The Blackline S12+ is an extremely compact sub-bass system. It has been designed for use with the F8+ and F10+ full-range loudspeakers in situations where extended low frequency output and increased system headroom are required. When used with an F8+ or F10+, it will extend the response of the complete system to below 50Hz.

It features a new, high power 12” (300mm)/3” (75mm) voice coil, long excursion drive unit reflex loaded in a birch plywood enclosure. The driver has a water resistant cone and inside/outside coil windings for improved heat transfer. The S12+ can operate in either passive add-on mode using its own internal switchable passive network or may be used actively with an M3+ or DX1.5 controller. In the active configuration, the controller will provide crossover, EQ and limiter functions for the S12+ and F8+/F10+ combination.

The S12+ is provided with a top hat fitting that can be used to pole mount an F8+ or F10+ above the enclosure.
Blackline S12+
Compact, sub-bass system

overall dimensions

398mm
[15.65”]

364mm
[14.33”]

329mm
[12.96”]

169mm
[6.65”]

162mm
[6.38”]

571mm
[22.48”]

97mm
[3.8”]

157mm
[6.17”]

S12+
## Blackline S12+ Technical Specifications

**Type:** Compact, sub-bass system

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FREQUENCY RESPONSE (1)</strong></td>
<td>52Hz-150Hz ± 3dB, -10dB @ 43Hz</td>
</tr>
<tr>
<td><strong>DRIVERS</strong></td>
<td>12&quot; (300mm)/3&quot; (75mm) voice coil LF driver</td>
</tr>
<tr>
<td><strong>RATED POWER (2)</strong></td>
<td>400W AES, 1600W peak</td>
</tr>
<tr>
<td><strong>SENSITIVITY (3)</strong></td>
<td>100dB (half space)</td>
</tr>
<tr>
<td><strong>MAXIMUM SPL (9)</strong></td>
<td>126dB continuous, 132dB peak (half space)</td>
</tr>
<tr>
<td><strong>NOMINAL IMPEDANCE</strong></td>
<td>8 ohms</td>
</tr>
<tr>
<td><strong>CROSSOVER</strong></td>
<td>120Hz active/passive low pass filter</td>
</tr>
<tr>
<td><strong>ENCLOSURE</strong></td>
<td>55 litre, multi-laminate birch ply</td>
</tr>
<tr>
<td><strong>FINISH</strong></td>
<td>Textured black paint</td>
</tr>
<tr>
<td><strong>PROTECTIVE GRILLE</strong></td>
<td>Black perforated steel</td>
</tr>
<tr>
<td><strong>CONNECTORS</strong></td>
<td>2 x Neutrik NL4</td>
</tr>
<tr>
<td><strong>FITTINGS</strong></td>
<td>1 x mounting pole socket + 2 x pocket handles</td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>(W) 398mm x (H) 571mm x (D) 364mm</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>20kg (44lbs)</td>
</tr>
</tbody>
</table>

**Notes:**

1. Measured on-axis in half space at 2 metres, then referred to 1 metre.
3. Measured in half space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
4. Measured in half space at 2 metres using band limited pink noise, then referred to 1 metre.
5. Measured in open (4"x) space at 2 metres, then referred to 1 metre.
6. Measured in open (4"x) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
7. Measured in open (4"x) space at 2 metres using band limited pink noise, then referred to 1 metre.
8. Measured in open (4"x) space at 2 metres with 2.83V input, using band limited pink noise, then referred to 1 metre.
9. Calculated at 1 metre.

**Architectural and Engineering Specifications**

The loudspeaker system shall be of the compact sub-bass type consisting of one 12" (300mm)/3" (75mm) voice coil direct radiating reflex loaded low frequency transducer in a multi-laminate birch ply enclosure. The enclosure shall be fitted with an integral pole mount and a switchable active/passive internal 120Hz low pass filter 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 52Hz-150Hz ±3dB.
- **Power handling** shall be 400W AES, 1600W peak.
- **Rated impedance** shall be 8 ohms.
- **Maximum SPL** calculated at 1 metre on axis shall be 126dB continuous, 132dB peak (half space).
- **Dimensions** (W) 398mm x (H) 571mm x (D) 364mm (15.6ins x 22.5ins x 14.3ins).
- **Weight** 20kg (44lbs).

The loudspeaker system shall be the Martin Audio S12+.