

Micro Series

Column Speaker

Two way d'Appolitto, bass-reflex
2 x 6,5" ventilated driver
1 x tweeter

Features

Sound clarity in vocal bandwidth
Elliptical horn
Wall installation design

Applications

Fixed installation
Distributed sound

Specifications

200 W AES
100 dB SLP @ 1W / 1m
100° H x 60° V
25" x 13" x 9" (640 x 337 x 232 mm)

Mono amplification
Optional Processor
Optional Subwoofer

MC2C4 : 4 ohms version
MC2C16 : 16 ohms version

The MC2 is a two-way full range speaker. The low/mid section comprises two 6.5" (37 mm coil) loaded in bass reflex.

The HI section comprises an annular compression tweeter. The d'Appolitto set up offers similar sound reproduction features than a coaxial assembly with elliptical directivity.

The trapezoidal shaped cabinet includes captive bolts allowing the mounting of installation brackets. Developed and dedicated to fixed installation, the MC2C has no handle or pole mount socket. The MC2C is available under two references MC2C4, MC2C16 depending on the impedance value required.

The T100 & T200 options include 100 W or 200 W additional transformers allowing installation with 70V-100V line.

The APG processor SPMC2C is optional for vocal applications. However it becomes obligatory for music application and to insure active filtering between subwoofers and speakers when low frequency reinforcement is necessary.

APG team recommends the following subwoofers for the MC2C: SUB138P, SUB238S or TB115S.

MC2C



MC2C speaker

The MC2C was developed for a special project to be installed in place of worship. The wooden cabinet was modified to a trapezoidal shape with limited depth to ensure discrete installation along walls or pillars.

The ETMC2C bracket (optional) allows installing the loudspeaker either on the wall or the ceiling and offers a great angle adjustment possibility for the right orientation.

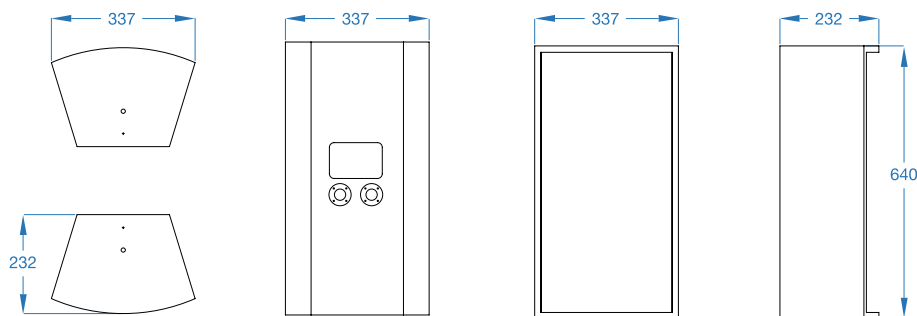
The multiple impedance versions allow distributing and adapting output power from amplifiers according to the number of loudspeakers required to cover the site.

The MC2C offers sound clarity performance and acoustic precision to recommend it for vocal applications. The SPMC2 processor allows optimizing frequency response during music applications. It is possible to combine the MC2C with subwoofers when low frequency reinforcement is required.

APG

MC2C

Technical Specifications



Features

	Low Section	High Section
Frequency range with processor (± 3 dB)	60 Hz to 2,6 kHz	2,6 kHz to 20 kHz
Frequency range without processor (± 3 dB)	75 Hz to 2,6 kHz	2,6 kHz to 20 kHz
Sensitivity @ 1W -1m, f > 100 Hz	100 dB SPL	101 dB SPL (1)
Maximum level at 1m, f > 100 Hz	122 dB SPL	
Peak level at 1m, f > 100 Hz	128 dB SPL	
Dispersion angle	100° H x 60° V (2)	
Nominal Impedance	4 ohms or 16 ohms (3)	

Components

Transducers	2 x 7" with ventilated driver	1 tweeter
Coil diameter	37 mm (1.5")	26 mm (1")
Type of load	Bass reflex	Horn

Power

Recommended amplifier	200 to 400 W
Peak	600 W
AES (4)	200 W

Construction and characteristics

Cabinets	15 mm Finnish birch plywood
Passive crossovers	Air core inductors, plastic film capacitors, wound resistors
Overload protection	Thermal circuit breaker with automatic reload
Finish	Black, impact resistant aquarethane coating
Protection Grill	Acoustically transparent perforated steel grid, thickness 1.5 mm
Front panel	Black, 10 mm acoustic foam
Connectors	2 x SPEAKON NLM4P (5)
Handles	1 x wooden cut out handle
Mounting on stand	1 x 36 mm, built-in stand fitting
Dimensions (H, W, D)	25.2" x 13.2" x 9.1" (640 x 337 x 232 mm)
Net unit weight	31 lb (14 kg)
Gross weight packed, one pair	68 lb (31 kg)

Options and Accessories

ETMC2C (6)	Lyre bracket for MC2C speaker
INOX01 (7)	Stainless steel screws and waterproof treatment cone driver
TROPIC01 (8)	Full treatment : wooden cabinet, screws and HP
REPEINT03 (9)	Painting option according to RAL or PENTONE reference
T100	Line transformer 70 / 100V, 100W
T200	Line transformer 70 / 100V, 200W

Signal processing

The SPMICRO processor provides active crossover, EQ, and standard filtering functions for a stereo system including subwoofers.

We have included a High and Low Section in the features table although it is unusual to illustrate this in the specifications of a passive system such as the MC2C. From this information it is possible to calculate the precise amount of energy reproduced by each transducer, and also the frequency bands within which they operate.

(1) Power shaping optimizes system linearity and increases power handling in the given frequency range. Sensitivity measures 106dB before power shaping and 98dB afterwards.

(2) Dispersion is controlled from 800Hz. The angles given here are irrelevant below this frequency.

(3) The MC2C is available in 4 ohms (MC24), 16 ohms (MC216).

(4) In order to take full benefit of the dynamic performance, sonic quality and reliability of the speakers, the recommended amplification must at least correspond to the AES rating. Lesser amplification is acceptable for applications requiring less power (near-field, distributed systems,...), whilst not being less than half the AES rating. The AES power handling corresponds to a 2 hour test using weighted pink noise (peak factor of 6dB) through a frequency range of one decade.

(5) The SPEAKON connectors are wired hot pin 1+, cold pin 1-.

(6) ETMC2C is a 4 mm steel bracket allowing installation of speakers on either wall or ceiling with angle adjustment.

(7) Stainless steel screws and waterproofing of speaker cones.

(8) Tropicalisation includes fiber-glass reinforced polyester coating of the cabinet, stainless steel screws and waterproofing of speaker cones.

(9) Paint preparation for the requested color.

5 YEARS WARRANTY *A five years warranty covers passive filters, transducers and compression drivers. The warranty does not cover cosmetic damages and damages due to misuse, improper installation, or damages caused by alterations.

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Due to this, new materials, manufacturing methods and technological changes may be introduced without prior notice. As a result, an APG product can differ from its published description in certain areas. However, unless otherwise indicated, its characteristics will always equal or better the published specifications.

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