

Partner: Polycom
Model: VSX7000 & VSX8000
Device Type: Video Conference



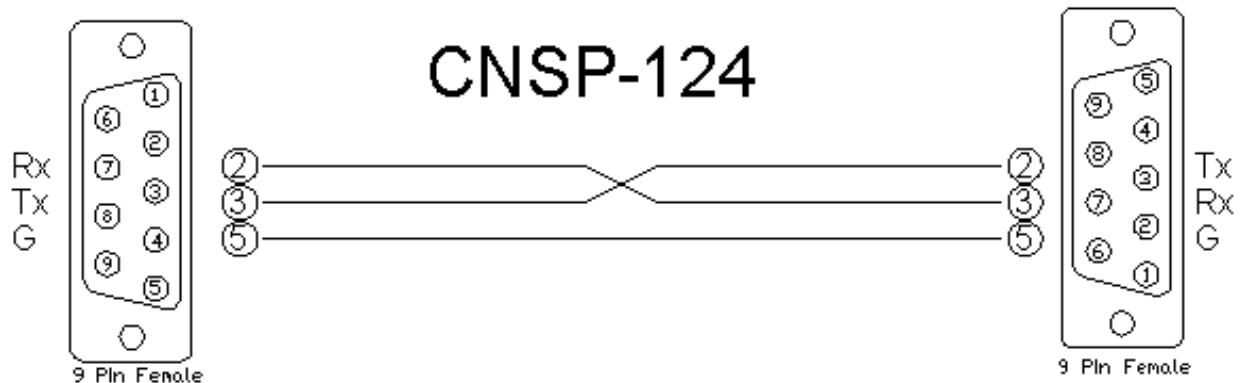
GENERAL INFORMATION

SIMPLWINDOWS NAME:	Polycom VSX7000 & VSX8000 Video Switching
CATEGORY:	Conferencing
VERSION:	1.0
SUMMARY:	Provides source selection for transmitted and received video.
GENERAL NOTES:	<p>This module is for control of the Polycom VSX7000 & VSX8000.</p> <p>You can communicate with these systems over RS232 or over TCP/IP. If using TCP/IP, follow these instructions:</p> <p>You MUST open up a Telnet session with the Polycom system. Therefore, you must have an Ethernet enabled control system.</p> <p>When programming the system in SimplWindows, you should insert a TCP/IP Client object into the Ethernet portion of the control system, in the configuration manager. In the program view, use 24D for the PORT parameter field. When it is desired to establish the Telnet session with the Polycom system, assert the CONNECT input on the TCP/IP Client. When the session has been successfully established, the CONNECT-F output will go high. It will then be possible to send commands to the Polycom system. When it is desired to end the Telnet session, de-assert the CONNECT input, and the connection will be dropped.</p> <p>Commands should only be sent to the TCP/IP Client TX\$ input when the connection is active. Therefore, you should connect the output of this module to the input of a Serial Buffer symbol, which is enabled by the CONNECT-F output of the TCP/IP Client. The output of the Serial Buffer should be connected to the TX\$ input of the TCP/IP Client. See the demo program for an example of this implementation.</p> <p>Note that before resetting the Crestron system (as happens when you load a new program, power cycle the system, etc), you should end the Telnet session with the Polycom system. If the session is active when the Crestron system resets, the session will not be closed properly, and the Polycom system may need to be rebooted to recover properly.</p> <p>This module will allow any of the four available near end sources to be sent to the far end, and it will allow any of the 5 available far end sources to be received. True feedback from the Polycom system is provided indicating the currently transmitted near and far end sources. For this module to work properly, you must have used the Polycom VSX7000 & VSX8000 Initialization module.</p>
CRESTRON HARDWARE REQUIRED:	CNXENET+, C2ENET-1, C2ENET-2, CNXCOM, C2COM, ST-COM

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SETUP OF CRESTRON HARDWARE:	<p>TCP/IP: Install a TCP/IP Client Use port 24D. Be sure the set up the IP table to specify the IP address of the Polycom system for the IP ID of the TCP/IP Client. You MUST do a cold reboot of the control system after changing these parameters.</p> <p>RS232: Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1</p>
VENDOR FIRMWARE:	Snowbird 7.0
VENDOR SETUP:	You must set one of the com ports on the VSX to control mode.
CABLE DIAGRAM:	CNSP-124



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**CONTROL:**

NEAR-CAM-<camera #>	D	Pulse to select the near end source to send.
FAR-CAM<camera #>	D	Pulse to select the far end source to receive.
From_Device\$	S	Serial signal to be routed from a 2-way serial com port or from the TCP/IP Client.

FEEDBACK:

NEAR-CAM-<camera #>-FB	D	High to indicate the source being sent.
FAR-CAM-<camera #>-FB	D	High to indicate the source being received.
To_Device\$	S	Serial signal to be routed to a 2-way RS232 com port or to the TCP/IP Client.

TESTING:

OPS USED FOR TESTING:	PRO2: 3.137 CNMSX: 5.14.02x
COMPILER USED FOR TESTING:	2.05.22
SAMPLE PROGRAM:	Polycom VSX7000 & VSX8000 Demo
REVISION HISTORY:	V. 1.0 – Original release.