

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



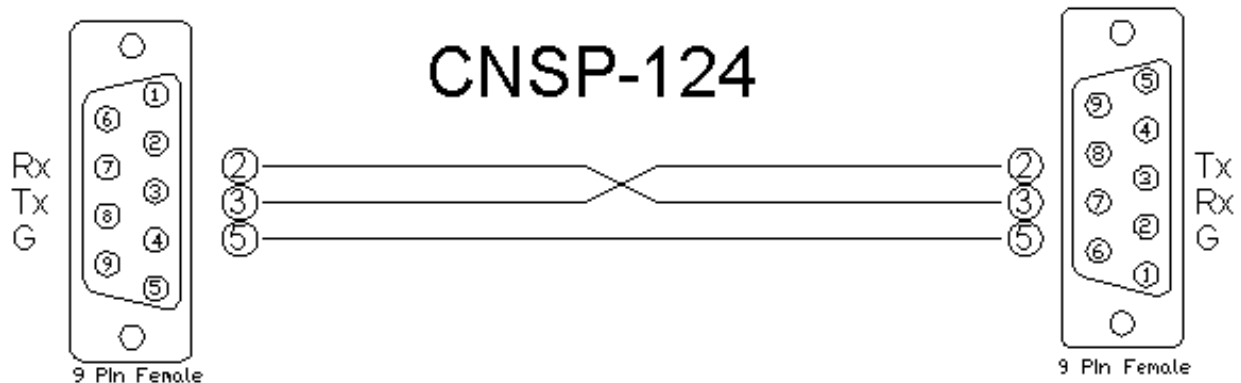
## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Polycom VSX7000 & VSX8000 Initialization
<b>CATEGORY:</b>	Conferencing
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	Sends initialization commands to the Polycom system.
<b>GENERAL NOTES:</b>	<p>This module is for control of the Polycom VSX7000 &amp; 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 <b>MUST</b> 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 send initialization commands to the Polycom system. These commands will enable the Polycom system to report when changes are made to the volume level, and privacy state, near source, far source, and sleep mode. It will also request the current volume level, privacy state, PIP state, near and far sources. It is recommended to activate this module before using any other modules to control the Polycom system. It will take approximately three seconds to complete the initialization process.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	CNXENET+, C2ENET-1, C2ENET-2, CNXCOM, C2COM, ST-COM

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<b>SETUP OF CRESTRON HARDWARE:</b>	<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>
<b>VENDOR FIRMWARE:</b>	Snowbird 7.0
<b>VENDOR SETUP:</b>	You must set one of the com ports on the VSX to control mode.
<b>CABLE DIAGRAM:</b>	CNSP-124



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**CONTROL:**

<b>Initialize</b>	D	Pulse to activate the initialization routine.
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**FEEDBACK:**

<b>Initialize_Busy</b>	D	High while the initialization is in progress.
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<b>To_Device\$</b>	S	Serial signal to be routed to a 2-way RS232 com port or to the TCP/IP Client.
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**TESTING:**

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