Hz is  $115^\circ$  horizontal and  $80^\circ$  vertical for short throw applications.

In spite of its compact dimensions, thanks to the use of two symmetric loudspeakers and the unusual HF horn, this unit has a good horizontal and vertical directivity control, which ensure it the necessary feature of "maintain" a constant dispersion over frequency, by ensuring greater coherence of the speech it has to reproduce. The cabinet is asymmetric with two horizontal positions ( $25^\circ$  and  $45^\circ$ ), and is built in high quality 12mm 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 M8 threaded hanging points to facilitate vertical and horizontal flying by means of appropriate (optional) hardware, and two more points for use with an (optional) tripod stand. The front protective grille is in press-fitting painted steel mesh.

## MICRA II SP

Also available the version Self Powered through an oversized PWM power amplifier module fit inside and conceived to safely drive up to two additional Micra II passive (slaves) units to the Micra II SP.

## TECHNICAL SPECIFICATIONS:

<b>FREQUENCY RESPONSE</b>	(-10 dB) ( $\pm 3$ dB)	59Hz – 20,5kHz 75Hz – 19kHz
<b>AVERAGE DISPERSION</b>	>5 kHz	$110^\circ \times 85^\circ$ (HxV)
<b>IMPEDANCE</b> (Ohms)	Nominal	8
<b>MAX SENSITIVITY</b> (dB SPL 1W 1m)		95
<b>POWER - WATTS AES</b>	Cont. 150	Peak 600
<b>MAX DB SPL</b>	(peak @ 1 m)	123

<b>CONNECTORS</b>	2xNL4 Speakon in parallel:	
<b>LOUDSPEAKERS AND LOADING</b>	2x5" Twin NdFeb magnet, Hi pass vented box 1x1" Exit horn loaded, 1" compression driver	
<b>WEIGHT (KG)</b>	Net (gross) 6,5 (8)	
<b>DIMENSIONS (CM)</b>	Height (with packing) Width (with packing) Depth (with packing)	38,6 (42) 23,4 (27) 26 (29)

## MULTIPURPOSE SERIES