

# Micro Axial Series

## Ultra Compact Indoor Loudspeaker

Two way coaxial, bass reflex  
1 x 6,5" cone driver  
1 dome tweeter

### Features

Very small size  
Wide conical dispersion  
Sound clarity & reproduction accuracy  
Natural or black wood finish

### Applications

Fixed installation  
Distributed sound  
5.1 Home theatre

### Specifications

100W AES  
94 dB SPL@1W, 1m  
8 Ohm  
120° conical dispersion  
7.9" x 7.9" x 8.3" (200 x 200 x 212 mm)  
1 thermal protection

Mono amplification mode  
Optional processor  
Optional subwoofer

MX1PN : MX1 in black version (paint)  
MXGN : MX1 in black version (paint + front grill)  
MX1GB : MX1 in white version (paint + front grill)

The APG MX1 Speaker is a two way full range speaker developed for high quality fixed installations. It features a specific 6,5" cone driver with a coaxial dome tweeter. The MX1 is characterized by its very small dimensions and its high quality finish.

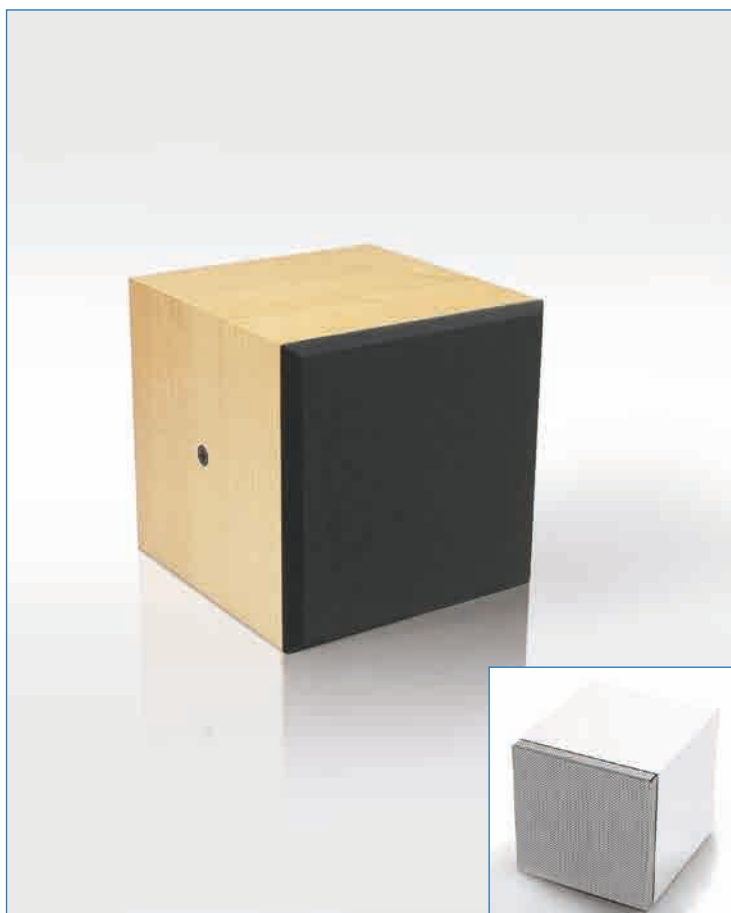
It offers a clear and precise sound reproduction of the mid/high frequencies up to 24 KHz. The coaxial technology produces a perfectly coherent and consistent sound on a wide 120° conical dispersion beyond 10 KHz.

The T50 and T100 options comprise a 50W or 100W additional transformer for 70V-100V line cabling.

No processor is necessary if the speaker is to be used in wideband mode. Otherwise the APG SPMX1 processor will provide active filtering and system alignment between the subwoofer and the MX1 when low frequencies reinforcement is required.

APG recommend the following subwoofers: SUB12MX/N, SUB138P.

# MX1



MX1 loudspeaker shown with natural varnish wood (MX1) and white paint finish (MX1GB).

The MX1 is a very small square shaped speaker, intended for small and medium size indoor sound systems as well as for additional distributed sound in large installations.

Taking advantage of its compactness and its wide acoustical dispersion, the MX1 produces a clear and consistent sound while being very discreet.

