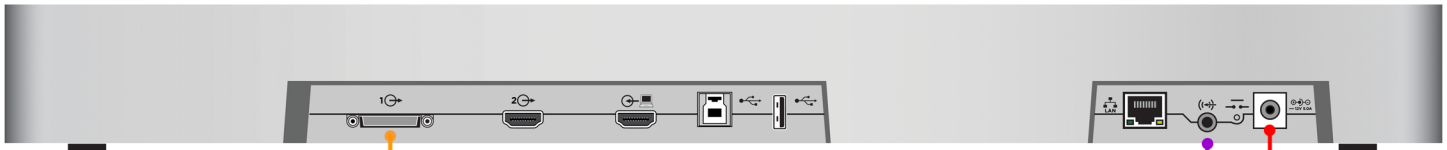
Sound Control Technologies

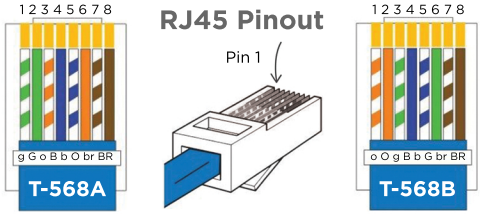
RC7-PD2™ Application Guide

Updated: 5/14/2020

Poly Director II



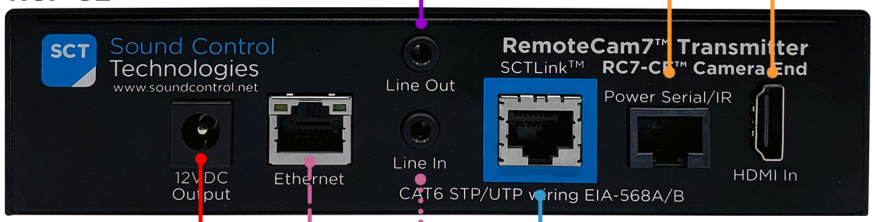
LINK Cable Specs
Integrator-Supplied CAT6 UTP Cable
EIA568A or EIA568B (Min. 30' to 300' Max)



RCC-C030
HDMI/RJ45 to
Mini-HDCI Cable

RCC-C016
1' Audio Cable

RC7-CE™



PPC-015
1' Power Cable

LINK Cable
Power, Control & Video

Optional

Optional 3rd Party Audio Input

RC7-HE™

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

Optional

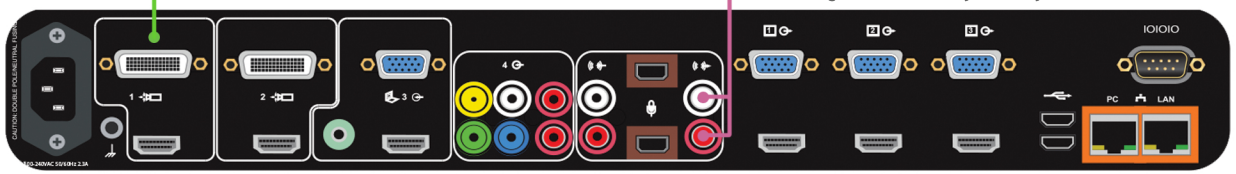
Optional 3rd Party Audio Output
(Please Note: Not a Loop Out)

3rd Party Device

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

RCC-H030
HDCI to HDMI/
9 Pin Cable

Poly RPG300, 500, 700 & 7500



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

Sound Control Technologies

RC7-PD2™ Installation Instructions

Updated: 5/14/2020

Supporting the Poly EagleEye Director II
and Group Series 300, 500, 700 & 7500 Codecs

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".

Connect the codec-end cables:

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.

• ALLOW UP TO TWO MINUTES FOR THE EAGLEEYE DIRECTOR II SYSTEM TO INITIALIZE •

Installation Status - Refer to our modules' LEDs for installation status.
For assistance troubleshooting INACTIVE LED statuses, please contact Tech Support at 203-854-5701.

MODULE	LED LABEL	ACTIVE STATUS	INACTIVE STATUS
RC7-CE	OK LED	Blinking Green (~1 second interval)	Blinking or Solid Red
RC7-HE	OK LED	Blinking Green (~1 second interval)	Blinking or Solid Red
RC7-HE	LINK LED	Solid Green	Solid Red or Dormant

Cable Table - Part numbers, descriptions and functions of all provided SCT cables.
This kit includes **[1] RC-RKL™ Rack Shelf**.

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

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.