IS119 User Manual
Version 1.0

- Distribution Date: June 1st, 2017
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This manual must be accessible to the person operating this product. As such, the product owner must store it in a safe place and make it available upon request to any operator.

Resale of this product must include a copy of this manual.

If this manual becomes damaged or additional copies are needed, please email support@adamsonsystems.com.

Declarations

CE Declaration of Conformity

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Adamson Systems Engineering declares that the products stated below are in conformance with the relevant fundamental health and safety criteria of the applicable EC Directive(s), in particular:

930-0028 IS10 & IS119 Support Frame
930-0021 S-Series Extended Beam
930-0022 S-Series Moving Point Extended Beam
930-0030 IS10 Micro Frame
932-0037 H-Clamp

994-0005 IS119
994-0006 IS119b
973-0006 IS10
973-0007 IS10b

Established at Port Perry, ON, CA - June 1st, 2017

Brock Adamson (President & CEO)
# Safety & Warnings

- Read these instructions, keep them available for reference. They can be downloaded any time from [https://www.adamsonsystems.com/en/support/downloads-directory/is-series/is119](https://www.adamsonsystems.com/en/support/downloads-directory/is-series/is119). Heed all warnings and follow all instructions.

- A qualified technician must be present during the installation and use of this product. This product is capable of producing extremely high sound pressure levels and should be used according to the specified local sound level regulations and good judgement. Adamson Systems Engineering will not be liable for damages caused by any possible misuse of this product.

- Servicing is required when the loudspeaker has been damaged in any way, such as when the loudspeaker has been dropped, or when for undetermined reasons the loudspeaker does not operate normally.

- Protect the cabling from being walked on or pinched.

- Read the IS-Series Rigging Manual before installing the IS119.

- Pay attention to rigging instructions included in both Blueprint AV™ and the IS-Series Rigging Manual.

- Use only with the rigging frames/accessories specified by Adamson, or sold with the loudspeaker system.

- This speaker enclosure is capable of creating a strong magnetic field. Please use caution around the enclosure with data storage devices such as hard drives.
In an effort to continuously improve its products, Adamson releases updated accompanying software, presets and standards for its products. Adamson reserves the right to change the specifications of its products and the content of its documents without prior notice.
Wiring & Amplification

Wiring

The **IS119** *(994-0005)* comes with 4x Neutrik Speakon™ NL4 connections, wired in parallel. The 2 rear connections pass pin 1 +/- to the driver and the 2 front connections pass pin 2 +/- to the driver.

The **IS119b** *(994-0006)* comes with an external barrier strip mounted to the rear grill. Terminals 1, +/- are passed to the driver, terminal 2, +/- are not connected.

To operate the IS119b in FB or FBF cardioid mode, swap the front and rear grills by:

1. Removing the six screws holding each grill to the side rigging pieces
2. Unclipping the grill with the barrier strip from the rear PCB, and swapping the grills
3. Re-clipping the grill with the barrier strip to the front PCB and affix with the same screws
Wiring & Amplification

The IS119 is paired with Lab.gruppen D-Series amplifiers. Maximum quantities of the IS119 per amplifier model are shown below. For a master list, please refer to the Adamson PLM & Lake Handbook, found on our website.

Use LoadSmart™ verification to ensure that all connections are made properly. On the D-Series line of amplifiers, LoadSmart™ can be accessed through Lake Controller. Please refer to the Adamson Lake & PLM Handbook, which is included in the Adamson LoadLibrary, which can be found on the Adamson Website.
The Adamson LoadLibrary contains presets designed for 3 different IS119 deployments. Furthermore, there are presets designed to pair with either the IS7 or the IS10. The below preset descriptions pertain to the standalone subwoofer presets. For a master list, please refer the Adamson PLM & Lake Handbook, found on our website.

### Subwoofer Configuration

<table>
<thead>
<tr>
<th>Presets</th>
<th>Applicable Preset</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS119 32dB</td>
<td>All IS119 forward facing</td>
</tr>
<tr>
<td>IS119 FB 32dB</td>
<td>Bottom IS119 forward facing, top IS119 reversed</td>
</tr>
<tr>
<td>IS119 FBF 32dB</td>
<td>Bottom and top IS119 forward facing, middle IS119 reversed</td>
</tr>
<tr>
<td>IS119 EF66 32dB</td>
<td>Two IS119 stacks, distance from front grill to front grill of 66&quot; (1.7m)</td>
</tr>
</tbody>
</table>

### Alignment

When flown or stacked in the same array as an IS10, all IS119 presets contain the inherent delay needed to be properly phase-aligned. When flown separately or ground stacked, IS119 subs should be phase-aligned to the IS10 array using measurement software.
### Technical Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range (+/- 3dB)</td>
<td>30 Hz - 80 Hz</td>
</tr>
<tr>
<td>Maximum Peak SPL **</td>
<td>138 dB</td>
</tr>
<tr>
<td>Components LF</td>
<td>ND19 19&quot; Kevlar Neodymium Driver</td>
</tr>
<tr>
<td>Nominal Impedance LF</td>
<td>8 Ω</td>
</tr>
<tr>
<td>Power Handling (AES / Peak) LF</td>
<td>1200 / 4800 W</td>
</tr>
<tr>
<td>Rigging</td>
<td>Integrated Rigging System</td>
</tr>
<tr>
<td>Connection</td>
<td>4x Speakon™ NL4 (2x Front 1+/1-, 2x Rear 2+/2-), or Barrier Strips</td>
</tr>
<tr>
<td>Height Front (mm / in)</td>
<td>544 / 21.4</td>
</tr>
<tr>
<td>Width (mm / in)</td>
<td>737 / 29</td>
</tr>
<tr>
<td>Depth (mm / in)</td>
<td>645 / 25.4</td>
</tr>
<tr>
<td>Weight (kg / lbs)</td>
<td>44.5 / 98</td>
</tr>
<tr>
<td>Colour</td>
<td>Black &amp; White (Standard), RAL Colours (On Demand)</td>
</tr>
<tr>
<td>Processing</td>
<td>Lake</td>
</tr>
</tbody>
</table>

**12 dB crest factor pink noise at 1m, half space, using specified processing and amplification**