**RC7-PD2™ Application Guide**

**Poly Director II**

**LINK Cable Specs**
Integrator-Supplied CAT6 UTP Cable
EIA568A or EIA568B (Min. 30’ to 300’ Max)

**Important:** Due to the power demands of Poly's Director II, it is best practice to utilize SCT's provided RC-RKL™ rack shelf to facilitate ventilation.

**Module Dimensions**
- **RC7-CE™:** 1.625”H x 6.625”W x 4.625”D
- **RC7-HE™:** 1.625”H x 8.875”W x 4.625”D

**Power Supply**
- WPS-48 48VDC
  - 100-240V-47-63Hz

**RC7-PD2™ Application Guide**

- **RCC-C030**
  - HDMI/RJ45 to Mini-HDCI Cable

- **RCC-H030**
  - HDCI to HDMI/9 Pin Cable

- **RCC-C016**
  - 1’ Audio Cable

- **PPC-015**
  - 1’ Power Cable

- **Poly Supplied**
  - Audio Cable #2457-69476-001
  - 3.5mm Adapter #1517-09350-001

- **Poly RPG300, 500, 700 & 7500**

- **3rd Party Device**
  - Optional 3rd Party Audio Input

- **Optional 3rd Party Audio Output**
  - (Please Note: Not a Loop Out)

- **RJ45 Pinout**
  - T-568A
  - T-568B
**TEST YOUR SCTLink™ CABLE**

We highly recommend using an Ethernet Network Tester/Analyzer alongside our provided PowerSniffer to confirm your SCTLink™ wiring. Our PowerSniffer only tests conductor continuity and will not identify data integrity or capacity issues.

1. Test and verify your CAT6 SCTLink™ cable for UTP 568A/568B. This cable must be between 30ft - 300ft. **The LINK cable between the RC7-CE module (transmitter) & RC7-HE module (receiver) must always be a single, point-to-point CAT cable with no couplers or interconnections.**
2. Connect the provided PowerSniffer to the EagleEye Director II end of your CAT6 SCTLink™ cable.
3. Connect the other end of the SCTLink™ cable to the “SCTLink™” connection on the Head End module.
4. Connect the WPS-48 power supply to the Head End module.
5. Connect the WPS-48 power supply to AC mains.
6. If the SCTLink™ cable is properly terminated, it will display eight GREEN LEDs. If you get any other result, **stop and re-terminate cable.**
7. Once your SCTLink™ cable has been tested, please disconnect the WPS-48 power supply from the RC7-HE module, and the PowerSniffer from the SCTLink™ cable, before proceeding to install.

**INSTALL THE EXTENSION KIT**

Before integrating your RC7-PD2™ extension kit, please ensure your Poly EagleEye Director II base is connected to your two EagleEyeIV cameras (Power and Ethernet connections) via Poly’s instructions.

**Connect the camera-end cables:**

1. Connect the RCC-C030 mini-HDCI end to the mini-HDCI input on the EagleEye Director II base.
   - Connect the RCC-C030 HDMI leg cable to the RC7-CE’s HDMI “HDMI In” port.
   - Connect the 9pin leg cable to the RC7-CE’s “Power Serial/IR” port.
2. Connect the RCC-C016 1’ Audio Cable between the RC7-CE “Line Out” port and the EagleEye Director II’s audio TRS input.
3. Connect the PPC-015 Power Cable between the EagleEye Director II’s power input and the RC7-CE’s power input, labeled “12VDC Output”.
4. Connect the RCC-H030’s HDCI end to the primary HDCI input on the Group Series codec.
   - Connect the HDMI leg cable to the RC7-HE’s HDMI “Output 1” port.
   - Connect the 9Pin leg cable to the RC7-HE’s port labeled ‘Serial/IR’.
5. Connect the Polycom supplied audio cable between the RC7-HE’s “Line In” port and the Group Series Codec’s audio inputs.

**Connect and Initiate the Extended System:**

6. Connect one end of your CAT6 SCTLink™ cable to the RC7-HE module’s “SCTLink™” port. Connect the other end to the RC7-CE module’s “SCTLink™” port.
7. Connect the WPS-48 Power Supply to the RC7-HE.

**Installation Status** - Refer to our modules’ LEDs for installation status.

For assistance troubleshooting INACTIVE LED statuses, please contact Tech Support at 203-854-5701.

<table>
<thead>
<tr>
<th>MODULE</th>
<th>LED LABEL</th>
<th>ACTIVE STATUS</th>
<th>INACTIVE STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RC7-CE</td>
<td>OK LED</td>
<td>Blinking Green (~1 second interval)</td>
<td>Blinking or Solid Red</td>
</tr>
<tr>
<td>RC7-HE</td>
<td>OK LED</td>
<td>Blinking Green (~1 second interval)</td>
<td>Blinking or Solid Red</td>
</tr>
<tr>
<td>RC7-HE</td>
<td>LINK LED</td>
<td>Solid Green</td>
<td>Solid Red or Dormant</td>
</tr>
</tbody>
</table>

**Cable Table** - Part numbers, descriptions and functions of all provided SCT cables.

This kit includes [1] RC-RKL™ Rack Shelf.

<table>
<thead>
<tr>
<th>CABLE</th>
<th>DESCRIPTION</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCC-C030</td>
<td>HDMI/9pin to Mini-HDCI Cable</td>
<td>Video/control connection between Director II base and RC7-CE Module.</td>
</tr>
<tr>
<td>RCC-C016</td>
<td>Audio Cable</td>
<td>Audio connection between Director II base and RC7-CE module.</td>
</tr>
<tr>
<td>PPC-015</td>
<td>Power Cable</td>
<td>Supplies power from RC7-CE module to the Director II base.</td>
</tr>
<tr>
<td>RCC-H030</td>
<td>3’ HDMI/ DB9 to HDCI</td>
<td>Video/control connection between RPG Series Codec and RC7-HE module.</td>
</tr>
</tbody>
</table>

**Power Supply Specifications (AC-Mains Side):** Input Voltage: 100VAC to 240VAC 47Hz to 63Hz. Efficiency: 85% minimum. Turn-on Surge: Less than 60 amperes for a duration less than 1mS. Power Factor: 0.9 minimum (where applicable). 48VDC power supply uses 2.80 amperes AC maximum. All specifications subject to change without notice.