SIMPLWINDOWS NAME:	PictureTel 4000-4500 Switching Controls
CATEGORY:	Conferencing
VERSION:	1.1
SUMMARY:	Controls video switching and send graphics
GENERAL NOTES:	The intention of this module is to emulate the switching functions performed by the PictureTel Infrared keypad. Most of the inputs on this module directly correspond to buttons on the PictureTel keypad.
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 DIAGRAM:	CNSP-533

CONTROL:

SINGLE-MONITOR	D	Designates what type of switching will occur. Put a 1 on this input if you are using a single monitor system
DUAL-MONITOR	D	Designates what type of switching will occur. Put a 1 on this input if you are using a dual monitor system. Note - You must select either a single or dual monitor system, but not both. Otherwise incorrect switches will occur. Place a 0 on the input that is not used.

RECORD-NEAR-MODE	D	Put a 1 on this input if you intend to use the VCR output of the codec for recording the near end.
RECORD-FAR-MODE	D	Put a 1 on this input if you intend to use the VCR output of the codec for recording the far end. You must select either record near or far modes but not both. Otherwise incorrect switches will occur. Also, recording will not function at all unless this option is installed in your codec.
START-CONFERENCE	D	Sets standard switch setup for the start of a conference
PREVIEW-MAIN	D	Preview the main camera
PREVIEW-DOC	D	Preview the document camera
PREVIEW-AUXA	D	Preview aux camera a
PREVIEW-AUXB	D	Preview aux camera b
PREVIEW-VCR	D	Preview the VCR
PREVIEW-SNAP	D	Preview the last graphic sent or received
PREVIEW-FAR-END	D	Preview the far end video
SEND-LIVE-MAIN	D	Send the main camera video to the far end
SEND-LIVE-DOC	D	Send the doc camera video to the far end
SEND-LIVE-AUXA	D	Send the Aux A camera video to the far end
SEND-LIVE-AUXB	D	Send the Aux B camera video to the far end
SEND-LIVE-VCR	D	Send the VCR video to the far end
SEND-STILL-MAIN	D	Send a high resolution snapshot of the main camera
SEND-STILL-DOC	D	Send a high resolution snapshot of the doc camera
SEND-STILL-AUXA	D	Send a high resolution snapshot of the Aux A camera
SEND-STILL-AUXB	D	Send a high resolution snapshot of the Aux B camera
SEND-STILL-VCR	D	Send a high resolution snapshot of the VCR
RECEIVE-MAIN	D	Allows you to receive the far end's main camera video, if the far end has a PictureTel system, and the main camera is available.
RECEIVE-DOC	D	Allows you to receive the far end's doc camera video if the far end has a PictureTel system, and the document camera is available.
RECEIVE-AUXA	D	Allows you to receive the far end's aux a camera video, if the far end has a PictureTel system, ant the aux a camera is available.
RECEIVE-AUXB	D	Allows you to receive the far end's aux b camera video, if the far end has a PictureTel system, and the aux b camera is available.
RECEIVE-VCR	D	Allows you to receive the far end's VCR video, if the far end has a PictureTel system, and the VCR is available.

FEEDBACK:

PTEL-TX$	D	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-PTSWA - Original CN-PTSWB - Dropped Workshop support, corrected "signal without driving source" in SimplWindows