

## Series iX

### High-power installation speaker

Two-way coaxial, bass-reflex  
1x15" ventilated cone driver, 3" voice coil  
1.4" HF driver, 3" voice coil

### Characteristics

Exceptional size-to-power ratio  
High acoustic precision  
All-round ergonomics for fixed installation

### Applications

Short and medium-throw coverage FOH system  
High-power sound system  
Dispersion and immersive sound

### Specifications

45Hz – 20kHz @-10dB  
550 W AES  
136 dB SPL max @ 1 m  
90° conical  
8 Ohms

Mono-amplification  
iX15W version - white

The APG iX15 model is a stand-alone two-way unit for pure coaxial installation. The bass/medium range is handled by an elongated 38-cm speaker with a magnetic driver which uses a proprietary forced thermal cooling technology which makes it possible to reduce the losses inherent to thermal compression. The 1.4" HF driver is connected via an original passive filter which also makes it possible to minimise the energy loss in the passive components. These technologies bring about a very high dynamic capacity from the low right through to the very highest frequencies. The front face of the cabinet is designed to form a zero-diffraction baffle and obtain a consistent, linear acoustic field.

The iX15 stands out due to its acoustic performance at every level: dynamic capacity, sound reproduction quality, linearity of amplitude, both in terms of phase and directivity. In terms of ergonomics, the iX15 is optimised for fixed installations. It has a streamlined trapezoidal design, built-in connectors Speakon™, a stand socket and metal inserts for wall or ceiling mounting using the accessory IX15BV or IX15BH. The reference iX15W is the white version that matches the accessory IX15BVW / IX15BHW.

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Speaker iX15

The iX15 is a passive, coaxial, high-power speaker whose ergonomic design naturally makes it the ideal choice for indoor use for a coverage of up to 18 m depending on the acoustics of the venue. It is equally suitable as a main FOH system or for dispersion or as a complement to high-power systems.

As an installation speaker, the iX15 can also be customised in terms of colour or be supplied with a "weatherproofed" finish for humid environments.

In stand-alone applications, the iX15 provides high-performance musical reproduction right down to the low frequencies, making it suitable for small theatres, music bars, karaoke, sports venues, etc.

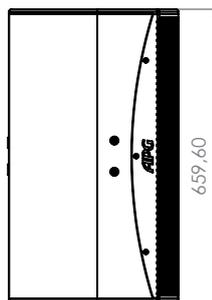
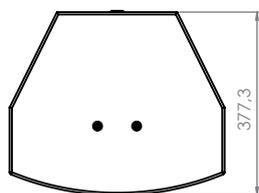
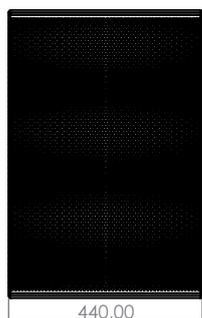
Combined with the APG subwoofers, it makes it possible to put together very high-performance FOH systems that work equally well in show venues, theatres or music clubs. The iX15's acoustic linearity makes this speaker perfect for spatial, immersive sound reproduction.

To operate the iX15, it is essential to use an APG digital processor irrespective of whether it is being used in stand-alone mode or system mode with subwoofer for infra-bass extension.

# APG

# iX15

## Technical Specifications



### Features

	Low section	High section
Frequency range with processor ( $\pm 10$ dB)	45 Hz - 20 kHz	
Continuous dB SPL level @ 1m	130 dB SPL	
dB SPL max level @1m (1)	136 dB SPL	
Directivity @ -6dB	90° conical (2)	
Nominal impedance	8 Ohms	

### Components

Transducers	1 x 15" ventilated driver	1 x 1,4" HF driver
Coil Diameter	3"	3"
Type of load	Bass reflex	Conical horn

### Power

Recommended amplification (3)	450 to 1100 W
AES (3)	550 W

### Construction and characteristics

Cabinet	Black impact resistant aquarethane coating
Dimensions (H, W, D)	17.3"x 26"x 14.9" (440 x 660 x 378 mm)
Net unit weight	50,7 lb (23 kg)
Connectors	SPEAKON NL4MP (4)
Mechanical aspect: Front face	Black, acoustic tissue / Acoustically transparent perforated steel
IP	43

### Options and Accessories

iX15BH (5)	Horizontal lyre bracket for iX15 speaker
iX15BHW	Horizontal lyre bracket for iX15W speaker (white version)
iX15BHCOL	Horizontal lyre bracket for iX15 speaker (RAL version))
iX15BV (5)	Vertical lyre bracket for iX15 speaker
iX15BVW	Vertical lyre bracket for iX15W speaker (white version)
iX15BVCOL	Vertical lyre bracket for iX15 speaker (RAL version)
CM-P	Phoenix connector kit
T200	Line transformer 70V / 100V, 200W

### Electronics

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

D\* : Dante Option

(1) The AES2 2012 power rating is a re-evaluation of the 1984 standard and corresponds to use of the speaker for a period of two hours with pink noise filtered at 24 dB/oct over a decade (peak factor of 6 dB) in the useful band.

(2) Dispersion is controlled as of 500Hz and the specified angles are of little significance below this frequency.

(3) The recommended amplification for benefiting from the dynamic characteristics, sound quality and reliability of APG products must correspond at least to the admissible AES power. If used at low power (proximity, dispersion, etc.) then a lower amplification is acceptable but must nevertheless not be less than the AES power. The AES power rating corresponds to use for a period of two hours with pink noise (peak factor of 6dB) filtered over a decade in the useful band.

(4) The SPEAKON™ 4 connectors are cabled as hot 1+, cold 1- (2+, 2- not connected).

(5) The iX15BV / iX15BH fastening system consists of steel bracket that makes it possible to mount the speakers on the wall or ceiling and also to adjust the angle.

**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.