

Dispersion series

SMX15

High performances multi-purpose

Two-way bass reflex
1 x 15" Neodymium cone driver
HF driver 1.4"

Features

Linear phase and amplitude response
Exceptional musicality
Very low harmonic and transient distortion
ATS™ system with 5 possibility of angles

Applications

High power stage monitor
"Side-fill"
"Drum-fill"

Specifications

40Hz - 20kHz @ -10dB
140 dB SPL Max @ 1m
85° x 85°
800 W / 125 W AES - 8 ohms

Two way active

The APG SMX15 is a two-way coaxial speaker offering high performance as well acoustically as ergonomically. The low frequency section uses a new generation neodymium 15" cone speaker mounted in a ported enclosure. This new loudspeaker takes advantage of a proprietary technique of forced thermal transfer, which drastically reduces thermal compression effects, resulting in exceptional sound pressure capacity down to 60 Hz. The high frequency section uses a neodymium compression driver offering extremely low distortion and frequency extension up to 20 kHz. The specific shape of the cabinet, combined with the unique AST (Aiming Tuning System) allow the speaker to be tilted at 5 different angles, each position offering the lowest possible profile. A total of three integrated handles answers all needs in terms of lifting and handling. Like the other speakers from the Dispersion Series, the SMX15 uses the coaxial technology which confers a perfectly coherent sound field to it on a conical dispersion of 85°. Connectors are located in two recesses, one on each side, providing protection when in use. The frequency and phase response of the SMX15 are perfectly linear, resulting in exceptional feedback reduction.

The SMX15 operates in bi-amplification only, with a dedicated active processor DMS48F.

For low frequency extension, APG subwoofers are recommended.



SMX15 Stage monitor

The SMX15 has been designed for applications requiring a combination of accurate sonic precision and very high sound pressure down to low frequencies. It offers a quality and an accuracy rivaling the best studio monitors whilst producing a sound pressure level seldom heard from such a compact box.

The response obtained in amplitude and phase is perfectly linear resulting in exceptional feedback reduction.

The sophisticated specific ergonomic of the SMX15 makes it fully versatile for all types of applications such as stage monitor for live concert or as a F.O.H. for indoor configuration.

The ATS™ system allows the speaker to be tilted at five different angles. (15°, 30°, 45°, 60°, 90°)

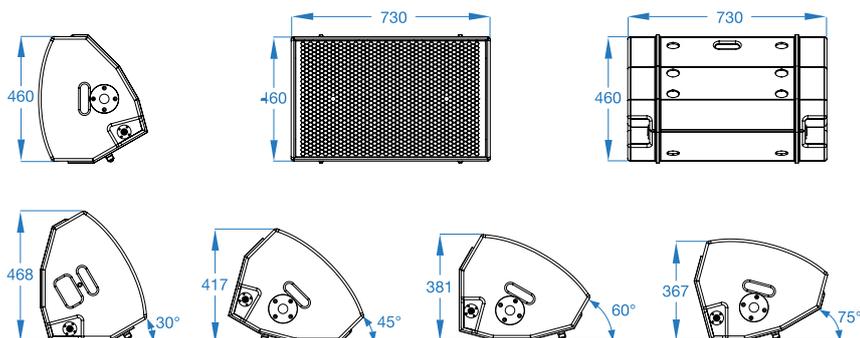
The SMX15 can answer all professional applications: versatile, compact and easy to handle, quick and precise to install, offering multiple handles and optional rigging system, nothing is missing.

Combined with compact subwoofers, the SMX15 makes perfect nearfield or medium field high power system or stage monitor application for side-fill or drum-fill.

APG

SMX15

Technical Specifications



Features

Description	Low section	High section
Usable bandwidth (± 10 dB)	40 Hz - 20 kHz	
SPL max @ 1m	140 dB SPL (1)	
Nominal directivity ($H^\circ \times V^\circ$)	85° x 85° (2)	
Nominal impedance	8 ohm	

Components

Transducers	1 x 15" ND with ventilated driver 1 x 1,4" HF ND driver	
Topology	Coaxial	
Type of load	Bass reflex	
Way and amplification section	2 way, mono amplified	

Power

AES	800 W	125 W (3)
Maximum power handling	3200 W	500 W (4)

Construction

Cabinet / Painting	15 mm Finnish Birch plywood / Black impact resistant aquarethane	
Dimensions H, L, P (mm)	18,1" x 28,7" x 14,4" (460 x 730 x 367 mm)	
Weight (kg)	64 lb (29 kg)	
Connectors	2 x Speakon NL4MP (5)	
Handles	2 integral cut-out handle	
Front face	Acoustically transparent perforated steel, 5 mm acoustic foam	
Fittings	1 x 35 mm, pole mount socket	
Color	Black RAL 9005	
IP	43	

Options & Accessories

ETSMX15	Lyre bracket for horizontal installation only
COL	Specific RAL color option

Electronics

Processors	DMS48F, DMS48F_D*
Amplifiers	DA8, DA12 / QUATTROCANALI

D* : Dante Option

- (1) Peak level @ 1m AES2-2012 2msr using 12dB crest factor pink noise with APG preset
- (2) Nominal directivity @-6dB
- (3) Continuous power according to AES2-2012 in DCR
- (4) Peak power according to AES2-2012 in DCR
- (5) SPEAKON connectors are wired hot pin 1+, cold pin1- (2+ and 2- are not connected)

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.

Diffusion : July 2021 / DOP_1379_D

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

ARBANE GROUPE - 8 Rue Johannes Gutenberg 44340 BOUGUENAI - FRANCE
Tel. : +33 (0)2 40 46 66 64 - e.mail : contact@apg.audio - www.apg.audio

arbane
groupe