SCT RCC-H030-1.0M RC-SDA+ Gen2 Adding Soft Codec Support to Camera User Guide

Contents

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Product Information

Product	Description
RC-SDA+ Gen2TM	A device used for adding soft codec support to camera/codec systems. It is available in two versions – with or without DSP (Digital Signal Processing).
RCC-H030-1.0M HDCI Y Cable to HDMI/DB9	A cable that allows connection between HDCI (High Definition Camera Interface) and HDMI/DB9 interfaces.
Poly RPG300, RPG500, RPG700 & G7500	Camera/codec systems offered by Poly.
RCC-M003-1.0M USB 3.0 A to A	A USB cable with Type-A connectors used for connecting devices.
Audio Mixer	A device used for mixing audio signals.
WPS-12 30VDC 100-240V 47-63Hz Power Supply	A power supply unit providing a voltage of 30VDC and compatible with input voltages ranging from 100V to 240V and frequencies between 47Hz and 63Hz.
PC Running Soft Codec	A personal computer running software-based codecs for audio and video processing.
HDMI Cable	A cable used for transmitting high-definition audio and video signals over HDMI interfaces.
Audio Cable	A cable used for transmitting audio signals. It needs to be purchased separately.
Audio DSP	An audio digital signal processor used for audio signal enhancement and processing. It is available only when adding soft codec support with DSP.

Product Usage Instructions

Adding Soft Codec Support to Camera/Codec Systems (No DSP)

1. Connect the RC-SDA+ Gen2TM device to the camera/codec system using the Poly-Supplied HDCI to Mini HDCI Cable.
2. Connect the PC running soft codec to the RC-SDA+ Gen2TM device using the RCC-M003-1.0M USB 3.0 A to A cable.
3. If required, connect an audio mixer to the RC-SDA+ Gen2TM device using audio cables purchased separately.
4. Connect the power supply unit (WPS-12 30VDC 100-240V 47-63Hz) to the RC-SDA+ Gen2TM device.
5. If necessary, connect an HDMI cable (purchased separately) to the camera/codec system.
6. Set the soft codec to use software AEC (default mode).

Adding Soft Codec Support to Camera/Codec Systems (With DSP)

1. Connect the RC-SDA+ Gen2TM device to the camera/codec system using the Poly-Supplied HDCI to Mini HDCI Cable.

2. Connect the PC running soft codec to the RC-SDA+ Gen2TM device using the RCC-M003-1.0M USB 3.0 A to A cable.
3. If required, connect an audio mixer to the RC-SDA+ Gen2TM device using audio cables purchased separately.
4. Connect the audio digital signal processor (Audio DSP) to the RC-SDA+ Gen2TM device.
5. Connect the power supply unit (WPS-12 30VDC 100-240V 47-63Hz) to the RC-SDA+ Gen2TM device.
6. If necessary, connect an HDMI cable (purchased separately) to the camera/codec system.
7. Set the soft codec to disable AEC:
    - In MS Teams, select High Fidelity Music Mode and uncheck Enable echo cancellation.
    - In Zoom, enable Original Sound and uncheck Echo Cancellation.

Adding Soft Codec Support to Poly Camera (No Codec, no DSP)

