

## iX Series

### High performance indoor loudspeaker

Two way coaxial, bass reflex  
1x12" ventilated cone driver  
1,4" HF driver

### Features

Exceptional size/power ratio  
Sound reproduction accuracy  
High level of reliability  
Studied ergonomics for fixed installation

### Applications

F.O.H application  
Fixed Installation

### Specifications

50Hz - 20kHz @ -10dB  
134 dB SPL Max @ 1m  
90° x 90°  
450 W AES - 8 ohms

Mono-amplification mode  
IX12W white version

The iX12 is a two way full range compact loudspeaker designed for fixed installation purpose. The lo/ mid section comprises a 12" cone driver installed in bass reflex. The mid/hi section comprises a 1" HF driver. The iX12 is equipped with a set of high coaxial speakers which confers a perfectly coherent sound field with a conical dispersion of 90°.

The APG iX12 loudspeaker is characterized by anti-diffraction baffle which allows it to have an excellent linearity. This results in a constant directivity. The iX12 is characterized by - SPL level / size - important, particularly extended bass, which provides high-precision sound reproduction quality both in voice and music applications.

The iX12 has an impedance of 8 ohms. She can also be integrated into line-type systems 70/100V through optional 100W transformer or 200W (T100/T200 option).

Ergonomic, the iX12 offers all the functions and options suitable for fixed indoor installation: aesthetic trapezoidal format, Speakon connectors, baseplate. Metal inserts M8 allows its fixing by means of different accessories allowing horizontal, vertical mounting or adjusting the tilt of the enclosure. The reference IX12W is the white version. The iX12 can also be customized in color - IX12COL.

# iX12



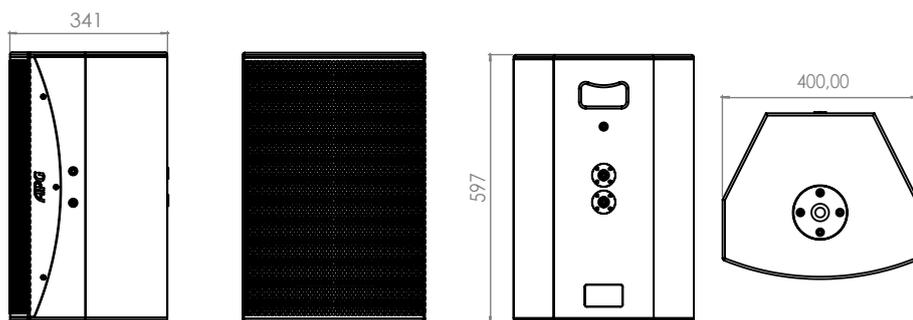
iX12 speaker

The iX12 offers a great flexibility in use: all types of Front of House, with or without subwoofer. This loudspeaker is characterized by a very advantageous size/power ratio and its high reliability during extreme operation. The ergonomics and the multiple additional options of the iX12 offer a perfect adaptability with all the architectural constraints: it can simply be put on the floor, suspended alone or in coupling configuration or fixed at the wall or the ceiling; it can receive special treatment for tropical environment or special colours coatings. As a speaker of main system, it is dedicated to medium size high precision applications. The iX12 can be used alone to offer high precision and clearness in vocal application. For music applications in full range mode, the use of a dedicated processor is mandatory in order to enhance the musical reproduction. Combined with subwoofers, the iX12 can make compact front of house systems providing with important dynamics, well adapted to sound clubs, cabarets or concert halls.

# APG

# iX12

## Technical Specifications



### Features

Description	High performance indoor loudspeaker
Usable bandwidth ( $\pm 10$ dB)	50 Hz - 20 kHz
SPL max @1m	134 dB SPL (1)
Nominal directivity ( $H^\circ \times V^\circ$ )	90° x 90° (2)
Nominal impedance	8 ohm

### Components

Transducers	1 x 12" coaxial ventiled 1 x 1,4" HF ND driver
Topology	Coaxial - APG NDB Baffle
Type of load	Bass reflex
Way and amplification section	2 way, mono amplified

### Power

AES	450 W (3)
Maximum power handling	1800 W (4)

### Construction

Cabinet / Painting	15 mm Finnish Birch plywood / Black impact resistant aquarethane
Dimensions H,W,D (mm)	15,7" x 23,5" x 13,4" (400 x 597 x 341 mm)
Weight (kg)	44 lb (20 kg)
Connectors	2 x Speakon NL4MP (5)
Handles	1 integral cut-out handle
Front face	Acoustically transparent perforated steel, black acoustic tissue
Fittings	Base for 35mm stand
Color	Black RAL 9005
IP	43

### Options & Accessories

IX12BH	Horizontal lyre bracket for iX12 speaker (6)
IX12BHW	Horizontal lyre bracket for iX12W speaker (white version) (6)
IX12BHCOL	Horizontal lyre bracket for iX12 speaker (RAL version)
iX12BV	Vertical lyre bracket for iX12 speaker
iX12BVW	Vertical lyre bracket for iX12W speaker (white version)
iX12BVCOL	Vertical lyre bracket for iX12 speaker (RAL version)
CM-P	Phoenix connector kit
T100	Line transformer 70V / 100V, 100W
T200	Line transformer 70V / 100V, 200W

### Electronics

Processors	DMS48F, DMS48F_D*
Amplifiers	DA8, DA12 / QUATTROCANALI

D\* : Option Dante

- (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) The 4 pins Speakon connectors are wired 1+, 1- in Lo/LoMid and 2+, 2- in Mid/Hi.
- (6) IX12BV / IX12BH is a steel bracket allowing installation of speakers on either wall or ceiling with angle adjustment.

**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\_1269\_C

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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