

FP15



15" Very High-Output Point Source Loudspeaker

Features

- Versatile, premium two-way loudspeaker system
- Multi-angle enclosure with very high output capability
- Coaxial Point Source configuration with user-rotatable drive unit
- 15" (380mm)/3.5" (89mm) voice coil low distortion neodymium LF driver
- 3" (75mm) titanium diaphragm/1.4" (35mm) exit HF driver
- 80° H x 50° V dispersion
- Quick-release steel grille
- 3D prediction software [DISPLAY 3]
- Powered by iKON or VIA amplifiers

Applications

- Portable live sound reinforcement
- Theatre sound
- Fixed installations
- DJs and corporate AV events
- Very high-power stage monitoring



The FP15 is a premium, point-source loudspeaker designed for short and medium-throw applications which require superb sonic performance, very high output, and low frequency extension from a standalone enclosure.

With a multi-angle enclosure and a wide range of mounting options, the FP15 is the perfect high-power solution for rental companies and applications which benefit from its flexibility and speed of deployment. When supplemented by a subwoofer, it is an excellent choice for a top-flight portable live sound reinforcement system for bands and DJs. It can also be used as a powerful stage monitor, or in conjunction with a larger touring or installed sound system.

The FP15 is a two-way passive loudspeaker featuring a high-specification 15" LF driver and a 1.4" exit HF driver with a 3" diameter titanium diaphragm. It effortlessly delivers an impressive maximum SPL of 132dB peak and has a well-defined dispersion pattern of 80° horizontal x 50° vertical, with constant horizontal directivity characteristics.

Its exemplary coverage pattern is achieved by incorporating a dedicated waveguide within the magnet structure which merges into a specially contoured LF cone. With the waveguide and cone combining to form the HF horn, this innovative arrangement avoids a separate 'add-on' horn which would impede the wavefront from the cone and cause irregularities in the frequency response. It also improves on conventional

through-the-pole coaxial designs, which can suffer from high frequency beaming.

The FP15's durable birch plywood enclosure is finished in hardwearing textured paint and incorporates multiple threaded inserts to cater for a wide range of mounting options and accessories — including eyebolt, yoke, wall bracket and truss mounting. A dual pole-mount socket with 0° and 15° down-tilt angles is incorporated into the base of the enclosure, and twin handles aid installation and deployment. A steel grille with a triple-layer polyester backing presents a discreet professional appearance. This speaker is rated to IP54 for resistance to dust and water ingress when fitted with two speakON NLT4FXX connectors.

The FP15 can be used in either portrait or landscape orientation by rotating the driver within the enclosure. To make this operation quick and easy, the grille is secured by proprietary quick-release latches, and the driver fixed to the baffle by means of captive release clamps. Loosening these by hand allows the driver to be quickly rotated through 90° and re-tightened.

FP15 can be powered by iKON amplifiers, or by VIA amplifiers when used with a DX4.0 controller, or alternatively a DX0.4 or DX0.6 controller. FP15 systems can be modelled in 3D using Display 3 design and prediction software.