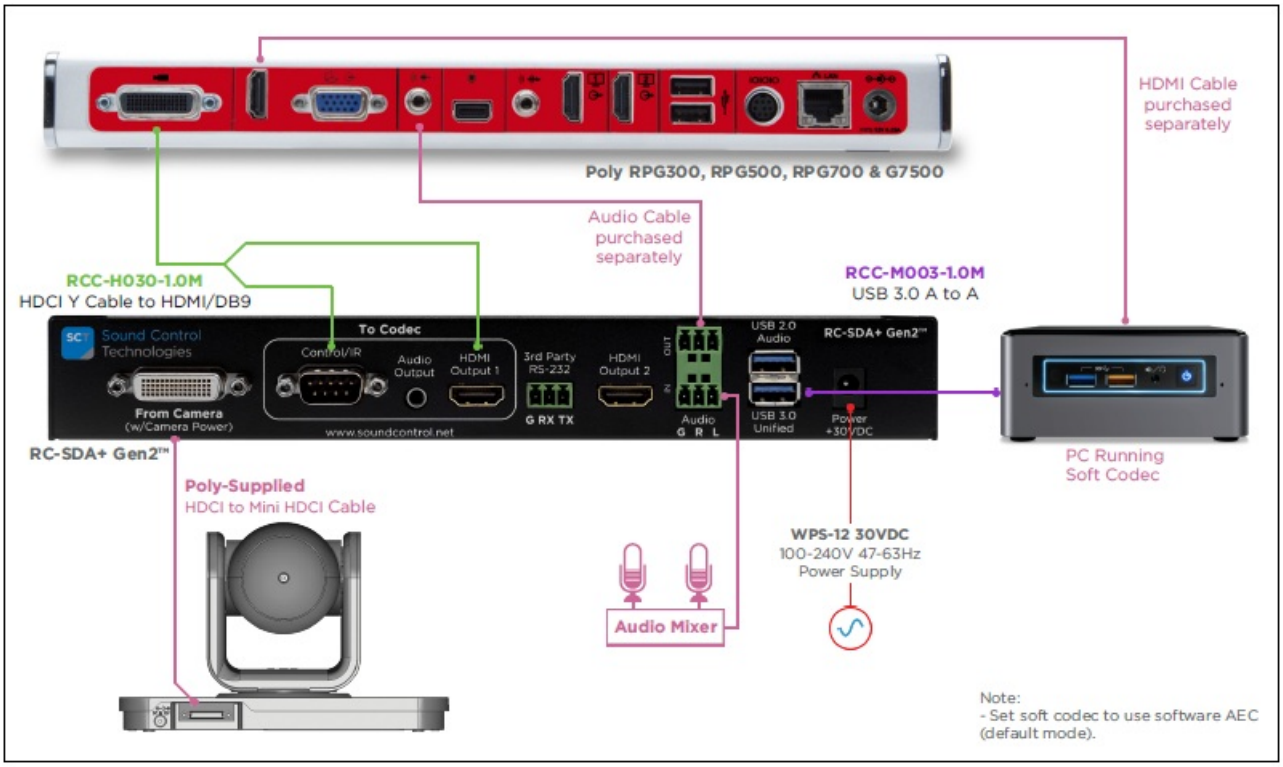
1. Connect the RC-SDA+ Gen2TM device to the Poly camera using the Poly-Supplied HDCI to Mini HDCI Cable.
2. Connect the PC running soft codec to the RC-SDA+ Gen2TM device using the RCC-M003-1.0M USB 3.0 A to A cable.
3. If required, connect an audio amp to the RC-SDA+ Gen2TM device using audio cables purchased separately.
4. Connect the power supply unit (WPS-12 30VDC 100-240V 47-63Hz) to the RC-SDA+ Gen2TM device.
5. If necessary, connect an HDMI cable (purchased separately) to the Poly camera.
6. Set the soft codec to use software AEC (default mode).

Adding Soft Codec Support to Poly Camera (No Codec, with DSP)

