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| **SIMPLWINDOWS NAME:** | Polycom (PictureTel) iPower Video Dialing |
| **CATEGORY:** | Conferencing |
| **VERSION:** | 1.0 |
| **SUMMARY:** | Allows video calls to be placed |
| **GENERAL NOTES:** | This module is for control of the Polycom iPower Series. |

This module allows video calls to be placed. Alphanumeric IP addresses CANNOT be entered or dialed at this time.

This module does not store presets, however it can be used in conjunction with the "Addressbook With Site Names" or with the "Addressbook" module to implement an addressbook that stores numbers as well as names of up to 100 sites in alphabetical order.

For each call placed, a call speed can be selected. This module provides for 17 different call speeds. Since the Polycom system supports so many different call speeds,parameter fields are provided where you can type in the 17 call speeds you want to use. So for a speed of 384, enter 384 in the parameter field.

The macro allows one or two number calls to be placed manually. Phone numbers are enetered, and dialed as follows:

1. Select a call speed.
2. Select SELECT-NUM-1, and type in the first phone number
3. If there is a second number, select SELECT-NUM-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

Note: When placing an ISDN Voice call you must use the Audio Dialer. When placing a Voice over IP call you must use the Video Dialer.

This module is compatible with e-Dial.

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| **CRESTRON HARDWARE:** | CNMSX<br>CNXCOM<br>ST-COM |
| **SETUP OF CRESTRON HARDWARE:** | Baud Rate - 9600<br>Parity - Odd<br>Data Bits - 8<br>Stop Bits - 1 |
| **VENDOR FIRMWARE:** | iPower 900 Series - 4.0.2.520<br>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:

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| **Select_Number_1** | D | Pulse to allow the first number to be entered |
| **Select_Number_2** | D | Pulse to allow the second number to be entered |
| **Select_Addressbook_Name** | D | Pulse to allow the addressbook name to be entered |
| **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_1-17** | D | Selects any of the 17 speeds that were entered in the corresponding parameter fields |
| **No_Prefix==1** | D | Pulse to select no prefix on the dialing string. |
| **Prefix_1-10** | D | Pulse to select the proper prefix for the dialing string. |
| **Audio/Video/Data** | D | Pulse to select and Audio/Video/Data call. This selection is default. |
| **Audio Only** | D | Pulse to place an Audio Only call. If you choose to place a video call you must re-select Audio/Video/Data. |
| **ISDN(Default)** | D | Pulse to place an ISDN call. This selection is default. |
| **Gateway** | D | Pulse to place a Gateway call. |
| **TCPIP** | D | Pulse to place a TCPIP call. |
| **Gateway Ext.** | A | Used during a Gateway call. Can either receive a signal from a keypad for direct extension entry or from an Analog Init for prest values. Max 5 digits. |
| **Outbound** | D | Pulse to specify Gateway call direction. (IP to ISDN) This is default. |
| **Inbound** | D | Pulse to specify Gateway call direction. (ISDN to IP) |
| **Key_Enter** | D | If pressed while Num1 is active, it will select num2. If pulsed while num2 is active, it will dial |
| **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 |
| **Speed-*** | P | Used to specify which call speeds are desired. Only enter speeds which your |

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| | | Polycom system supports. Enter 0 for any unused fields |
| Prefix-* | P | Used to specify the prefix desired. These may be used for dialing through an Accord IP mux or to dial a 9 to get out of the system. Enter 0 for any unused fields. |

## FEEDBACK:

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| Select_*_Fb | D | Indicates which field has been selected for entry |
| Speed_*_FB | D | Indicates which speed has been selected for the call |
| No_Prefix_Fb | D | Indicates that no prefix has been selected for the call. |
| Prefix_1-10_Fb | D | Indicates which prefix has been select for the call. |
| Audio/Video/Data-FB | D | Indicates Audio/Video/Data has been selected. |
| Audio Only-FB | D | Indicates Audio Only has been selected. |
| ISDN(Default)-FB | D | Indicates ISDN call has been selected. |
| Gateway-FB | D | Indicates Gateway call has been selected. |
| TCPIP-FB | D | Indicates TCPIP call has been selected. |
| Video_Number_1$ | S | Serial signal displaying the first number entered. Can be routed to an indirect text field as well as to an addressbook module for preset storage/recall |
| Video_Number_2$ | S | Serial signal displaying the second number 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 |
| Call_Failed_To_Connect | D | Will pulse high for 1 second if a call is attempted and does not complete. |
| Incoming_Call | D | Will pulse high for 1 second when an incoming video call is detected. |
| Call_Connected | D | Will pulse high for 1 second when a video call connects. |
| Call_Disconnected | D | Will pulse high for 1 second when a video call disconnects. |
| Keyboard_Shift_Fb | D | High to indicate that shift has been pressed. The next character typed will be the shifted character. |
| Keyboard_Caps_Lock_Fb | D | High to indicate that caps lock is on. Any alpha typed will be the upper case. |
| To_Device$ | S | Serial signal to be routed to the Polycom system |

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| **OPS USED FOR TESTING:** | v3.029.cuz<br>5.12.63x.upz |
| **COMPILER USED FOR TESTING:** | SimplWindows Ver 2.03.18 |
| **SAMPLE PROGRAM:** | Polycom iPower Demo |
| **REVISION HISTORY:** | None |