

**SIMPLWINDOWS  
NAME:**

Polycom(Aspi) Vortex Multiple Unit Dialer

**CATEGORY:**

Conferencing

**VERSION:**

1.0

**SUMMARY:**

Controls the dialing functions

**GENERAL NOTES:**

The commands used for the Polycom(Aspi) Vortex may be similar to commands used for other Polycom(Aspi) products. Therefore, the same modules developed for the Vortex may work on other Polycom(Aspi) products. To allow for this flexibility of use, you must specify which Polycom(Aspi) model is being controlled using the TYPE-ID-HEX parameter field. This must be a 2 digit hex representation of the model type as defined by Polycom (Aspi). This module has been tested with the EF2241. The EF2241 model type is B, therefore the parameter value to use is 42 which is the hex representation of the letter B. For the EF2201, the model type is T, therefore the parameter value to use is 54 which is the hex representation of the letter T. This can be seen by checking any standard ASCII chart. There should be no suffix used after the 42, 46 or the 54.

NOTE: THIS MODULE HAS ONLY BEEN TESTED WITH THE EF2241 AND THE EF2280 AND THE EF2201. IT HAS NOT BEEN TESTED WITH THE EF200, EF1210, EF2210 OR THE EF2211.

NOTE: The Polycom documentation indicates that this module may work for two other units. They are the EF200 and the EF1210. The EF200 model type is A, therefore the parameter value to use is 41 which is the hex representation of the letter A. The EF1210 model type is C, therefore the parameter value to use is 43 which is the hex representation of the letter C. The EF2210 model type is Q, therefore the parameter value to use is 51 which is the hex representation of the letter Q. The EF2211 model type is S, therefore the parameter value to use is 53 which is the hex representation of the letter S.

Multiple devices can be connected to the Polycom(Aspi) bus and controlled from a single RS232 port. Therefore, it is also necessary to enter the Unit ID of the device being controlled. This should be entered in the UNIT-ID-ASCII parameter field as a two digit number from 00-07 with no suffix.

In normal use, the phone line will be on hook (hung up). A number will be dialed on the keypad, and it will be displayed in the display field. When DIAL is pressed, the phone line will be taken off hook, and the currently displayed number will be dialed. Any additional digits entered after the phone line is off hook will be sent out immediately, and will not be displayed on the touch panel. This is primarily for voice mail and paging systems. The maximum number of characters that can be entered for the phone number is 64.

Upon startup of the Crestron system, it may be desired to pulse the POLL input. This will request the current settings for the selected channel, so the feedback can be properly displayed. After this point, the POLL input should not need to be used, except after recalling a preset.

**CRESTRON  
HARDWARE  
REQUIRED:**

CNCOMH-2  
ST-COM  
CNXCOM

**SETUP OF CRESTRON**

Baud Rate - 9600

**HARDWARE:** Parity - None  
Data Bits - 8  
Stop Bits - 1

RTS/CTS Handshaking should be enabled to insure no data is lost.

**VENDOR FIRMWARE:** 1.15

**VENDOR SETUP:** Ack mode must be set to "on"

**CABLE NUMBER:** CNSP-141

## CONTROL:

<b>AUTO-ANS-*</b>	D	Set the state of Auto Answer
<b>ON-HOOK</b>	D	Place phone line on hook (hang up)
<b>OFF-HOOK</b>	D	Take phone line off hook (pickup)
<b>FLASH</b>	D	Momentary interruption to phone line connection
<b>HOOK-DURATION-*MS</b>	D	Sets flash hook duration to the time specified
<b>KEYPAD-0-9, *, #</b>	D	Allow the entry of standard touch tone digits
<b>KEYPAD-PAUSE</b>	D	Insert a pause in the phone number to be dialed. This will be represented as a ,
<b>KEYPAD-CLEAR</b>	D	Clear the phone number currently displayed
<b>KEYPAD-BACKSPACE</b>	D	Backspace one digit
<b>DIAL</b>	D	Dial the phone number currently displayed
<b>REDIAL</b>	D	Redials the last number dialed
<b>POLL</b>	D	Used if it is desired to update the state of the Crestron to match the Vortex. Updates should happen automatically, so this can usually be defined as 0
<b>From_Polycom(Aspi)_Processor\$</b>	D	Must be routed from the output of the Polycom(Aspi) Feedback Processor module
<b>TYPE-ID-ASCII</b>	P	Enter 42 for the EF2241
<b>UNIT-ID-ASCII</b>	P	Enter the unit number of the Vortex. Should be a number from 00-07
<b>LENGTH&lt;64D</b>	P	Determines the maximum number of digits that can be entered in the display field. This number can be between 1d and 64d.

## FEEDBACK:

<b>AUTO-ANS-* -FB</b>	D	Real feedback indicating the state of auto answer
<b>ON-HOOK-FB</b>	D	Real feedback indicating that the phone line is on hook (hung up)
<b>OFF-HOOK-FB</b>	D	Real feedback indicating that the phone line is off hook
<b>HOOK-DURATION-*MS-FB</b>	D	Feedback indicating the current flash hook duration
<b>PHONE-NUMBER\$</b>	S	Serial data string containing the phone number entered. Should be routed to a

		touch panel serial field
<b>RING</b>	D	Flashes to indicate there is an incoming call
<b>To_Device\$</b>	S	Serial data string to be routed to a CNCOMH-2, ST-COM, or CNXCOM

<b>UPZ FILE USED FOR TESTING:</b>	3.029, 5.12.63x
<b>COMPILER USED FOR TESTING:</b>	SimplWindows Ver 2.03.18
<b>SAMPLE PROGRAM:</b>	Polycom(Aspi) Vortex EF2241 Demo
<b>REVISION HISTORY:</b>	None