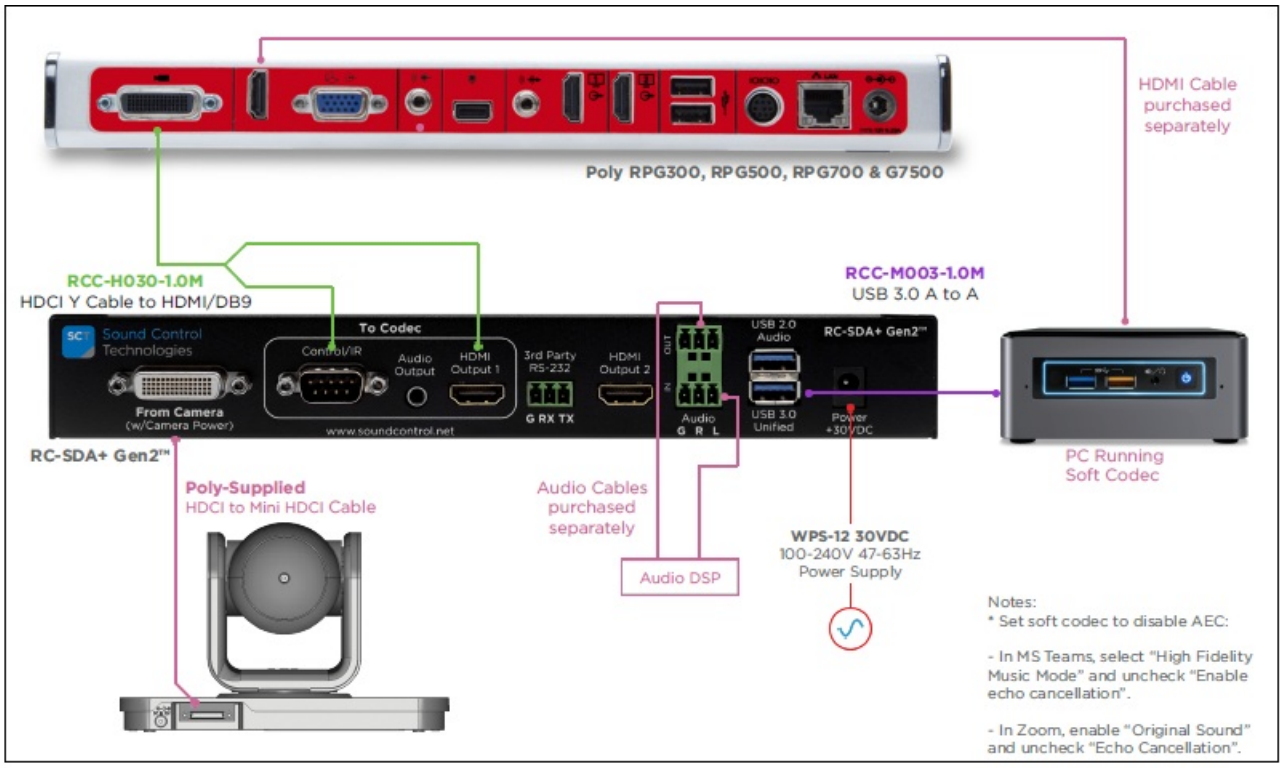
1. Connect the RC-SDA+ Gen2TM device to the Poly camera using the Poly-Supplied HDCI to Mini HDCI Cable.
2. Connect the PC running soft codec to the RC-SDA+ Gen2TM device using the RCC-M003-1.0M USB 3.0 A to A cable.
3. If required, connect an audio amp to the RC-SDA+ Gen2TM device using audio cables purchased separately.
4. Connect the audio digital signal processor (Audio DSP) to the RC-SDA+ Gen2TM device.
5. Connect the power supply unit (WPS-12 30VDC 100-240V 47-63Hz) to the RC-SDA+ Gen2TM device.
6. If necessary, connect an HDMI cable (purchased separately) to the Poly camera.
7. Set the soft codec to disable AEC:
    - In MS Teams, select High Fidelity Music Mode and uncheck Enable echo cancellation.
    - In Zoom, enable Original Sound and uncheck Echo Cancellation.

RC-SDA+ Gen2™ Design Guide with Codec

Adding Soft Codec Support to Camera/Codec Systems (No DSP)



Adding Soft Codec Support to Camera/Codec Systems (With DSP)



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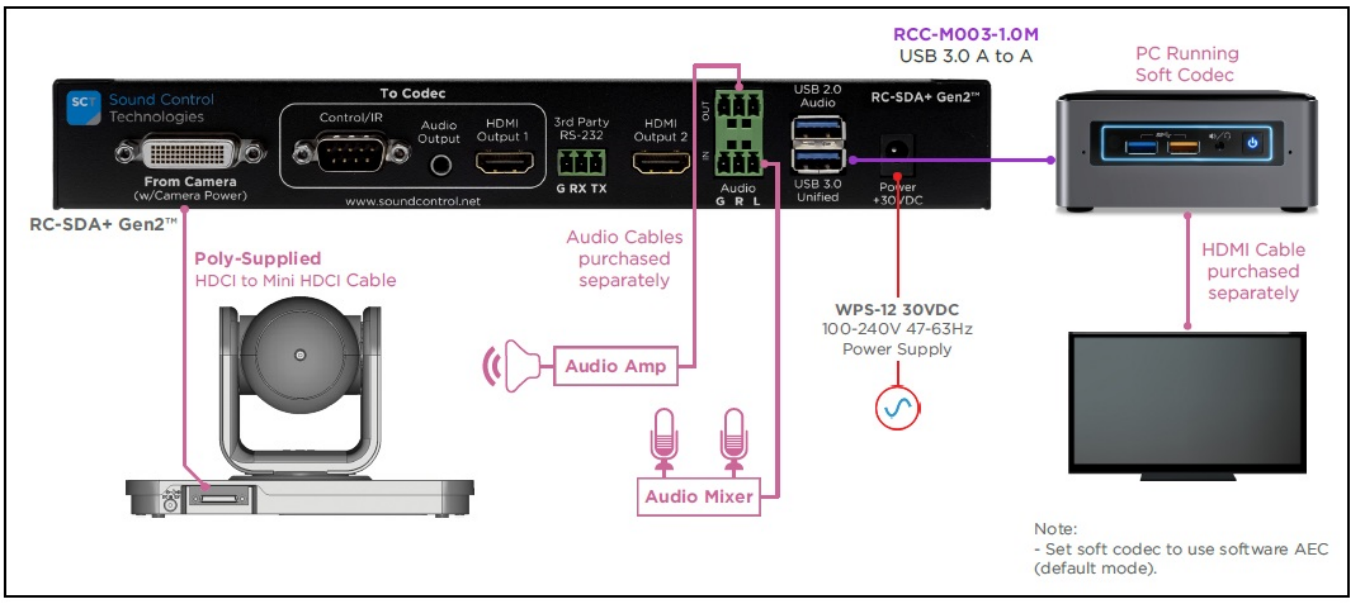

