

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



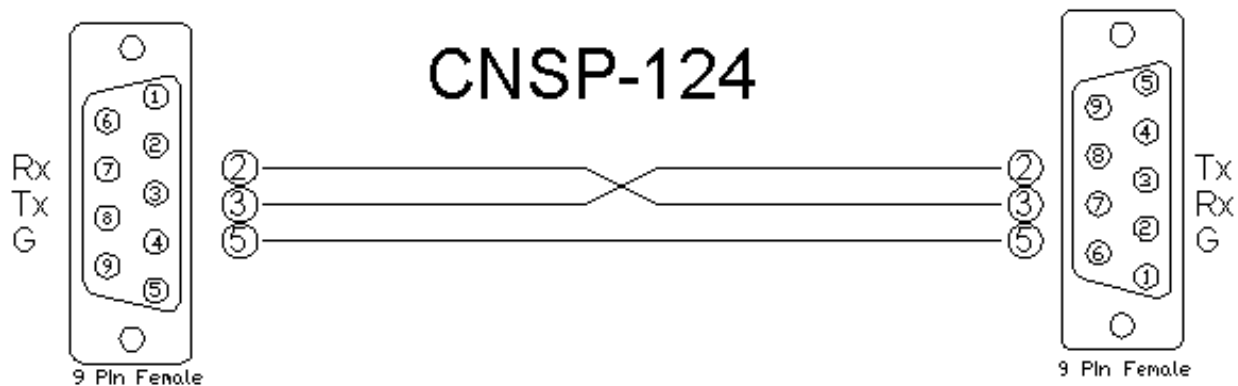
GENERAL INFORMATION

SIMPLWINDOWS NAME:	Polycom VSX7000 & VSX8000 Video Dialing
CATEGORY:	Conferencing
VERSION:	1.0
SUMMARY:	Allows video calls to be placed.
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 allows video calls to be placed. Phone numbers as well as numeric and alphanumeric IP addresses can be entered and dialed. Therefore, an entire alphabetic keypad is provided to allow the number/name of the site to be entered. This module does not store presets, however it can be used in conjunction with the "Address with Site Names" or the "Addressbook" module to implement an address book that stores numbers as well as name of up to 100 sites in alphabetical order. For each call placed, a call speed can be selected. This module provides for 20 different call speeds. Since the Polycom system supports so many different call speeds, parameter fields are provided where you can type in the 20 call speeds you want to use. So for a speed of 384, enter 384 in the parameter field. For a speed of 2x56, enter 2x56 in the parameter field.</p> <p>The macro allows one or two number calls to be placed manually. Phone numbers are entered, and dialed as follows:</p> <ol style="list-style-type: none">1. Select a call speed.2. Select Select_Number_1, and type in the first phone number.3. If there is a second number, select Select_Number_2 and type in the second number. Otherwise, leave this field blank. You have the option of copying the first number to the second number. You can always reselect either number and re-enter it.4. When both number fields are displaying the correct numbers, press DIAL. Your call will be placed.

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CRESTRON HARDWARE REQUIRED:	CNXENET+, C2ENET-1, C2ENET-2, CNXCOM, C2COM, ST-COM
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:**

Select_Number_*	D	Pulse to select the number to enter.
Select_Addressbook_Name	D	Pulse to select the addressbook name to enter.
Select_None	D	Pulse to deselect all fields for entry.
Copy_Num1_Num2	D	Pulse to copy the first number to the second number.
Clear_Num1+Num2	D	Pulse to clear both first and second number fields.
Speed_<speed number>	D	Pulse to select one of the 20 speeds that were entered in the corresponding parameter fields.
Key_Enter	D	If pressed while Num1 is active, it will select Num2. If pulsed while Num2 is active, it will dial the call.
Video_Dial	D	Dials the numbers currently entered immediately.
Video_Hang_Up	D	Disconnects any currently active video calls.
Keyboard_*	D	Full alphanumeric keyboard used for entering phone numbers and addressbook names based on which field was selected using the Select_* inputs above.

PARAMETERS:

Speed-*	P	Used to specify which call speeds are desired. Only enter speeds, which your Polycom system supports. Enter 0 (Zero) for any unused fields.
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**FEEDBACK:**

Select_Number*_Fb	D	Indicates which field has been selected for entry.
Speed*_Fb	D	Indicates which speed has been selected for the call.
Video_Number*\$	S	Serial signal displaying the first and second numbers entered. Can be routed to an indirect text field as well as to an addressbook module for preset storage/recall.
Addressbook_Name\$	S	Serial signal displaying the addressbook name. Can be routed to an indirect text field as well as to an addressbook module for preset storage/recall.
Video_Quality	A	Analog signal indicating which call speed was selected. Can be routed to an addressbook module for preset storage/recall.
To_Device\$	S	Serial signal to be routed to a 2-way serial 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.