

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



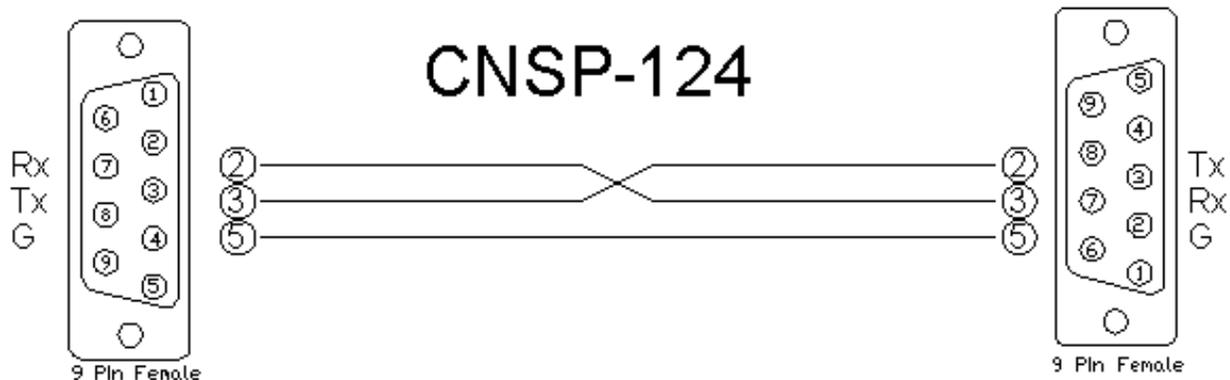
GENERAL INFORMATION

SIMPLWINDOWS NAME:	Polycom VSX7000 & VSX8000 Video Addressbook
CATEGORY:	Conferencing
VERSION:	1.0
SUMMARY:	Allows video calls to be placed using the Polycom Addressbook.
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 the Polycom internal address book to be accessed and displayed on the Crestron touch panel. You can specify how many entries are displayed per page using the Entries Per Screen parameter. This must be a number between 1d and 25d. You can move between pages using the First/Previous/Next/Last_Page inputs. When you select an entry using the Select_* input, the name, call speed, and number associated with that entry will be provided at the Name_Selected\$, Speed_Selected\$ and Number_Selected\$ outputs. When you pulse Dial, the last entry selected will be dialed.</p> <p>This module also allows you to limit the number of characters that will be displayed for the site name, call speed, and number. Use the corresponding parameter fields to set up these values. This will allow you to prevent sending too much text to an indirect text field on a touch panel.</p> <p>Note that for this module to work correctly, you must have first used the Polycom Initialization module.</p> <p>This module also provides some limited call status messages at the STATUS\$ output.</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:**

First_Page	D	Pulse to display the first page of address book.
Previous_Page	D	Pulse to display the previous page of the address book.
Next_Page	D	Pulse to display the next page of the address book.
Last_Page	D	Pulse to display the last page of the address book.
Select_<entry number>	D	Pulse to select an entry from the list.
Dial	D	Pulse to dial the last entry selected.
From_Device\$	S	Serial signal to be routed from a 2-way serial com port or from the TCP/IP Client.

PARAMETERS:

MAX-CHARACTERS-NAME <51D	P	Maximum number of characters to display for the names.
MAX-CHARACTERS-SPEED	P	Maximum number of characters to display for the speed.
MAX-CHARACTERS-NUMBER	P	Maximum number of characters to display for the number.
Entries Per Page (1d-25d)	P	Number of entries to display per page.

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**FEEDBACK:**

Current_Page	A	Indicates which page of the address book is being displayed.
Total_Pages	A	Indicates the total number of pages in the address book.
Name_<entry number>\$	S	Serial signal containing the site names for the current page.
Name_Selected\$	S	Serial signal containing the name of the currently selected entry.
Speed_Selected\$	S	Serial signal containing the speed of the currently selected entry.
Number_Selected\$	S	Serial signal containing the number of the currently selected entry.
Status	S	Serial signal containing call-status messages.
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.