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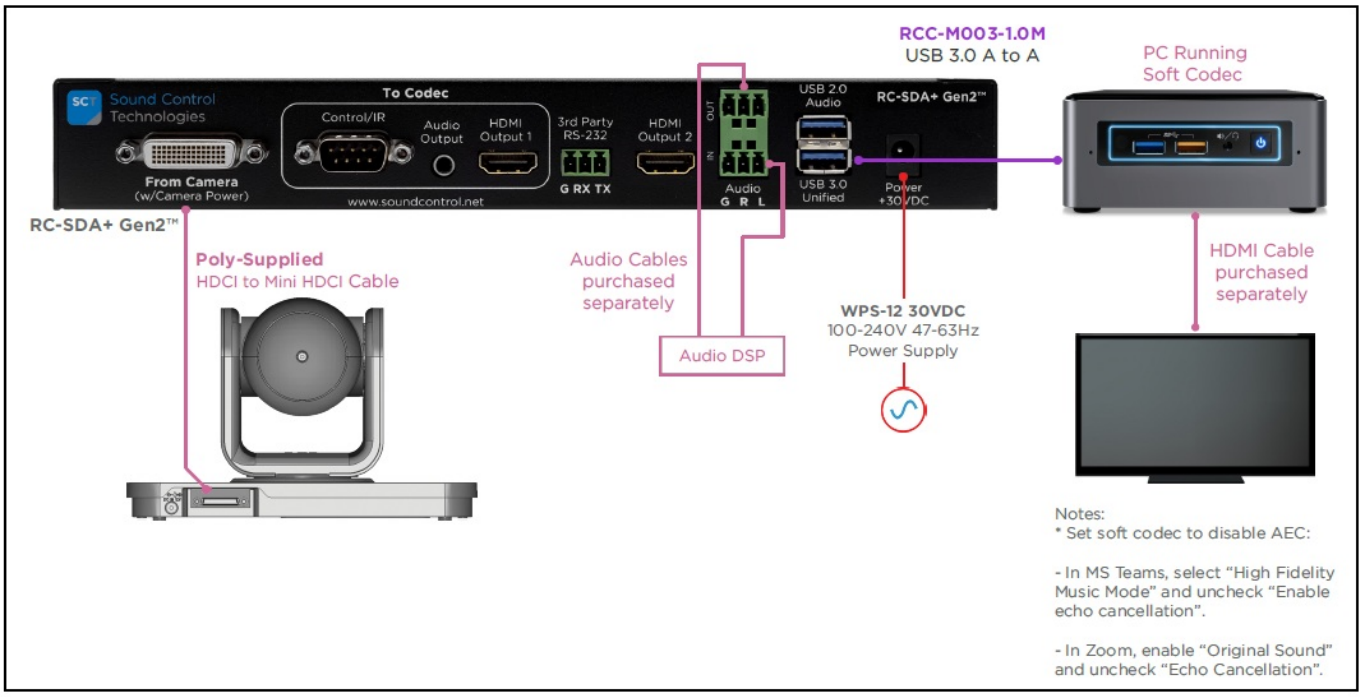
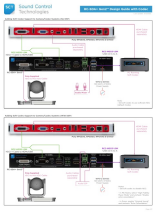


Documents / Resources

	SCT RCC-H030-1.0M RC-SDA+ Gen2 Adding Soft Codec Support to Camera [pdf] User Guide RCC-H030-1.0M RC-SDA Gen2 Adding Soft Codec Support to Camera, RCC-H030-1.0M, RC-SDA Gen2 Adding Soft Codec Support to Camera, Gen2 Adding Soft Codec Support to Camera, Adding Soft Codec Support to Camera, Codec Support to Camera, Camera