

SIMPLWINDOWS NAME: None

CATEGORY: Conferencing

VERSION: None

SUMMARY: This module is used to control a Gentner GT724. A CNXCOM port must be used since two way RS232 communication is necessary.

GENERAL NOTES: Before using the unit, you should select either audio conference mode or video conference mode. This will allow the module to connect and disconnect the proper connections (2 or 4 wire).

While 2 wire is disconnected, digits entered on the keypad will appear in the display field, but will not be sent out until dial is pressed. Once a 2 wire call is active, any subsequent digits entered will be sent directly to the Gentner for dialing (while in voice-mail, etc.).

When in audio conference mode, when a call is placed, the Gentner will activate both 2 and 4 wire modes. This is a function of the Gentner. When the call is disconnected, the module will disconnect both 2 and 4 wire modes.

Privacy can only be deactivated while either 2 or 4 wire mode is on. When both are off, privacy is automatically turned on

CRESTRON HARDWARE REQUIRED: CNXCOM

SETUP OF CRESTRON HARDWARE: The port should be set as follows:
 Baud Rate - 9600
 Parity - None
 Data Bits - 8
 Stop Bits - 1

VENDOR FIRMWARE REQUIRED: GCU version 1.1

VENDOR SETUP: None

CABLE DIAGRAM: The cable connecting the CNXCOM port to the Gentner should be as follows:

CNXCOM	to	Gentner GT724
9 pin male D	to	9 pin female D
2	to	2
3	to	3
5	to	5

CONTROL:

AUD-CONF-MODE tells module that an audio conf is in progress

VID-CONF-MODE tells module that a video conf is in progress (one of these two must be selected)

TWO-WIRE-CON Force unit into 2 wire mode

TWO-WIRE-DIS Force unit out of 2 wire mode

TWO-WIRE-TOG Toggle the state of 2 wire mode

FOUR-WIRE-CON Force unit into 4 wire mode

FOUR-WIRE-DIS Force unit out of 4 wire mode

FOUR-WIRE-TOG	Toggle the state of 4 wire mode
PRIVACY-ON	Force privacy on
PRIVACY-OFF	Force privacy off
PRIVACY-TOG	Toggle the state of privacy
VOLUME-UP	Adjust receive volume up
VOLUME DOWN	Adjust receive volume down
TRAIN	Train the unit
KEY-0-KEY-#	Keypad for entering a phone number
BACKSPACE, CLEAR	
STORE	Store the number entered into the preset selected
PRESET-1-20	Presets for storing telephone numbers
DIAL	Send the number entered out to the Gentner
DIGITS<18	Maximum number of digits in a phone number. This number should be less than 18
GENT724-RX\$	Serial data string from CNXCOM port

FEEDBACK:

AUD-CONF-MODE-FB	Indicates that audio conference mode was selected
VID-CONF-MODE-FB	Indicates that video conference mode was selected
TWO-WIRE-ON	True feedback indicating that two wire is active
TWO-WIRE-OFF	True feedback indicating that two wire is inactive
FOUR-WIRE-ON	True feedback indicating that four wire is active
FOUR-WIRE-OFF	True feedback indicating that four wire is inactive
PRIVACY-ON-FB	True feedback indicating that privacy is on
VOL-BAR	Analog signal that can be routed to a bargraph on a touch panel, reflecting the actual level of the Gentner
PRESET-1-FB-20	Indicate the last preset selected
DIAL-BUSY	High while the number is being sent to the Gentner
PHONE-NUMBER\$	Serial Data string containing phone number to be routed to an external SDPM symbol
GENT724-TX\$	Serial data string to CNXCOM port

OPS USED FOR TESTING:	3.16.08
COMPILER USED FOR TESTING:	3.18.04
WORKSHOP USED FOR TESTING:	5.23
REVISION HISTORY:	None