

**SIMPLWINDOWS NAME:** PictureTel 4000-4500 Menu Controls

**CATEGORY:** Conferencing

**VERSION:** 1.1

**SUMMARY:** Controls setup, browse, and help menus

**GENERAL NOTES:** This module is used to control the setup, browse, and help menus on a PictureTel 4000-4500 series codec. Most of the inputs on this module directly correspond to buttons on the PictureTel keypad. A CNXCOM or ST-COM must be used. Some functions which should turn certain menus on only, will also turn those menus off in the version of PictureTel firmware tested at Crestron.

**CRESTRON HARDWARE:** CNXCOM, ST-COM

**SETUP OF CRESTRON HARDWARE:** The baud rate, parity, data bits, and stop bits can be set on the PictureTel system. The default settings that the PictureTel is set to are 1200 baud, odd parity, and 8 data bits. However the following settings were tested at Crestron:

Baud Rate - 9600  
Parity - None  
Data Bits - 8  
Stop Bits - 1

Note - If using a Crestron ST-COM port, you must assert the RTS line. This is done by pressing Alt-F8 in the ST-COM port definition until A\_RTS or B\_RTS is displayed. Then place a 1 in the corresponding signal name field.

**VENDOR FIRMWARE:** 6.12.0.

**VENDOR SETUP:** The PictureTel system has up to four data ports, (A, B, C, D), and two control ports, (A, B). YOU MUST USE CONTROL PORT A TO COMMUNICATE FROM CRESTRON TO PICTURETEL. The parameters of Control Port A can be set up by using the PictureTel wired or infrared keypad as follows:

Enter the setup menus  
Choose Configuration Menu  
Choose Data Port Configuration  
Choose Set Control Port A

For Select Type, make sure that Control Protocol is chosen  
For Baud Rate and Parity, make sure that these settings match the settings of the CNXCOM port. Settings which were tested at Crestron were 9600 baud, 8 data bits, None parity.

Exit from the menu system

**CABLE NUMBER:** CNSP-533

## **CONTROL:**

**MENU-SETUP-ON** Turn the setup menus on

**MENU-BROWSE-ON** Turn the multipoint browse menu on (not implemented in PictureTel firmware version tested at Crestron)

**MENU-HELP-ON** Turn the help menus on

**MENU-OFF** Turn the setup menus off

<b>MENU-0-9,*,#</b>	Send numeric digit 0-9, * AND # of keypad
<b>MENU-ENTER</b>	Send keypad enter
<b>MENU-CANCEL</b>	Send keypad cancel (X)
<b>MENU-UP</b>	Send keypad up arrow
<b>MENU-ON</b>	Send keypad down arrow
<b>MENU-LT</b>	Send keypad left arrow
<b>MENU-RT</b>	Send keypad right arrow

## **FEEDBACK:**

<b>PTEL-TX\$</b>	Serial data string to be routed to the CNXCOM card designated for control of the PictureTel system. All switching commands are contained within this serial data signal.
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<b>OPS USED FOR TESTING:</b>	3.17.31
<b>COMPILER USED FOR TESTING:</b>	SimplWindows Version 1.20.04
<b>SAMPLE PROGRAM:</b>	PTELTSTD
<b>REVISION HISTORY:</b>	CN-PMENA - Original CN-PMENB - Dropped Workshop Support, corrected "signal without driving source" in SimplWindows