The two very high standard finishes offer the possibility of blending them in any modern design environment.

The MX1 can be installed in many ways, wall, or ceiling or truss-mounted via its specific rotating lyre bracket (option ETMX1), or simply put on a shelf.

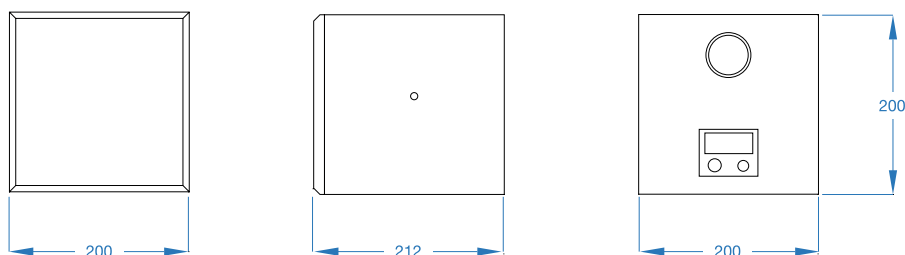
When used in full range mode, the MX1 is ideal for conference applications, background music or as additional satellites for large P.A. system.

Combined with a subwoofer the MX1 constitute a very nice surround system ideal for "Home Theatre" applications or for background music in high class restaurants or private clubs. It is also suitable for clubs, lounges and small dancing areas.

# APG

# MX1

## Technical Specifications



### Features

	Low section	High section
Frequency response with processor	75 Hz à 2 kHz	2 kHz à 24 kHz
Frequency response without processor	90 Hz à 2 kHz	2 kHz à 24 kHz
Sensitivity 1W to 1m, f > 80 Hz	94 dB SPL	94 dB SPL (1)
Maximum continuous level to 1m, (f > 80 Hz)	114 dB SPL	
Peak continuous level to 1m (f > 80 Hz)	120 dB SPL	
Coverage angles	120° Conical (2)	
Nominal impedance	8 Ohm	

### Components

Transducers	1 x 6.5" with ventilated driver	1 x dome tweeter
Coil diameter	37 mm (1.5")	14 mm (0.6")
Type of load	4th order resonator	Coaxial Horn

### Power

Recommended amplifier	100 to 200 W
Peak	300 W
AES (3)	100 W

### Construction and characteristics

Cabinet	15 mm MDF
Passive crossovers	Air-core inductors, paper capacitors, wound resistors
Overload protection	Thermal circuit breaker with automatic reload
Finish	Natural Wood (MX1), black paint (MX1PN, MX1GN), white paint (MX1GB)
Front panel	Black stretched Jersey (MX1, MX1PN), Grill (MX1GN, MX1GB)
Connectors	Dual binding posts (MX1), SPEAKON 4 <sup>PTS</sup> (MX1PN, MX1GN, MX1GB)
Dimensions (H, W, D)	7.9" x 7.9" x 8.3" (200 x 200 x 212 mm)
Net weight	11 lb (5 kg)
Gross weight, packing x 2	26 lb (12 kg)

### Options and Accessories

ETMX1(4)	Lyre bracket for MX1, MX1PN, MX1GN, MX1GB speaker
INOX0 (5)	Stainless steel screws and waterproof treatment cone driver
T50	Line transformer 70V / 100V, 50W
T100	Line transformer 70V / 100V, 100W

### Signal Processing

The SPMX1 static processor provides system alignment, cross-over, infrasonic and ultrasonic protection and distribution of signals; a mono subwoofer output with front panel adjustment feeds an optional subwoofer amplifier channel.

Although the MX1 is a passive speaker system, the specifications table clearly shows a high and a low section. With this information, the precise amount of energy reproduced by each transducer can be worked out as well as the frequency bands within which they operate.

(1) The 94dB efficiency measurement is taken after attenuation ; before attenuation the sensitivity is 99dB. This attenuation not only allows the system to become linear but also increases the power handling in the given frequency range.

(2) The dispersion is controlled from 800 Hz, the given angles are irrelevant below this frequency.

(3) 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.

(4) ETMX1 is a 4 mm steel bracket allowing installation of speakers on either wall or ceiling with angle adjustment.

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

**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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