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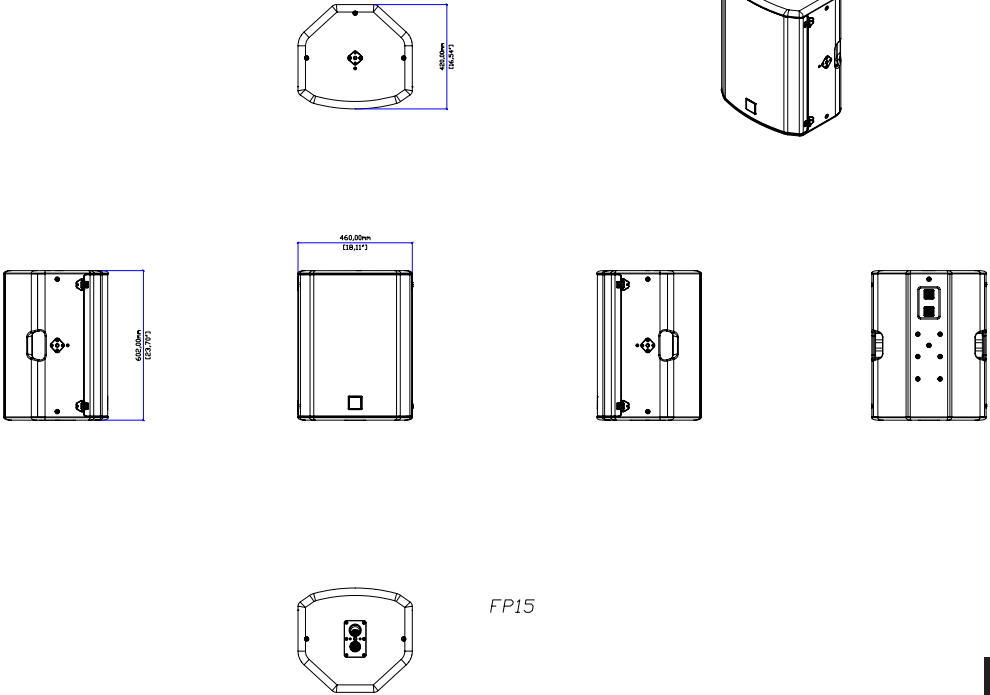


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Technical Specifications

PRODUCT NAME	FP15
TYPE	Coaxial passive 2-way
CROSSOVER FREQUENCY	1.1kHz
FREQUENCY RESPONSE - 4π (5)	50Hz - 20kHz ± 3dB, -10dB @39Hz with preset
DRIVERS	LF: 15", 3.5" Voice coil, Neodymium Motor with flux stabilising rings HF: 1.4" exit, 3" Voice coil, Coaxial titanium dome compression driver
SENSITIVITY (2.83V 1m free-field)	99dB
NOMINAL IMPEDANCE	8 Ohms
RATED POWER	500W AES, 2000W peak
MAXIMUM SPL	126dB Cont, 132dB Peak (6dB)
DISPERSION (-6dB)	80° H, 50° V
CONNECTORS	NLT4MPXX-BAG speakons (pair)
PIN CONNECTIONS (INPUT)	1+ / 1-
PIN CONNECTIONS (LINK)	1+/- and 2+/-
ENCLOSURE	Durable birch plywood
FINISH	Black hardwearing paint
GRILLE	Quick release steel grille with triple-layer polyester backing. Access to quick release rotatable driver
IP RATING	IP54 when fitted with two speakON NLT4FFX connectors
FITTINGS	4 x M10, 17 x M8 fixing points, dual pole-mount socket, 2 x handle pockets
DIMENSIONS	(W) 601mm, (H) 460mm, (D) 420mm (W) 23.7ins, (H) 18.1ins, (D) 16.5ins
WEIGHT	27.4kg (60.4lbs)
VOLUME	57L
ACCESSORIES	Separate landscape and portrait touring and install yokes, wall bracket, rigging bar and transit cover

- Notes
- (1) Measured on-axis in half (2pi) space at 2 metres, then referred to 1 metre.
 - (2) AES Standard ANSI S4.26-1984.
 - (3) Measured in half (2pi) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
 - (4) Measured in half (2pi) space at 2 metres using band limited pink noise, then referred to 1 metre.
 - (5) Measured on-axis in open (4pi) space at 2 metres, then referred to 1 metre.
 - (6) Measured in open (4pi) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
 - (7) Measured in open (4pi) space at 2 metres using band limited pink noise, then referred to 1 metre.
 - (8) Measured in open (4pi) space at 2 metres with 2.83V input, using band limited pink noise, then referred to 1 metre.
 - (9) Calculated at 1 metre.
 - (10) Measured in half (2pi) space at 2 metres with 2.83V input, using band limited pink noise, then referred to 1 metre.



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