Blackline F15A
Wide-bandwidth system

features
- Wide-bandwidth system
- Multi-angle birch ply enclosure
- User rotatable 80° x 50° horn
- Top hat fitting for tripod mounting
- Switchable active/passive operation
- 1.4" (35mm) exit compression driver
- Five year limited warranty

applications
- Live club performance
- High powered stage monitoring
- Club installs

The switchable active/passive Blackline F15A is a high performance, wide-bandwidth system in an incredibly compact and efficient package. Extended frequency response is provided by a 15" (380mm) LF driver teamed with a 1.4" (35mm) exit compression driver mounted on a rotatable 80° x 50° constant directivity HF horn. The F15A is perfect for higher power applications where ease of installation or speed of deployment are important factors.

The Blackline F15A's multi-angle birch ply cabinet allows it to be used as a high power floor monitor. This ergonomic design and its rotatable HF horn makes near-ceiling mounting and aiming easy in venues with restricted height. Its twelve M8 inserts make a variety of mounting methods possible including horizontal or vertical mounting.

The F15A comes with a top hat fitting for tripod mounting. This fitting can also be used as a pole socket when the F15A is used with, for instance, a Blackline S18 subwoofer.

A Martin Audio M3 Electronic Controller is available to provide F15A crossover and limiter facilities. See the M3 Electronic Controller Technical Specifications for suitable M3 Controller Cards.
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**F15A Vertical**
- 200Hz ± 1/3 oct smoothing
- 400Hz ± 1/3 oct smoothing
- 800Hz ± 1/3 oct smoothing
- 1kHz ± 1/3 oct smoothing
- 2kHz ± 1/3 oct smoothing
- 4kHz ± 1/3 oct smoothing
- 8kHz ± 1/3 oct smoothing

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**F15A Horizontal**
- 200Hz ± 1/3 oct smoothing
- 400Hz ± 1/3 oct smoothing
- 800Hz ± 1/3 oct smoothing
- 1kHz ± 1/3 oct smoothing
- 2kHz ± 1/3 oct smoothing
- 4kHz ± 1/3 oct smoothing
- 8kHz ± 1/3 oct smoothing
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Frequency responses

F15A Horizontal Magnitude in dB SPL/2.83V at 1 meter

F15A Horizontal Beamwidth

F15A Vertical Beamwidth

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overall dimensions
The loudspeaker system shall be of the two-way passive type consisting of one 15" (380mm) direct radiating reflex loaded low frequency transducer and one 1.4" (35mm) 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. Bi-amp or passive operation shall be selected by a switch at the rear of the enclosure. In bi-amp mode the loudspeaker shall be operated with a separate electronic controller providing a 1.2kHz crossover between low and high frequency sections. In passive mode the low and high frequency sections shall be integrated by an internal 1.2kHz 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 55Hz-18kHz ±3dB.
- High frequency dispersion at -6dB points shall be 80˚H x 50˚V.
- Power handling shall be 400W AES, 1600W peak LF/Passive, 75W AES, 300W peak HF.
- Rated impedance shall be 8 ohms LF/ Passive, 16 ohms HF.
- Maximum SPL measured at 1 metre on axis shall be 123dB continuous, 129dB peak Passive, 124dB continuous, 130dB peak Bi-amp.
- Dimensions (W) 471mm x (H) 690mm x (D) 443mm (18.5ins x 27.2ins x 17.5ins).
- Weight 33kg (72.6lbs).

The loudspeaker system shall be the Martin Audio F15A.