

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



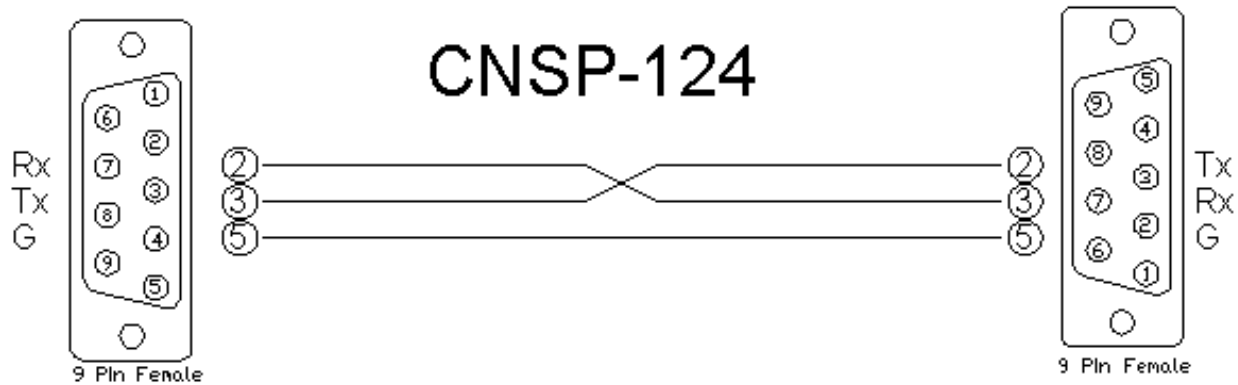
## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Polycom VSX7000 & VSX8000 Audio Dialing
<b>CATEGORY:</b>	Conferencing
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	Allows audio calls to be placed.
<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 allows a telephone call to be placed. Using the keypad (0-9, *, #) when the phone is on the hook (hung up) will cause the digits to be displayed at the Audio_Number\$ output. When Dial is pressed, the phone will be taken off the hook, and the number displayed will be sent to the Polycom. After the phone is off the hook, any additional digits entered will be sent directly to the Polycom. This is primarily for navigating thru voicemail systems.</p>

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<b>CRESTRON HARDWARE REQUIRED:</b>	CNXENET+, C2ENET-1, C2ENET-2, CNXCOM, C2COM, ST-COM
<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>Audio_Off_Hook</b>	D	Pulse to take the telephone off the hook or answer the phone.
<b>Audio_On_Hook</b>	D	Pulse to put the telephone on hook or hang up the phone.
<b>Audio_Key_*</b>	D	Pulse to enter a phone number to be dialed.
<b>Audio_Dial</b>	D	Pulse to take the telephone off the hook and dial the number currently entered.
<b>Audio_Answer</b>	D	Pulse to answer an incoming call.
<b>From_Device\$</b>	S	Serial signal to be routed from a 2-way serial com port or from the TCP/IP Client.

**PARAMETERS:**

<b>Max Characters &lt;50D</b>	P	Maximum characters to be displayed in the phone number.
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**FEEDBACK:**

<b>Audio_Off_Hook_Fb</b>	D	High to indicate that the telephone is off hook.
<b>Audio_On_Hook_Fb</b>	D	High to indicate that the telephone is on hook.
<b>Audio_Number\$</b>	S	Serial signal displaying the phone number being entered.
<b>To_Device\$</b>	S	Serial signal to be routed to a 2-way serial com port or to the TCP/IP Client.

**TESTING:**

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