

SIMPLWINDOWS NAME: PictureTel 4000-4500 Audio Dialing
CATEGORY: Conferencing
VERSION: 1.1
SUMMARY: Controls audio dialing on a PictureTel codec
GENERAL NOTES: This module is used to control audio add-on dialing on a PictureTel 4000-4500 series codec. It can be used to either dial an audio participant into a video conference, or it can be used to dial an audio conference, even if no video conference is in progress.

The module provides inputs for a full telephone keypad, as well as a display field to show the phone number as it is typed in. If a telephone number is typed in while the phone is on hook, the number will appear in the display field. When AUDIO-PKUP+DIAL is pressed, the phone will be taken off hook, and the number in the display field will be dialed. If keypad digits are pressed after the phone has been taken off hook, the DTMF tones will be sent out immediately. This allows easy navigation through voice-mail systems, etc.

CRESTRON HARDWARE: CNXCOM,
ST-COM

SETUP OF CRESTRON HARDWARE: 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.

DEVICE FIRMWARE: 6.12.0.

DEVICE 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:

AUDIO-KEY-0 Keypad 0
AUDIO-KEY-1 Keypad 1
AUDIO-KEY-2 Keypad 2

AUDIO-KEY-3	Keypad 3
AUDIO-KEY-4	Keypad 4
AUDIO-KEY-5	Keypad 5
AUDIO-KEY-6	Keypad 6
AUDIO-KEY-7	Keypad 7
AUDIO-KEY-8	Keypad 8
AUDIO-KEY-9	Keypad 9
AUDIO-KEY-*	Keypad *
AUDIO-KEY-#	Keypad #
AUDIO-KEY-BACK	Keypad backspace function
AUDIO-KEY-CLEAR	Keypad clear function
AUDIO-PKUP+DIAL	Take phone line off hook and dial displayed number
AUDIO-PKUP	Take phone line off hook - Can be used to answer an incoming call, or to take the phone line off hook before dialing manually.
AUDIO-HANG-UP	Put phone line back on hook
AUDIO-FLASH	Flash phone line for time specified by AUDIO-FLASH-TIME
AUDIO-FLASH-TIME	Time parameter specifying how long the phone should be placed on hook for the flash function (for example, .5s)
DIGITS	Maximum number of digits that will be displayed in the display field (for example, 20)

FEEDBACK:

NUMBERS\$	Serial data signal containing the phone number entered. This signal should be routed to an SDPM field to allow the number to be displayed on a touchpanel.
PTEL-TX\$	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.

OPS USED FOR TESTING:	3.17.31
COMPILER USED FOR TESTING:	1.20.04

SAMPLE PROGRAM: PTELTSTD

REVISION HISTORY:

- CN-PADIA - Original
- CN-PADIB - Added Flash function
- CN-PADIC - Added Flash time function
- CN-PADID - Dropped Workshop Support, Corrected "signal without driving source" in SimplWindows, Corrected lockup problem if clear pressed immediately after dial.