

# Subwoofers

## Subwoofer

1 x 12" ventilated cone driver (66 mm coil)  
Dual interactive chamber

## Features

Very compact size  
Natural or Black varnish wood finish

## Applications

Low frequency reinforcement for APG MX Series.  
Fixed Installations  
Distributed sound

## Specifications

40 Hz - 300 Hz  
300 W AES  
98 dB SPL @ 1W / 1m  
8 Ohm  
13.8" x 16.9"x 18.9" (350 x 430 x 480 mm)  
Thermal protection

Single channel Amplification  
Processor required

SUB12MXN : SUB12MX in black finish version

The APG SUBMX subwoofer is a dedicated low frequency speaker offering bass extension and reinforcement for small sound systems.

It is equipped with a 12" driver installed in a dual interactive chamber. This technology offers the advantages of using a small volume for the load of the speaker, high efficiency in the usable bandwidth and perfect control of the excursion of the diaphragm.

The SUB12MX is available in two different finishes: A black varnish ash under reference SUB12MXN and a Natural varnish beech wood under reference SUB12MX. Like other subwoofers with dual interactive chambers in the APG series, the SUB12MX is very compact and offers a perfect compromise between size and low frequency extension. Therefore, it is the perfect answer for projects where floor space saving is a prime necessity. Even if the SUB12MX can be used up to 300 Hz, APG recommends using the SPMX1, SPMX2 or LPMX2 processor in order to optimize the 40 to 100 Hz.

# SUB12MX



SUB12MX loudspeaker shown with natural varnish wood (SUB12MX) and black varnish wood (SUB12MXN) finish

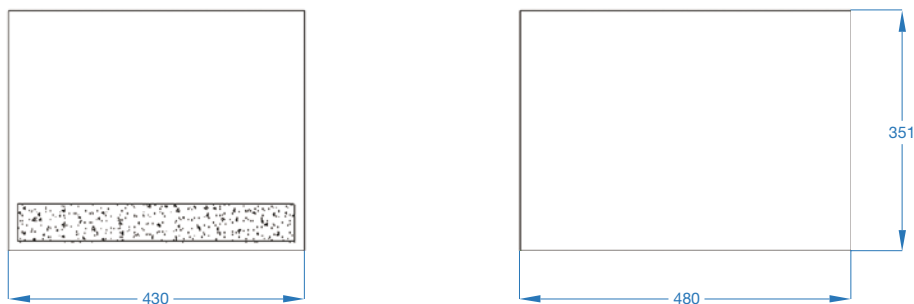
The SUB12MX has been developed as a low frequency complement for the MX1 or MX2. With its classic "Hi-Fi" finish style, it is dedicated to high standard indoors installations where modern design must be taken into consideration. Thanks to its compactness it can easily be blended into any architectural environment. Sound systems created with MX1, MX2 and SUB12MX are specifically designed for conference rooms, congress halls, ballrooms, theatres, bars etc.

SPMX1 and SPMX2 processors provide system alignment, crossover, infrasonic and ultrasonic protection and distribution of signals for a two way stereo system with SUB12MX.

# APG

# SUB12MX

## Technical Specifications



### Features

### SUB12MX

Frequency range with processor ( $\pm 3$ dB)	40 Hz to 100 Hz (1)
Sensitivity @ 1W / 1m	98 dB SPL
Maximum continuous level at 1m	120 dB SPL
Peak level at 1m	126 dB SPL
Nominal impedance	8 Ohm

### Components

Transducer	1 x 12"
Coil diameter	66 mm (2.6")
Type of load	Dual interactive chamber

### Power

Recommended amplifier	300 to 600 W (2)
Peak	1200 W
AES (3)	300 W

### Construction and characteristics

Cabinet	15 mm MDF
Overload protection	Thermal circuit breaker with automatic reload
Front panel	Black acoustic foam
Connectors	Dual binding posts
Dimensions (H, W, D)	13.8" x 16.9" x 18.9" (350 x 430 x 480 mm)
Net unit weight	42 lb (19 kg)
Gross weight packed	49 lb (22 kg)

### Finish

SUB12MX	Natural (Blonde) beech veneer
SUB12MXN	Black ash veneer

### Options and Accessories

FAERO4 (4)	4 Aeroquip™ flying rings
INOX03 (5)	Stainless steel screws and waterproof treatment cone driver

### Signal Processing

The SPMX1 and SPMX2 processors provide system alignment, cross over, infrasonic protection and distribution of signal into a two way stereo system plus SUB12MX.

(1) Frequency response is restricted to 100Hz in the processor. SUBMX provides useful response up to 300Hz.

(2) These figures are for 8 ohm load. Double these figures for 4 ohm rating.

(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) AEROQUIP™ system to allow speaker installation with safety slings.

(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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