

# iX Series

## Ultra Compact Indoor Loudspeaker

Two way coaxial, bass reflex  
1x5" ventilated cone driver, 1.5" voice coil  
1" dome tweeter

### Features

Ultra compact  
Visually discreet  
Studio monitor-like performance  
Anti-diffraction baffling

### Applications

Nearfield listening  
Distributed audio  
Delay/in-fill

### Specifications

60Hz – 20kHz @ -10dB  
100 W AES  
116 dB SPL Max @ 1m  
105° conical  
16 Ohms

Mono amplification mode

The APG iX5 is a miniature 2-way full range loudspeaker. The low/mid frequencies are handled by a 5" long-throw driver loaded in a bass-reflex enclosure, while HF is handled by a coaxial dome tweeter.

The coaxial technology and acoustic baffling ensure a coherent and linear acoustic field with a substantial reduction in diffraction phenomena. The tweeter is physically aligned with the bass driver which results in a particularly linear phase response with a 105° conical dispersion pattern.

The iX5 is characterised by its ultra-compact size and audio quality that is comparable to the best studio monitors on the market, but with even better performance and power handling. The ergonomics remain simple, but dedicated to the needs of fixed installation: cubic format; recessed Phoenix connectors for discreet cabling; metal inserts for stand-/wall-/ceiling-mounting via the IX5B bracket; fitting for optional 70/100V line transformer.

The DMS48F digital processors provide loudspeaker management and filtering for the iX5 in full range mode combined with a subwoofer. APG recommends the SB110, SB112 or SB115-M2 subwoofer.

# i X 5



iX5 speaker

The iX5 is a satellite speaker optimised for highly accurate sound reinforcement in fixed installations. It may be used for distributed systems, nearfield listening, delay/in-fill, or as a main PA with or without subs. Thanks to its reduced form factor, iX5 is aimed at small to medium-sized venues although as part of a distributed system, it can be used to cover very large areas as well. It is an ideal choice for applications where discretion needs to be combined with optimal intelligibility.

The iX5 may be wall- or ceiling-mounted thanks to the optional IX5B bracket, but can also be stand-mounted or simply placed on a suitable surface. Although it has an impedance of 16 ohms, it can be fitted with an optional 50W transformer for 70V/100V line applications.

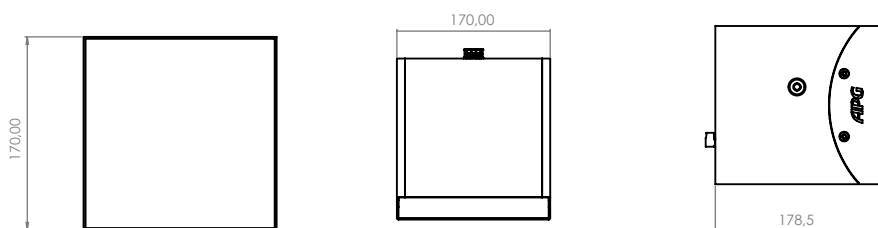
In full range mode, the iX5 is ideal for vocal reinforcement such as conferencing, background music as well as delay/in-fill applications. When combined with appropriate subwoofers, iX5 provides an ultra-compact solution for FoH systems in small spaces such as bars, small clubs and theatres etc.

APG's digital processors offer a number of speaker management options to handle the iX5 in any application or configuration.

# APG

# iX5

## Technical Specifications



### Features

	Low section	High section
Frequency response with processor ( $\pm 10$ dB)	60 Hz to 20 kHz	
Continuous dB SPL level @1m	110 dB SPL	
dB SPL max level @1m (1)	116 dB SPL	
Coverage angles	105° conical (2)	
Nominal impedance	16 Ohms	

### Components

Transducers	1 x 5" ventilated driver	1" dome tweeter
Coil diameter	1.5"	1"
Type of load	Bass reflex	Coaxial horn

### Power

Recommended amplification	50 to 200 W
AES (3)	100 W

### Construction and characteristics

Cabinet	12mm marine MDF / Highly durable black aquarethane coating
Dimensions (H, W, D)	6.7" x 6.7" x 7" (170 x 170 x 178,5 mm)
Net weight	9,2lb (4,2 kg)
Connecters	Phoenix 2-way (2 way in / 2 way out)
Mechanical aspect: Handle	1 x internally recessed hand-hold
Front face	Perforated steel grille
Stand mount	Microphone stand mounting point
IP	43

### Options and Accessories

IX5B (4)	Lyre bracket for iX5
IX5BW	Lyre bracket for iX5W (white version)
IX5BCOL	Lyre bracket for iX5 (RAL version)
T50	50W line transformer 70V/100V

### Electronics

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

D\* : Dante Option

Although the iX5 is a passive speaker system, the specifications table clearly shows a high and a low section. With this information, the precise amount of energy reproduced by each transducer can be worked out as well as the frequency bands within which they operate.

(1) 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.

(2) The dispersion is controlled from 800 Hz, the given angles are irrelevant below this frequency.

(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) IX5B 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.

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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.