

## Features

Birch Plywood Box  
Two Way  
10" Mid-Woofer + 1" Compression Driver

## Applications

Medium and Large PA  
Open Spaces  
Audio Visual  
Fixed Installation

## Specifications

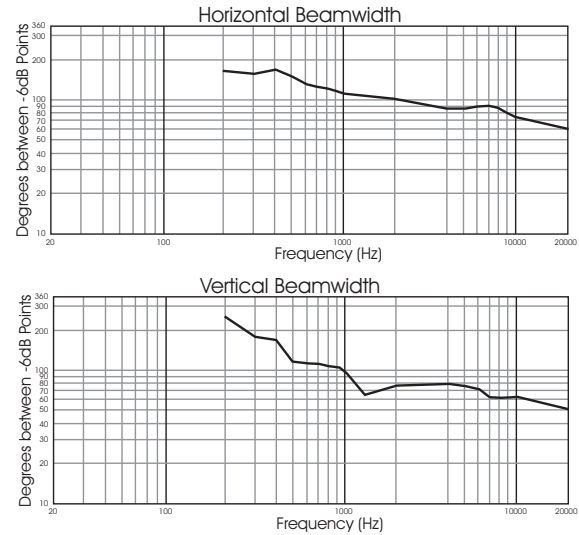
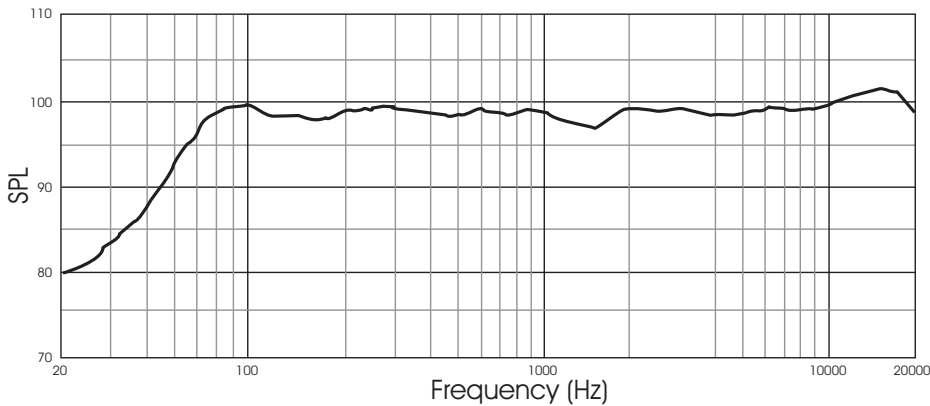
500 Watts RMS MAX Power  
97 dB 1W/1mt  
65Hz - 18KHz +/- 4 dB  
XLR and Jack connectors  
27.5x48x37 cm 15Kg  
90°h x 60°v Dispersion



The F10P is full-range 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 10" low-mid frequency driver and a 1" high frequency compression driver on an elliptical 90°H x 60°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.

L'F10P è una cassa full-range amplificata a due vie, che integra un amplificatore controllato elettronicamente. L'utilizzo di componenti elettronici sofisticati consente una perfetta resa dell'amplificatore con i componenti driver e woofer, il tutto assemblato in modo da aver la miglior resa nel minor spazio possibile. Progettata infatti per lavorare in conferenze, teatri, installazioni audio e video e tutte quelle situazioni dove è richiesta molta potenza con un minimo ingombro. La cassa è composta da un cono da 10" per le basse e da un driver a compressione da 1" caricato a tromba, 90° h X 60° v, per le alte. Sul pannello posteriore abbiamo montato l'amplificatore in classe AB, raffreddato da una ventola da 60mm che ne garantisce il corretto raffreddamento in ogni situazione. Inoltre questo amplificatore è dotato di due limiter settati a garantirne la sicurezza dei componenti e la loro resa migliore. Nella parte inferiore troviamo una flangia per aste da 35mm, mentre i punti di aggancio M8 sono posti sopra, sotto e a i lati, studiati per essere utilizzati con l'M8 XXL flying Kit. La cassa è costruita in multistrato di betulla da 16mm, incastrato ed incollato insieme, ad assicurarne la massima resistenza e rigidità, sul frontale abbiamo in fine una griglia in metallo a protezione dei componenti, il tutto è verniciato in nero semi lucido.

## Two Way 10" High-Performances Speakers



### Technical Specifications

#### Acoustic

**Power Handling** 360+60 watt RMS<sup>15</sup>  
**Max Power** 500 watt RMS<sup>2</sup>  
**Impedance** 4 ohm  
**Operating Frequency Range** 55 Hz - 20 KHz<sup>3</sup>  
**Frequency Range** 65Hz-18 KHz +/-4 dB<sup>4</sup>  
**SPL 1W/1mt** 97 dB<sup>5</sup>  
**Maximum SPL** 122 dB<sup>6</sup>

#### Coverage

**Horizontal** 90° (averaged on nominal bandwidth)  
**Vertical** 60° (averaged on nominal bandwidth)

#### Cross Over

**Type** 24 dB/oct slope with Phase Correction  
**Frequency** 1.8 KHz<sup>7</sup>

#### Transducers

**Low Frequency** 10" Woofer whit Cloth Edge and 2.5" Voice Coil  
**High Frequency** 1" Compression Driver

#### Input

**Connector** Balanced female XLR and balance 1/4" Jack  
**Wiring** The two connectors are wired in parallel mode, it is possible to use one of them as input and the other as parallel out to feed another active speaker.

#### Amplifier

**Type** Two way Class A/B  
**Power** 360 + 60 Watt RMS<sup>8</sup>  
**Protections** Limiter, Over-current, over-themp., short-circ.

#### AC Power

**Operating Range** 210 VAC - 240 VAC 50 Hz  
**Max Continuous and Burst Current** 2A (>10 sec.), 4A (<1sec.)

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

### DX16 Processor Presets

