

FP8



8" 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
- 8" (200mm)/2" (50mm) voice coil, low distortion, neodymium LF driver
- 1.7" (43mm) polymer diaphragm/1" (25mm) exit HF driver
- 90° H x 70° 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 music playback and corporate AV events
- Stage monitoring

The FP8 is a premium, ultra-compact point-source loudspeaker designed for short-throw applications which require superb sonic performance and coverage consistency from a small enclosure. With full-frequency response and exceptional output capabilities for its size, it is ideal for a wide variety of touring and install applications.

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. It is also the perfect ultra-compact solution for rental companies and professional applications which benefit from flexibility and speed of deployment.

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 powerful for its size, it can also be used as a discreet stage monitor or a fill loudspeaker within a larger touring or installed sound system.

The FP8 is a two-way passive loudspeaker featuring a high-specification 8" LF driver and a 1" exit HF driver with a



1.7" diameter high-temperature polymer dome. It delivers an impressive maximum SPL of 124dB peak and has a well-defined dispersion pattern of 90° horizontal x 70° vertical, with horizontal constant 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 FP8'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 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, while resisting dust and water ingress to IP54 environmental rating.

The FP8 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.

FP8 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. FP8 systems can be modelled in 3D using Display 3 design and prediction software.

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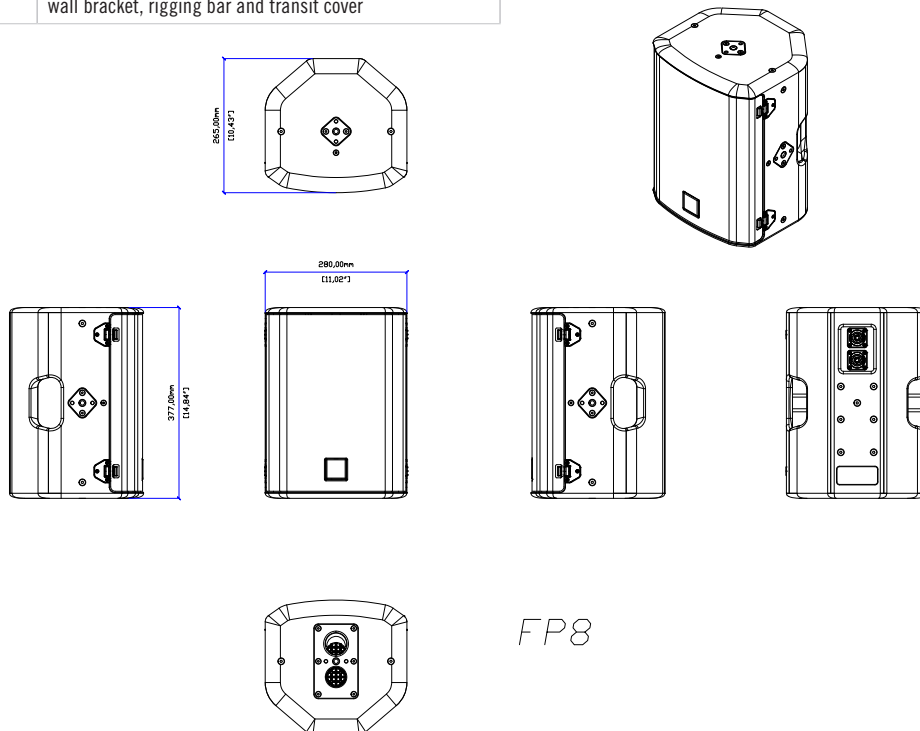
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Technical Specifications

PRODUCT NAME	FP8
TYPE	Coaxial passive 2-way
CROSSOVER FREQUENCY	2.0kHz
FREQUENCY RESPONSE - 4π (5)	63Hz - 18kHz ± 3dB, -10dB @50Hz with preset
DRIVERS	LF: 8" , 2" Voice coil, Neodymium Motor with flux stabilising rings HF: 1" exit, 1.7" Voice coil, Coaxial HT polymer dome compression driver
SENSITIVITY (2.83V 1m free-field)	94dB
NOMINAL IMPEDANCE	8 Ohms
RATED POWER	250W AES, 1000W peak
MAXIMUM SPL	118dB Cont, 124dB Peak (6dB)
DISPERSION (-6dB)	90° H, 70° V
CONNECTORS	NLT4MPXX-BAG speakons (pair)
PIN CONNECTIONS (INPUT)	1+ / 1-
PIN CONNECTIONS (LINK)	1+/- and 2+/-
FITTINGS	4 x M10, 15 x M6 fixing points, dual pole-mount socket, 2 x handle pockets
DIMENSIONS	(W) 376mm, (H) 280mm, (D) 265mm (W) 14.8ins, (H) 11.0ins, (D) 10.4ins
WEIGHT	9.3kg (20.5lbs)
VOLUME	13L
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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