

# F8P array

## Powered Two Way Active 8" High-Performances Speaker

The F8-P is mid-high compact self-powered two-way loudspeaker enclosure incorporating integral amplifiers and control electronics. The use of sophisticated electronic processor ensures an exact match between amplifier and speaker for optimum acoustic output, and offers exceptional ease of use by having the entire electro-acoustic system in one convenient, easily transportable physical package. It is designed for use in mobile speech and music sound reinforcement applications as well as in a wide variety of fixed installations. The loudspeaker consists of a front loaded 8" low-mid frequency driver and a 1" high frequency compression driver on an elliptical 90°H x 70°V waveguide horn. The rear panel carries a fully integrated Class AB, two way, amplifier and control electronics module, which is field removable for servicing. The cooling of power amplifier section is provided by a 60 mm fan. This module also incorporates high performance dual limiters set to optimize the continuous power and excursion threshold for the specific loudspeaker model. The cabinet includes a pole mount socket for use with 35mm poles and speaker stands. M8 rigging points are provided on the top, bottom and sides for use with M8 special XXL flying kit. The cabinet is constructed from 16mm birch plywood, screwed and glued together for maximum strength and rigidity, and includes unique steel mesh grille. It is finished in durable black semi-matt textured paint. Exclusive *FASTARRAY* hardware is integrated on board.

### Features

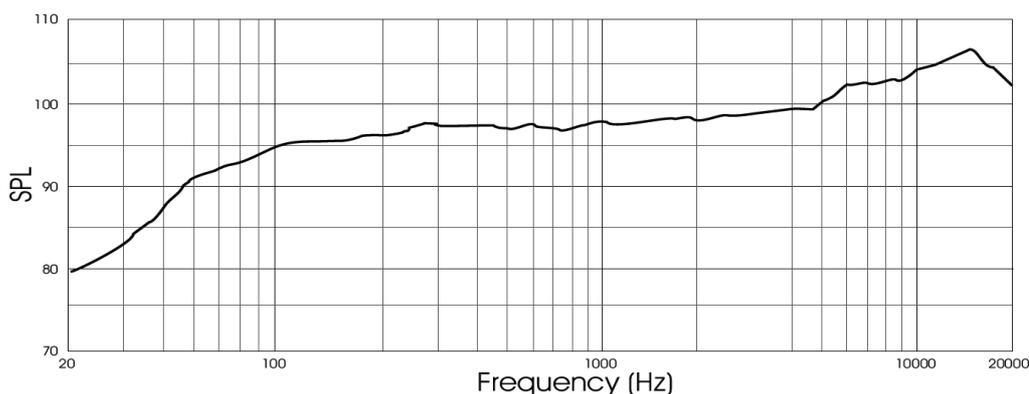
- Birch Plywood Box
- Two Way
- 8" Mid-Woofer
- 1" Compression Driver Horn

### Applications

- Vertical Line Array or Single Pole Mount
- Medium Public Address
- Open Sites
- Audio Visual
- Fixed Installation

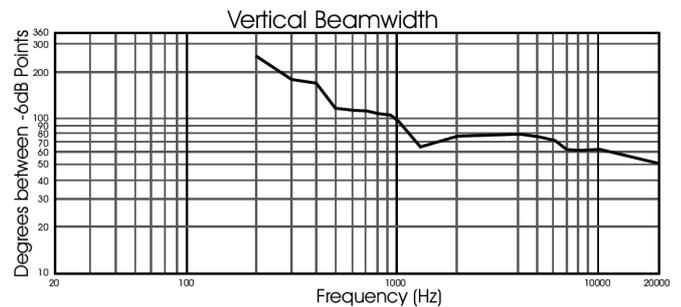
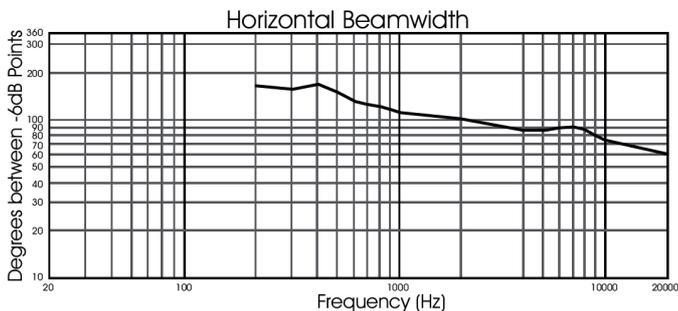
### Specifications

