

**SIMPLWINDOWS  
NAME:**

Polycom ViewStation v60 Audio Dialing

**CATEGORY:**

Codec

**VERSION:**

1.0

**SUMMARY:**

Allows telephone calls to be placed/answered

**GENERAL NOTES:**

This module is for control of any Polycom ViewStation systems except for the VS4000 and ViewStation FX. It will work with Polycom Software version 6.0.1 only. Future releases of Polycom software may cause some functions to stop working.

The only method available for communications with these systems is over TCP/IP, opening up a Telnet session with the Polycom system. Therefore, you must have a CNXENET+ card installed in your control system to enable communications.

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.

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.

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.

This module allows a telephone call to be placed. Using the keypad (0-9) when the phone is on hook (hung up) will cause the digits to be displayed at the PHONE-NUMBER\$ output. When DIAL is pressed, the phone will be taken off hook, and the number displayed will be sent to the Polycom. After the phone is off hook, any additional digits entered will be sent directly to the Polycom. This is primarily for navigating through voice mail systems. Note that the \* and # keys are not available. These digits are not supported by this version of Polycom software.

**CRESTRON  
HARDWARE:**

CNXENET+

**SETUP OF CRESTRON  
HARDWARE:**

Install a TCP/IP Client

Use port 23D

Be sure to 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.

**VENDOR FIRMWARE:** Release 6.0.1 - 30 Aug 2000  
**VENDOR SETUP:** None  
**CABLE DIAGRAM:** None

## CONTROL:

<b>OFF-HOOK</b>	D	Pulse to take the telephone off hook, or answer phone
<b>ON-HOOK</b>	D	Pulse to put the telephone on hook, or hang up phone
<b>KEYPAD-0-9</b>	D	Pulse to enter a phone number to be dialed
<b>KEYPAD-CLEAR</b>	D	Pulse to clear the number entered
<b>KEYPAD-BACKSPACE</b>	D	Pulse to erase the last digit entered
<b>DIAL</b>	D	Pulse to take the telephone off hook, and dial the number currently entered
<b>PRESET-1-10</b>	D	Pulse to select a speed dial preset
<b>PRESET-STORE</b>	D	Pulse to activate save mode. Pressing a preset while save mode is active will cause the currently entered number to be saved to that preset
<b>POLYCOM-RX\$</b>	S	Serial signal to be routed from the Polycom system.

## FEEDBACK:

<b>PHONE-NUMBER\$</b>	S	Serial signal containing the phone number being entered. Should be routed to the serial portion of a touchpanel definition
<b>OFF-HOOK-FB</b>	D	Indicates that the telephone is currently off hook
<b>ON-HOOK-FB</b>	D	Indicates that the telephone is currently on hook
<b>PRESET-*-FB</b>	D	Indicates the last speed dial preset selected
<b>PRESET-STORE-FB</b>	D	Indicates that save mode is active
<b>POLYCOM-TX\$</b>	S	Serial signal to be routed to the Polycom system

**.UPZ FILE USED FOR TESTING:** 5.12.01x.upz  
**COMPILER USED FOR TESTING:** SimplWindows Version 1.51.08  
**SAMPLE PROGRAM:** Polycom ViewStation v60 Demo Program  
**REVISION HISTORY:** None