SIMPLWINDOWS NAME:	S.C.T. AVT-24 Teleconference Control
CATEGORY:	Codec
VERSION:	1.0
SUMMARY:	Controls dialing, volume, and privacy for AVT-24
GENERAL NOTES:	This module controls all standard functions on a Sound Control Technologies AVT-24 Teleconference Unit. It receives feedback indicating volume levels, privacy, and hook status.

For volume control, there are only nine possible settings. Therefore, a bargraph displaying the level will appear to jump to nine separate levels rather than having a smooth ramping effect.

When entering a phone number, if 2 wire is on hook, the number being entered will be displayed on PHONE-NUM$. When DIAL is pressed, 2 wire will be taken off hook, and the number currently displayed in PHONE-NUM$ will be dialed. After 2 wire is off hook, any further digits entered on the keypad will be sent out immediately, and they will not be displayed in PHONE-NUM$. This is to facilitate navigating through voice-mail systems. |
CRESTRON HARDWARE:	CNXCOM, ST-COM
SETUP OF CRESTRON HARDWARE:	Baud Rate - 9600 Parity - None Bits - 8 Stop Bits - 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	The RS232 cable can be attached in either the front or back of the unit, however the COM port switch on the front of the unit must be set appropriately.
CABLE NUMBER:	Back Port - CNSP-545 Front Port - CNSP-123

CONTROL:

SCT_AVT24_IN$	S	Serial data string to be routed from a CNXCOM port
OFF_HOOK_2WIRE	D	Takes 2 wire (telephone) off hook
ON_HOOK_2WIRE	D	Places 2 wire (telephone) on hook (hang up)
OFF_HOOK_4WIRE	D	Takes 4 wire (video conference) off hook
ON_HOOK_4WIRE	D	Places 4 wire (video conference) on hook
PRIVACY_ON	D	Activates privacy (mutes near end mics)
PRIVACY_OFF	D	Deactivates privacy (unmutes near end mics)
FLASH	D	Telephone flash function (momentary hang up and pick up)
KEY-0-9,*,#	D	Digits used for entering phone numbers
CLEAR	D	Clears phone number currently displayed
BACKSPACE	D	Backspace currently entered phone number one digit
DIAL	D	Pick up and dial 2 wire call
UP-2WIRE-RCV-VOL	D	Raise the volume level for 2 wire audio being received

DN-2WIRE-RCV-VOL	D	Lower the volume level for 2 wire audio being received
UP-4WIRE-RCV-VOL	D	Raise the volume level for 4 wire audio being received
DN-4WIRE-RCV-VOL	D	Lower the volume level for 4 wire audio being received
TRAIN	D	Train the echo canceller
STATUS-REQUEST	D	Enables/Disables polling of the AVT-24. If enabled, the unit will be polled every 2 seconds. If disabled, no polling will occur, and any changes made from the front panel of the AVT-24 will not be reflected on the Crestron system.

FEEDBACK:

SCT_AVT24_OUT$	S	Serial data string to be routed to a CNXCOM port
OFF_HOOK_2WIRE-F	D	Real feedback indicating that 2 wire is off hook
ON_HOOK_2WIRE-F	D	Real feedback indicating that 2 wire is on hook
OFF_HOOK_4WIRE-F	D	Real feedback indicating that 4 wire is off hook
ON_HOOK_4WIRE-F	D	Real feedback indicating that 4 wire is on hook
PRIVACY_ON-F	D	Real feedback indicating that privacy is active
PRIVACY_OFF-F	D	Real feedback indicating that privacy is inactive
PHONE-NUM$	S	Serial data string containing the phone number which was entered. Should be routed to a touchpanel indirect text field for display
BUSY-DIALING	D	Indicates that dialing is in progress
LVL-2WIRE-RCV	A	Analog signal indicating the 2 wire receive volume level. Can be routed to a bar graph
LVL-4WIRE-RCV	A	Analog signal indicating the 4 wire receive volume level. Can be routed to a bar graph

OPS USED FOR TESTING:	3.16.08
COMPILER USED FOR TESTING:	3.18.04
SAMPLE PROGRAM:	SCT24TST
REVISION HISTORY:	None