SIMPLWINDOWS NAME:	VTEL Video Dialing (100 presets)
CATEGORY:	Conferencing
VERSION:	None
SUMMARY:	Controls video dialing on a VTEL codec
GENERAL NOTES:	

This module should work with the following VTEL codec models - TC1000, TC2000, LC3000, LC3200, LC5000. They should have ESA Version 2.0 or later software loaded. All testing at Crestron was performed using a LC3000 with ESA Version 2.0 loaded.

The Crestron control system uses the port that would normally be used by the VTEL tablet.

In a dual monitor system, video output 1 will show the near end video being sent, and allow previewing of the PC and PEN-PAL. Video outputs 2 and 3 will show the far end video, and the PIP (if turned on) will show the video currently being sent to the far end.

In a single monitor system, video output 1 will show the far end video, and allow previewing of the PC and the PEN-PAL. The PIP, if turned on, will show the video currently being sent to the far end.

Dialing:

The module allows one or two number calls to be placed manually, as well as store those numbers in up to 100 preset locations. There is also the option of adding a VTEL call profile suffix (0-99). Phone numbers are entered, dialed and stored as follows:

1. Select SELECT-NUM-1, and type in the first phone number
2. If there is a second number, select SELECT-NUM-2 and type in the second number. Otherwise leave this field blank. You have the option of copying the first number to the second number. You can always reselect either number and reenter it.
3. When both number fields are displaying the correct numbers, press DIAL. Your call will be placed
4. If you were storing the number into a preset, you would first press the preset - the old numbers stored there would be displayed. You would then type in the new numbers. When finished, press STORE. The numbers you entered will be stored into the previously selected preset.

CALL-SPEED-LOCATION:

You should specify a call speed before dialing the phone number. This is done using the CALL-SPEED-LOCATION-AN input. The call speeds are initially set up on the VTEL as follows:

1. Select the Show Tools Toolbar
2. Select the Set Configuration menu
3. Select the Launch Advanced Configuration Program
4. Select Communications
5. Select Properties for the correct Profile
6. Select Line Speeds
7. The Box on the left shows the possible line speeds. The box on the right shows the line speeds selected for use. The Setup prefix and/or suffix boxes should be set up appropriately as per VTEL instructions for each

supported line speed.

Each supported line speed corresponds to a location number. These numbers start at 0 and proceed sequentially upward based on the line speeds. The faster line speeds get higher numbers. For example, if speeds 56, 64, 2x56, 2x64, 112, 128, and 384 are supported, then 56=0, 64=1, 2x56=2, 2x64=3, 112=4, 128=5, and 384=6. If higher speeds were supported, they would proceed sequentially upward. If, in the previous example, 56 was not supported, then 64=0, 2x56=1, 2x64=2, 112=3, etc.

The CALL-SPEED-LOCATION-AN input can be driven 2 ways. The first way, you can use an INIT symbol to set to the proper numbers as described above. The second way is to use the module VTELSPDA. This module will poll the VTEL for it's supported speeds, and it will give an analog output which can be attached to the CALL-SPEED-LOCATION-AN input.

CRESTRON HARDWARE REQUIRED:	ST-COM, CNXCOM
SETUP OF CRESTRON HARDWARE:	Baud Rate - 9600 Parity - None Data Bits - 8 Stop Bits - 1
VENDOR FIRMWARE:	ESA Version 2.0 or later
VENDOR SETUP:	Command touch must be loaded. This is done as follows: 1. Choose the Set Configuration Menu under the Show Tools Toolbar. 2. Choose Launch Advanced Configuration Program. 3. Scroll the menu bar over, and select Pointing Devices. 4. Select the VTEL Command Touch box 5. Select No Tablet 6. Choose Finish. You will be prompted to reboot the codec.
CABLE NUMBER:	CNSP-124

CONTROL:

SELECT-NUM1	D	Selects the first number for entry
SELECT-NUM2	D	Selects the second number for entry
KEY-0-9,*,#,CLEAR,BACK	D	Allows the corresponding digits to be entered into the selected number field
COPY-NUM1-NUM2	D	Copies the contents of the first number to the second number field
CLEAR-NUM1-NUM2	D	Clears both number fields simultaneously
STORE	D	Stores both number fields into the previously selected preset
KEY-ENTER	D	If enter is pressed after entering the first number, the second number will be selected. If enter is pressed after entering the second number, the number will be dialed.
DIAL	D	Sends the previously entered number to the codec for dialing
PRESET-1-100	D	Used to recall presets 1-100. After recalling a preset, DIAL must be pressed to send it to

the codec.

PRESET-CLEAR	D	Clears the interlock maintaining the last preset chosen
DISCONNECT	D	Disconnect the current video call
CALL-SPEED-LOCATION-AN	D	Used to specify an Call Speed Location - Driven with an INIT symbol or the module VTELSPDA
INITIALIZE-PSETS	D	Clears all the presets
DIGITS	P	Maximum number of digits to enter per number field. (For example, 24d)

FEEDBACK:

SELECT-NUM1-FB	D	Indicates that first number was selected
SELECT-NUM2-FB	D	Indicates that second number was selected
NUM1$	S	Serial data string containing first number - to be routed to the serial section of a touchpanel definition
NUM2$	S	Serial data string containing second number - to be routed to the serial section of a touchpanel definition
DIALING	D	High while the phone number is being sent from the a "dialing" message on a touch panel legend button
PRESET-1-100-FB	D	Indicates the last preset selected
INITIALIZE-PSETS-BUSY	D	High while the presets are being cleared.
VTEL-TX$	S	Serial data string to be routed to a 2-way RS232 port

OPS USED FOR TESTING:	3.18.06, 5.01.29x
COMPILER USED FOR TESTING:	SimplWindows Version 1.21.00
SAMPLE PROGRAM:	VTELTSTA
REVISION HISTORY:	None