

SIMPLWINDOWS NAME: PictureTel 4000-4500 Misc. Controls

CATEGORY: Conferencing

VERSION: 1.1

SUMMARY: Controls PIP, Privacy, Status, and Volume

GENERAL NOTES: None

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:

PIP-ON Discretely turn the Picture-in-picture on

PIP-OFF Discretely turn the picture-in-picture off

PIP-TOGGLE Toggle the state of the picture-in-picture

PRIVACY-ON Discretely turn privacy on (mute mics)

PRIVACY-OFF Discretely turn privacy off (unmute mics)

PRIVACY-TOGGLE Toggle the state of privacy

VOLUME-UP Ramp the receive volume up

VOLUME-DOWN Ramp the receive volume down

VOLUME-MUTE-ON Discretely mute the receive volume

VOLUME-MUTE-OFF Discretely unmute the receive volume
VOLUME-MUTE-TOG Toggle the state of the receive volume mute

FEEDBACK:

PIP-ON-FB This signal is high while the pip is active
PRIVACY-ON-FB This signal is high while privacy is active
VOLUME-MUTE-FB This signal is high while volume is muted
PTEL-TX\$ Serial data string to be routed to a CNXCOM or ST-COM

OPS USED FOR TESTING: 3.17.31
COMPILER USED FOR TESTING: SimplWindows Version 1.20.04
SAMPLE PROGRAM: PTELTSTD
REVISION HISTORY: CN-PCONB - Original
CN-PCONC - Dropped Workshop Support,
Corrected "signal without driving source"
in SimplWindows