

# Subwoofers

# SB112

## Ultra Compact Subwoofer

1 x 12,2" ventilated ferrite cone driver (4" voice coil)  
Band pass - Dual interactive chamber

## Features

Compact size  
Accuracy in low frequency reproduction  
Sonic impact

## Applications

Very compact mobile systems  
Unobtrusive in fixed installations

## Specifications

55 Hz - 200 Hz @-3dB  
600 W AES  
139 dB SPL Max @1m  
8 Ohms

The SB112 is an extremely compact and efficient subwoofer for either fixed installations or mobile applications. It features a single 12" cone driver loaded in a dual interactive chamber.

This exclusive design significantly reduces the volume of the acoustic load in order to obtain the best size / low cutoff frequency ratio as well as a significant efficiency gain in terms of useable bandwidth and perfect membrane movement control. This driver takes advantage of a forced thermal cooling, which drastically reduces thermal compression, resulting in high sound pressure capacity.

By consequence, the bandwidth efficiency gain compared to a traditional bass-reflex loaded cabinet is 3dB. In terms of ergonomics, the SB112 features four integrated handles, fly/fixing rigging points (QRFS4 option) for wall or ceiling mount purposes, a pole-mount point, recessed connectors and protective skids.

The SB112 must be used with APG processors and amplifiers.



Subwoofer SB112

The SB112 is designed for low frequency reinforcement of small to medium power sound systems where compactness and discretion is at a premium. In fixed installations, SB112's reduced dimensions enable unobtrusive installation in restricted environments, such as under seats or on a small stage, or flown from the ceiling.

The SB112 offers low frequency from 45 Hz for maximum precision even in difficult acoustic environments.

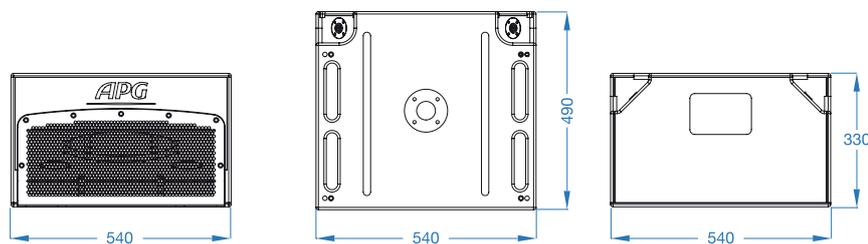
The SB112 can be combined with MX and DX series speakers to form compact, portable FOH systems for corporate events, AV applications, low and medium power music reproduction. It is ideal for small venues, conference or indeed as part of a compact, efficient FOH system in bars, small clubs or mobile sound systems.

This subwoofer is perfectly suitable for distributed sound in large scale installations. The sonic impact and precision make it efficient for « drum fill » application on small stages.

# APG

# SB112

## Technical Specifications



### Features

	SB112
Frequency range with processor ( $\pm 3$ dB)	55 Hz to 200 Hz (1)
Frequency range with processor ( $\pm 10$ dB)	45 Hz to 200 Hz
Efficiency dB SPL @1W/1m	99 dB SPL
Continuous dB SPL level @1m	127 dB SPL
dB SPL peak level @1m (3)	133 dB SPL
dB SPL max level @1m (2)	139 dB SPL
Nominal impedance	8 Ohms

### Components

Transducers	1 x 15" with internal cooling
Coil Diameter	4" (100 mm)
Type of load	Interactive chamber + K-Horn™ type

### Power

Recommended amplification	800 to 1200 W
AES (4)	600 W

### Construction and characteristics

Cabinet	15 mm Finnish Birch plywood / Black impact resistant aquarethane coating
Dimensions (H, W, D)	13" x 21.3" x 19.3" (330 x 540 x 490 mm)
Net unit weight	66,1 lb (30 kg)
Connectors	2 x SPEAKON NL4MP (5)
Mechanical aspect : Handles	2 recessed handles
Front face	Black, 10 mm acoustic foam / Acoustically transparent perforated steel, 2mm thick
IP	43

### Options and accessories

QFS4	4 Integrated Quick Flying System
SCSB112	Soft cover for SB112
KR80 (6)	80 mm rotating wheels (x 4)
FAERO4 (7)	4 Aeroquip hooks
INOX03 (8)	Stainless steel screws & cone driver waterproof treatment
TROPIC03 (9)	Full treatment: cabinet, screws & cone driver waterproof treatment
REPEINT06 (10)	Painting option according to RAL or PANTONE reference.

### Electronics

Processors	DMS48F, DMS48F_D*
Amplifiers	SA20:2, SA30:2, SA100:2, DA15:4_D*, DA50:4_D*

D\* : Dante Option

(1) Depending on the system used, the frequency response is generally limited to 80 Hz and sometimes limited to 60Hz or 100Hz by the APG processors. However the SB112 can be used up to 200 Hz.

(2) The AES2 Norm 1984 power handling corresponds to a 2 hour test using weighted pink noise (peak factor of 6dB) through a frequency range in 12dB/oct of one decade.

(3) AES2 Norm 2012 power handling corresponds to a 2 hour test using weighted pink noise (peak factor of 12dB) through a frequency range in 24dB/oct of one decade.

(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 4 pins Speakon connectors are wired 1+, 1- in.

(6) The KR80 option comprises 80 mm rotating casters with brakes.

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

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

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

(10) 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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APG has a comprehensive research and development policy for the continual improvement of its products and service. 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.

# APG