

Dispersion Series

DX15

Multi-purpose coaxial wedge, passive

Two-way coaxial, passive cross over
1 x 15" Neodymium
1 x HF1" Neodymium

Features

"Monitoring" sonic performances
Frequency and phase linearity
Very limited distortion
Highly sophisticated ergonomics
Compatibility with DX12

Applications

Nearfield and mid-range listening
Main FOH, delay speaker or front fill
High precision stage monitoring
Touring and fixed installation

Specifications

45 Hz - 20 kHz @ -10dB
139 dB SPL max @ 1m
80° x 80°
600 W AES - 8 ohms

Mono amplification

The DX15 is a two way, compact wide band multipurpose speaker. The mid/low transducer is a 15" neodymium bass reflex. The DX15 takes advantage of a proprietary technique of forced thermal transfer, which drastically reduces thermal compression effects, resulting in exceptional sound pressure capacity down to 60Hz. The high frequency section comprises a 1.4" neodymium compression driver offering extremely low distortion and frequency extension up to 20kHz.

The passive filtering is designed to manage the phase alignment of the speakers and to obtain amplitude and linear phase responses in with a crossover that limits the distortion ratio.

The original cabinet design naturally enables two different angles as a floor monitor (30° for near-field and 45° for far-field applications), or it may be pole-mounted or flown for use as a FOH, delay or in-fill system. It also integrates 2 handles for quick and easy handling in all positions and cable plugs are protected.

The 15APT90 option is an angle tuning plate with the ETDX15 bracket that is hidden in the sides of the cabinet. The QFS4 comprises 4 parts for a quick and secure hanging with bolts or pins. The DX15 works in mono amplification and requires the use of an APG processor in the musical high power applications. For low and very low frequency reinforcement, subs APG are recommended.



Multi purpose DX15 speaker in FOH and floor monitor

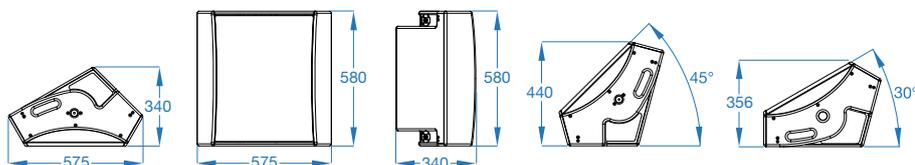
The DX15 is high power, 2-way, compact monitor speaker that benefits from coaxial technology. It combines high acoustic performance with sophisticated and functional ergonomics. Thanks to the coaxial coupling of 15" and 1" drivers, the DX15 delivers "studio monitoring" - type performance with extended bandwidth, high precision and ultra-low distortion. The linear frequency response also ensures minimum feedback. The asymmetric cabinet design enables two different angles as a floor monitor (30° for near-field and 45° for far-field applications), or it may be pole-mounted or flown for use as a FOH, delay or in-fill system. The DX15 meets professional requirements in terms of versatility, compactness, light weight, and handling. It offers a low profile as a stage monitor, simple flying system, ultra-fast setup, and fully protected cables and plugs etc. It is the ideal solution for PA companies thanks to its multipurpose feature set and adaptability, both for corporate events and live sound. In wide band use, the DX15 is perfectly suited to vocal applications and stage monitoring, distributed systems or as a FOH complement (delay or front fill).

When combined with subwoofers, the DX15 becomes a powerful, compact and easily transportable system ideal for medium-throw FOH applications. When combined with subwoofers, the DX15 becomes a powerful, compact and easily transportable system ideal for short and medium throw FOH applications or as "drum fill".

APG

DX15

Technical Specifications



Features

| | |
|--|--------------------------------------|
| Description | Multi-purpose coaxial wedge, passive |
| Usable bandwidth (± 10 dB) | 45 Hz - 20 kHz |
| SPL max @ 1m | 139 dB SPL (1) |
| Nominal directivity ($H^\circ \times V^\circ$) | 80° x 80° (2) |
| Nominal impedance | 8 ohm |

Components

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

Power

| | |
|------------------------|------------|
| AES | 600 W (3) |
| Maximum power handling | 2400 W (4) |

Construction

| | |
|-------------------------|--|
| Cabinet / Painting | 15 mm Finnish Birch plywood / Black impact resistant aquarethane |
| Dimensions H, L, P (mm) | 22,8" x 22,6" x 13,3" (580 x 575 x 340 mm) |
| Weight (kg) | 48 lb (22 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

| | |
|---------|--|
| 15ATP90 | Angle Tuning Plate (0° - 90°) for ETDX15 (6) |
| ETDX15 | Quick rigging lyre bracket for DX15 (6) |
| QFS4 | 4 integrated steel quick rigging parts (7) |
| SCDX15 | Soft cover 1x DX15 |
| 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)
- (6) ETDX15 is a 4 mm steel bracket allowing installation of speakers on either wall or ceiling with angle adjustment.
- (7) The QFS4 option offers 8 rigging points thanks to screwed rings or quick release pins.

Diffusion : July 2021 / DOP_1377_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.

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.

APG

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

arbane
groupe