

**SIMPLWINDOWS NAME:** Polycom (PictureTel) iPower Audio Dialing

**CATEGORY:** Conferencing

**VERSION:** 1.0

**SUMMARY:** Allows audio calls to be placed/answered

**GENERAL NOTES:** This module is for control of the Polycom iPower system.

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 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 thru voicemail systems, although this was not tested at Crestron.

This module is compatible with e-Dial.

**CRESTRON HARDWARE:** CNXENET+  
CNMSX  
CNXCOM  
ST-COM

**SETUP OF CRESTRON HARDWARE:** Baud Rate - 9600  
Parity - Odd  
Data Bits - 8  
Stop Bits - 1

**VENDOR FIRMWARE:** iPower 900 Series - 4.0.2.520  
iPower 9000 Series - 4.2.0.1009

**VENDOR SETUP:** The Polycom iPower Series has two com ports on it. YOU MUST USE COM PORT 1.

Also, you must enable external control as follows:

1. Using the Start Menu, select Programs > Polycom iPower > Administrator Information > Admin Tools
2. Select "Utilities" from the Category list
3. Select the Custom Control tab
4. Check the box to enable control from an external control system
5. Press OK, and restart the Collaboration software

**CABLE NUMBER:** CNSP-124

## 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>From_Device\$</b>	S	Serial signal to be routed from the Polycom system.

## FEEDBACK:

<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>PHONE_NUMBERS\$</b>	S	Serial signal containing the phone number being entered. Should be routed to the serial portion of a touch panel definition
<b>Incoming_Call</b>	D	Will pulse high for 1 second when an incoming audio call is detected.
<b>Call_Connected</b>	D	Will pulse high for 1 second when an audio call connects.
<b>Call_Disconnected</b>	D	Will pulse high for 1 second when an audio call disconnects.
<b>To_Device\$</b>	S	Serial signal to be routed to the Polycom system

**OPS USED FOR TESTING:** v3.029.cuz  
5.12.63x.upz

**COMPILER USED FOR TESTING:** SimplWindows Ver 2.03.18

**SAMPLE PROGRAM:** Polycom iPower Demo

**REVISION HISTORY:** None