- selfpowered 2-way
- integrated DSP
- 16 selectable Presets
- 360 + 60 Watts RMS
- 127dB max SPL @ 1m
- 90Hz - 18KHz +/- 4 dB
- XLR + 1/4" Jack Inputs
- 42.5 x 23 x 31.5 cm 13Kg
- 90°h x 70°v Dispersion



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## Specifications

Selfpowered Loudspeaker System with 16 integrated DSP Set Ups:

### Acoustic

Power Handling	360 + 60 watt RMS (1)
Max Power	500 watt RMS (2)
Impedance	4 Ohm
Op. Freq. Range	70 Hz - 20 KHz (3)
Frequency Range	90Hz-18 KHz +/- -4 dB (4)
SPL 1W/1mt	98 dB (5)
Maximum SPL	128 dB (6)

### Coverage

Horizontal	90° (averaged on nominal bandwidth)
Vertical	70° (averaged on nominal bandwidth)

### Cross Over

Type	active 24 dB/oct + Phase Correction
Frequency	1,6 KHz (7)

### Transducers

Low Frequency	8" Mid-Woofer whit 2.5" Voice Coil
High Frequency	1" Compression Driver

### Input

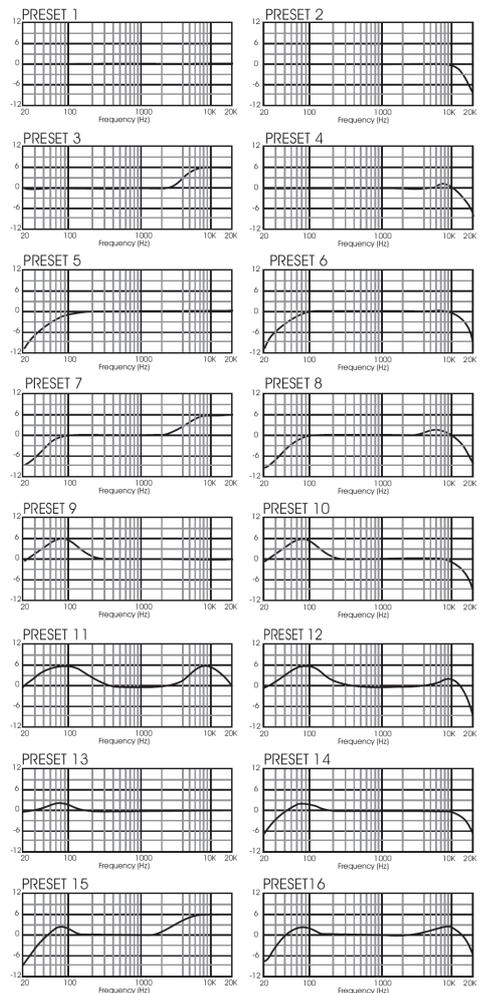
connectors	balanced XLR + 1/4" Jack
wiring	parallel

### Amplifier

Type	2-wy class A/B
Power	360W RMS @ 4 Ohm + 60 W RMS @ 8 Ohm
Protections	Limit, over current, temperature, short circuit

### Power

Operating Range	210 V - 230V AC @ 50 Hz
max cont. current	2A > 10 sec.
max burst current	4 A < 1 sec.



1. Power handling is measured following AES standard conditions: Transducers driven continuously for two hours with a band-limited noise signal with 6 dB crest factor.
2. Max power is the maximum applicable power for a musical signal. The reference signal is proposed by EIAJ standard.
3. Recommended maximum operating frequency range. Response depends on loading conditions and room acoustics.
4. Free field measured with 1/3 octave frequency resolution at 2 meters.
5. Measured at 4 meters and scaled to 1 meter.
6. Measured with audio source at 1 meter.
7. In which the transducers produce the same sound pressure level (measured@2 meters).
8. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance.

New materials and design are introduced into existing products without previous notice.  
Present systems may differ in some respects from those presented in this brochure.