

Subwoofers

Compact Subwoofer

2 x 15" ventilated cone drivers (4" voice coil)
Dual interactive chamber

Features

Exceptional SPL/size ratio
Very dynamic response
Accuracy in low frequency reproduction

Applications

High power low frequency reinforcement
Unitary use or large stack application

Specifications

40 Hz - 300 Hz
103 dB SPL @ 1W à 1m
4 ohms
2000 W AES
17.3" x 37.4" x 23.1" (440 x 950 x 587 mm)
2 thermal protections

Mono amplification operation mode
Processor mandatory

The SUB238S is a subwoofer designed for high to very high power low frequency reinforcement. It comprises two 15" cone drivers loaded by a dual interactive chamber.

The exclusive dual interactive load chamber allows to considerably reducing the volume for the load in order to obtain the best versus frequency-extension-to-size ratio and a perfect control of the excursion of the diaphragm. The SUB238S offers a very high dynamic capacity in a frequency range that is intentionally limited to a 38 Hz in the spectrum, to allow a very high precision of sound reproduction. Its enclosure has two built-in metal bar handles, two standard female pole mount sockets to allow the installation of two APG loudspeakers while perfectly respecting the 45° angle.

The operation of the APG SUB238S subwoofer requires the use of an APG processor. All the APG stereo processors include a mono subwoofer output.

SUB238S



Subwoofer SUB238S

The SUB238S is a new generation high acoustic performance subwoofer offering a great flexibility in applications.

The SUB238S is characterized by its extreme compactness that offers an unquestionable advantage in acoustically difficult environments where infra low frequencies can very often create an acoustic masking-effect on the rest of the spectrum and therefore impair the whole intelligibility. The SUB238S provides a very dynamic and punchy sound reproduction for the sound effects that are commonly found in electronic music where the whole dynamic capacity of systems is used.

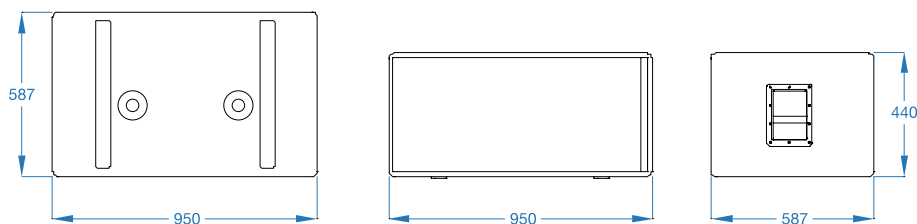
The sound reproduction of the SUB238S is defined by a very dynamic and precise low frequency reproduction adapting perfectly to the nowadays electronic music.

Therefore the SUB238S is the most flexible subwoofer for any type of application, either indoor or outdoor. On its own or in large stacks, the SUB238S will answer all requirements.

APG

SUB238S

Technical Specifications



Features

SUB238S

Frequency range with processor (± 3 dB)	38 Hz to 100 Hz (1)
Sensitivity @ 1W 1m	103 dB SPL
Maximum continuous level @1m	134 dB SPL
Peak level @ 1m	138 dB SPL
Normal Impedance	4 ohms

Components

Transducers	2 x 15" with ventilated driver
Coil diameter	100 mm (4")
Type of load	Dual Interactive Chamber

Power

Recommended amplifier (2)	2000 to 4000 W
Peak	6000 W
AES (2)	2000 W

Construction and characteristics

Cabinet	18 mm Finnish birch plywood
Overload protection	Thermal circuit breakers with automatic reload
Finish	Black, impact resistant aquarethane coating
Protection grill	Acoustically transparent perforated steel, thickness 1.5 mm
Front panel	Black, 10 mm acoustic foam
Connectors	2 x SPEAKON NLM4P (3)
Handles	2 x built-in metal bar
Satellite speaker set up	2 x 36 mm, built in stand fitting
Dimensions (H, W, D)	17.3" x 37.4" x 23.1" (440 x 950 x 587)
Net unit weight	119 lb (54 kg)
Gross weight packed	126lb (57 kg)

Options and Accessories

FAERO4 (4)	4 Aeroquip™ flying rings
INOX03 (5)	Stainless steel screws and waterproof treatment cone driver
TROPIC04 (6)	Full treatment : wooden cabinet, screws and HP
REPEINT06 (7)	Painting option according to RAL or PENTONE reference

Signal Processing

The dedicated processors APG offers for its range of systems allow their combination with several types of subwoofers. These processors provide system alignment, cross-over, infrasonic and ultrasonic protection and distribution of signals for a stereo system including subwoofers.

(1) Frequency response is restricted to 80Hz or 100Hz in the processor. SUB 238S provides useful response up to 500 Hz.

(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.

(3) The SPEAKON connectors are wired pin 1+ hot, pin 1- cold to the internal load; pin 2+, pin 2- are daisy-chained for signal transfer to a satellite speaker, using cross-connected cables.

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

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

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

(7) 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.

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