

FP6



6" Ultra-Compact Point Source Loudspeaker

Features

- Ultra-compact, passive two-way loudspeaker
- Versatile, multi-angle enclosure with flexible mounting options
- Coaxial Point Source configuration with user-rotatable drive unit
- 6" (150mm)/1.75" (44mm) voice coil, low distortion, neodymium LF driver
- 1.4" (36mm) polymer diaphragm/0.7" (18mm) exit HF driver
- 100° H x 80° V dispersion
- Quick-release steel grille
- 3D prediction software [DISPLAY 3]
- Powered by iKON or VIA amplifiers

Applications

- Fill and spot coverage
- Under balcony fill
- Theatres and churches
- Distributed systems in bars and restaurants
- Museum and gallery installations
- Immersive sound spaces
- Portable corporate AV events
- Discreet stage monitor

The FP6 is a premium, ultra-compact point-source loudspeaker designed for short-throw applications which require superb sonic performance and coverage consistency from an extremely small enclosure. With full-frequency response and exceptional output capabilities for its size, it is ideal for installation in small spaces and areas which require spot and fill coverage.

Its multi-angle enclosure with flexible mounting options makes for discreet integration within architectural spaces — from churches, museums and galleries to theatres, bars and restaurants. When supplemented by a subwoofer, it is an excellent choice for premium, short-throw corporate AV events and music playback systems. Being both portable and surprisingly powerful for its size, it can also be used as a fill loudspeaker within a larger touring or installed sound system.

The FP6 is a two-way passive loudspeaker featuring a high-specification 6" LF driver and a 0.7" exit HF driver with a 1.4" diameter high-temperature polymer dome. It delivers an impressive maximum SPL of 119dB peak and has a well-defined dispersion pattern of 100° horizontal x 80° vertical, with horizontal constant directivity characteristics.



Its exemplary dispersion pattern is achieved by incorporating a dedicated waveguide within the magnet structure which merges into a specially shaped, asymmetric 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 FP6's durable birch plywood enclosure is finished in hardwearing textured paint and incorporates multiple threaded inserts that facilitate a wide range of mounting options and accessories — including yoke, wall bracket, truss and mic stand mounting. 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 FP6 can be used in either portrait or landscape orientation, including use as a discreet stage monitor, by rotating the driver within the enclosure. To make this quick and easy, the grille is secured by proprietary quick-release latches, and the driver fixed to the baffle by means of captive thumbwheels. Loosening these by hand allows the driver to be quickly rotated through 90° and re-tightened.

FP6 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. FP6 systems can be modelled in 3D using Display 3 design and prediction software.

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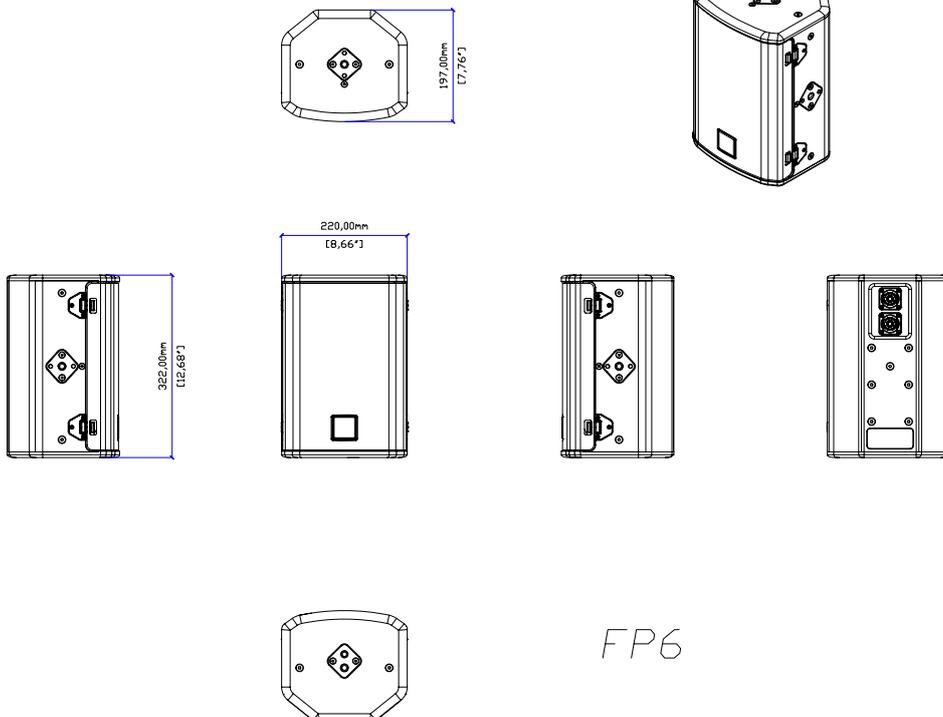
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Technical Specifications

PRODUCT NAME	FP6
TYPE	Coaxial passive 2-way
CROSSOVER FREQUENCY	2.3kHz
FREQUENCY RESPONSE - 4π (5)	73Hz - 20kHz ± 3dB, -10dB @57Hz with preset
DRIVERS	LF: 6", 1.75" Voice coil, Neodymium Motor with flux stabilising rings HF: 0.7" exit, 1.4" Voice coil, Coaxial HT polymer dome compression driver
SENSITIVITY (4V 1m free-field)	91dB
NOMINAL IMPEDANCE	16 Ohms
RATED POWER	150W AES, 600W peak
MAXIMUM SPL	113dB Cont, 119dB Peak (6dB)
DISPERSION (-6dB)	100° H, 80° 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, 15 x M6 fixing points, 1 x 3/8" (mic stand) fixing point
DIMENSIONS	(W) 321mm, (H) 220mm, (D) 197mm (W) 12.6ins, (H) 8.7ins, (D) 7.8ins
WEIGHT	5.5kg (12.1lbs)
VOLUME	7L
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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