

# iX Series

## Ultra Compact Indoor Loudspeaker

Two way coaxial, bass reflex  
1x6,5" ventilated cone driver, 1,5" voice coil  
1" dome tweeter

### Features

Very small size  
Wide conical dispersion  
Sound clarity & reproduction accuracy  
Natural or black wood finish

### Applications

Fixed installation  
Distributed sound  
5.1 Home theatre

### Specifications

70Hz – 20kHz @ -10dB  
100 W AES  
118 dB SPL Max @ 1m  
120° conical  
8 Ohms

Mono amplification mode

The APG iX6 Speaker is a two way full range speaker developed for high quality fixed installations.

It features a specific 6,5" cone driver with a coaxial dome tweeter. The iX6 is characterized by its very small dimensions and its high quality finish.

It offers a clear and precise sound reproduction of the mid/high frequencies up to 19 KHz. The coaxial technology produces a perfectly coherent and consistent sound on a wide 120° conical dispersion beyond 10 KHz.

The T50 and T100 options comprise a 50W or 100W additional transformer for 70V-100V line cabling. DMS48F processor is not necessary but advisable if the speaker is to be used in wideband mode. Otherwise the APG DMS48F processor will provide active filtering and system alignment between the subwoofer and the iX6 when low frequencies reinforcement is required.

APG recommend the following subwoofers: SB112 or SB115-M2.

# i X 6



iX6 speaker

The iX6 is a very small square shaped speaker, intended for small and medium size indoor sound systems as well as for additional distributed sound in large installations.

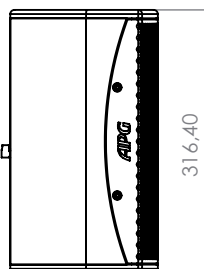
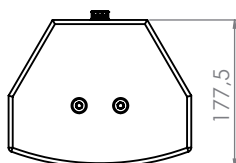
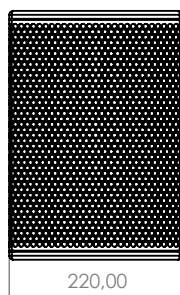
Taking advantage of its compactness and its wide acoustical dispersion, the iX6 produces a clear and consistent sound while being very discreet. The two very high standard finishes offer the possibility of blending them in any modern design environment.

The iX6 can be installed in many ways, wall, or ceiling or truss-mounted via its specific rotating lyre bracket (option IX6B), or simply put on a shelf. When used in full range mode, the iX6 is ideal for conference applications, background music or as additional satellites for large P.A. system. Combined with a subwoofer the iX6 constitute a very nice surround system ideal for "Home Theatre" applications or for background music in high class restaurants or private clubs. It is also suitable for clubs, lounges and small dancing areas.

# APG

# iX6

## Technical Specifications



### Features

|  | Low section      | High section |
|--|------------------|--------------|
| Frequency response with processor ( $\pm 10$ dB) | 70 Hz à 20 kHz   |              |
| Continuous dB SPL level @1m                      | 112 dB SPL       |              |
| dB SPL max level @1m (1)                         | 118 dB SPL       |              |
| Coverage angles                                  | 120° Conical (2) |              |
| Nominal impedance                                | 8 Ohms           |              |

### Components

|               | Low section                | High section    |
|---------------|----------------------------|-----------------|
| Transducers   | 1 x 6.5" 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                       | 15 mm MDF                                |
| Dimensions (H, W, D)          | 8.6" x 12.4" x 7" (220 x 316 x 177,5 mm) |
| Net weight                    | 13,4 lb (6,1 kg)                         |
| Connectors                    | Phoenix 2 way (2 way in / 2 way out)     |
| Mechanical aspect: Front face | Perforated steel grille                  |
| IP                            | 43                                       |

### Options and Accessories

|          |                                      |
|----------|--------------------------------------|
| IX6B(4)  | Lyre bracket for iX6                 |
| IX6BW    | Lyre bracket for iX6 (white version) |
| IX6BWCOL | Lyre bracket for iX6 (RAL version)   |
| T50      | Line transformer 70V / 100V, 50W     |
| T100     | Line transformer 70V / 100V, 100W    |

### Electronics

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

D\* : Dante Option

Although the iX6 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) IX6B 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.