Removing and Replacing an I/O Module

1. Turn off the device.
2. Using a Phillips-head screwdriver, remove the two screws attaching the module to the back of the chassis, as shown in step 2.
3. Slide the module the rest of the way into the chassis until the module engages with the chassis connector, as shown in step 3.
4. Reinstall the mini-SDI connector to the chassis, as shown in step 1.

Warning: Make sure the module is level and goes into the device smoothly without binding or scraping other modules. The module must slide easily until you feel it engage the internal connector and you see that it is flush with the back of the device. Do not force the module.

Note: The AHC-561 audio card is being deprecated on the Electra 9200/9200D. It is recommended for the Electra 9200 and 9200D.

Electra™ 9200 and ProStream® 9100 Component Replacement Guide

This table shows module configurations available for the Electra 9200 and 9200D.

<table>
<thead>
<tr>
<th>Slot 1</th>
<th>Slot 2</th>
<th>Slot 3</th>
<th>Slot 4</th>
<th>Slot 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLEX-1</td>
<td></td>
<td></td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>IOM-RAC2</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AHC-RAC</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>1 or 2 per chassis</td>
</tr>
<tr>
<td>AHC-561</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>1 or 2 per chassis</td>
</tr>
<tr>
<td>BVSB</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>1 per chassis</td>
</tr>
<tr>
<td>ASI In</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Cannot be used with FLEX

This table shows module configurations available for the ProStream 9100.

<table>
<thead>
<tr>
<th>Slot 1</th>
<th>Slot 2</th>
<th>Slot 3</th>
<th>Slot 4</th>
<th>Slot 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual GbE</td>
<td></td>
<td></td>
<td></td>
<td>1 per chassis</td>
</tr>
<tr>
<td>Dual SgE</td>
<td></td>
<td></td>
<td></td>
<td>1 or 2 per chassis</td>
</tr>
<tr>
<td>BVSB</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>Up to 4 per chassis</td>
</tr>
<tr>
<td>ASI-SER</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>Up to 5 per chassis</td>
</tr>
</tbody>
</table>

Technical Support

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For complete Electra 9200 installation instructions, refer to the Electra 9200 Installation Guide.

For complete ProStream 9100 installation instructions, refer to the ProStream 9100 Installation Guide.

Warning: This illustrations in this guide show the cover of the device removed. The illustrations were created with the cover removed for ease of explanation. The cover should never be removed.

Note: Some procedures in this guide may vary between devices. Please read the instructions carefully before replacing any components on your device.

Module Slots

The illustrations below show the slot numbers of the dual power supply model of the Electra 9200 (ELC-9200D) and the ProStream 9100.

Electra 9200

ProStream 9100

Module Slot Configurations

Note: The bottom-right card is card 2. The top-right card is card 4. The bottom-left card is card 1. The top-left card is card 3.

Warning: Unpack and handle the module away from electric motors, transformers, and similar machinery.

When facing the front of the device:
- The bottom-left card is card 1.
- The top-left card is card 3.
- The bottom-right card is card 2.
- The top-right card is card 4.

Note: Wear the appropriate ESD protection when unpacking modules from their antistatic packing material.

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Removing and Replacing the Bezel

Note: You do not need to turn off the device when removing and replacing the bezel.

To remove the bezel:
1. Locate the lever on the front of the bezel, and push to the right to disengage the right side of the bezel, as shown in step 1.
2. Pull the right side of the bezel toward you, as shown in step 2.
3. Ease the bezel away from the fan tray. The bezel is secured to the fan tray by a clip, as shown in step 3.
4. Ease the left side of the bezel away from the unit, as shown in step 4.

Removing and Replacing a Power Supply

Note: Electra 92000 or ProStream 9100: If you are replacing only one power supply on a dual power supply device, you do not need to turn off the device.

To remove a power supply:
1. Remove the bezel.
2. Using a Phillips-head screwdriver, remove the two screws that attach the fan tray assembly to the chassis, as shown in step 2.
3. Grasp the front of the fan tray assembly, and pull the tray firmly but smoothly toward you to disengage it from the PC connector inside the device, as shown in step 3.
4. Slide the fan tray assembly away from the chassis.

Warning: If the fan tray unit is removed for more than two minutes, the device may shut down.

Replacing the Power Supply Fuse

Note: For single power supply models of the Electra 9200, a spare fuse is located in the fuse cover. No fuse is available on dual power supply models of the Electra 92000 or the ProStream 9100.

To replace the power supply fuse:
1. Unplug the power cord.
2. Pull down the fuse cover, and remove the old fuse.
3. Install the new fuse.

Replacing the Power Supply

Note: Electra 92000 or ProStream 9100: If you are replacing a power supply on a single power supply device, you do not need to turn off the device.

To remove a power supply:
1. With the bezel and fan tray assembly removed, insert the power supply into the chassis until it engages with the connector, as shown in step 1.
2. If necessary, use a Phillips-head screwdriver to attach the bracket to the right side of the chassis, as shown in step 2.
3. Reinstall the fan tray assembly.
4. Reinstall the bezel.
5. Connect power to the power supply.

Warning: If the power supply is removed for more than two minutes, the device may shut down.

Replacing the Air Filter

Note: You may need to slide the chassis forward to enable this procedure. You do not need to turn the device off to remove and replace the air filter.

To remove the air filter:
1. Using your fingers, push up on the air filter unit from the bottom of the chassis until the filter is displaced, as shown in step 1.
2. Remove the filter from the chassis.
3. Inspect the air filter for dirt, and clean it if necessary.

Warning: The front panel display on the device is susceptible to electrostatic discharge (ESD) when the bezel is removed.

Warning: The front panel display unit attaches to the front of the fan tray unit. The front panel display should never be removed.

Warning: The front panel display unit attaches to the front of the fan tray unit. The front panel display unit should never be removed.