The Blackline F10 is a versatile, 2-way passive system, designed to provide exceptional sound reinforcement and stage monitoring from a very compact enclosure. It features a powerful 10" (250mm) low frequency driver and a 1" (25mm) HF compression driver mounted on a constant directivity 90° x 50° horn. Depending on the application, the HF horn can be rotated to allow the multi-angle enclosure to be used in either its vertical or horizontal orientation.

The 2-way passive design of the F10 enables simple, high performance systems to be put together whilst minimising the number of amplifier channels required. Where extra low frequency is required, sub-bass systems such as the Blackline S12, S15 or S18 may be added.

The enclosure is provided with ten M8 inserts and four M8 inserts for a variety of mounting arrangements. It is also provided with a top hat fitting for use with a tripod or as a pole socket for mounting above the Blackline subwoofer.

Use of a controller with the F10 is optional. For demanding applications, an M3 or DX1 controller configured to perform EQ and limiter functions is recommended.
Blackline **F10**
Compact two-way passive system

polar plots

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Blackline **F10**
Compact two-way passive system

**F10 Horizontal Magnitude in dB SPL/2.83V at 1 meter**

![Graph of F10 horizontal magnitude](image)

**F10 Horizontal Beamwidth**

![Graph of F10 horizontal beamwidth](image)

**F10 Vertical Beamwidth**

![Graph of F10 vertical beamwidth](image)
Blackline **F10**  
Compact two-way passive system

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Overall dimensions

- **Height:** 351mm (13.8"")  
- **Width:** 500mm (19.69")  
- **Depth:** 133mm (5.24")

- **230mm (9.05")**
- **32mm (1.25")**
- **317mm (12.48")**
- **125mm (4.92")**
- **147mm (5.78")**
- **70mm (2.76")**
- **12mm (.49")**
- **47mm (1.86")**
- **43mm (1.69")**
- **414mm (16.32")**
- **180mm (7.09")**

**F10**
The loudspeaker system shall be of the two-way passive type consisting of one 10" (250mm) direct radiating reflex loaded low frequency transducer and one 1" (25mm) exit HF compression driver mounted on a user rotatable constant directivity horn in a multi-angled enclosure. The enclosure shall be of a multi-laminate birch ply construction with integral pole mount and threaded inserts for wall and ceiling mounting. Low and high frequency sections shall be integrated by an internal 2kHz passive crossover network.

Performance of the loudspeaker system with its electronic controller shall meet or exceed the following criteria:

- Frequency response measured 1 metre on axis shall be 65Hz-20kHz ±3dB.
- High frequency dispersion at -6dB points shall be 90°H x 50°V.
- Power handling shall be 300W AES, 1200W peak.
- Rated impedance shall be 8 ohms.
- Maximum SPL measured at 1 metre on axis shall be 119dB continuous, 125dB peak.
- Dimensions (W) 351mm x (H) 500mm x (D) 317mm (13.8ins x 19.7ins x 12.5ins).
- Weight 17kg (37lbs).

The loudspeaker system shall be the Martin Audio F10.