SIMPLWINDOWS NAME:	Gentner XAP800/PSR1212 Crosspoint Attenuation
CATEGORY:	Conferencing
VERSION:	1.0
SUMMARY:	Allows the attenuation of any crosspoint to be adjusted/monitored
GENERAL NOTES:	The commands used for the XAP800/PSR1212 mixer are similar to the commands used for the Gentner AP800/AP400. Therefore the same modules developed for the XAP800/PSR1212 may work on other (past and future) Gentner products. To allow for this flexibility of use, you must specify which Gentner model is being controlled using the TYPE-ID-ASCII parameter field. Currently valid entries are a single digit from 1 to 5 with no suffix as shown below: For XAP800, use 5 For PSR1212, use 4 For AP400, use 3 For AP10, use 2 For AP800, use 1 Multiple devices can be connected to the Gentner bus and controlled from a single RS232 port. Therefore, it is also necessary to enter the Unit ID of the device being controlled. This should be entered in the UNIT-ID-ASCII parameter field as a single digit number from 0-8 with no suffix. This module allows the attenuation of any crosspoint on the Gentner to be adjusted and monitored. You must first select a source using the SOURCE-* inputs, and a destination using the DEST-* inputs. After making these selections, you can pulse the POLL input to request the current level of the crosspoint. You can then use the VOLUME-UP/DOWN/SLIDER inputs to adjust the setting. Note that some crosspoint combinations are not valid, such as Process A to Process A. This module does not perform any error checking to be sure that a valid crosspoint was selected. This module should be used in conjunction with the Gentner XAP800/PSR1212 Feedback Processor Module to monitor the state of the crosspoint attenuation. A properly constructed program would consist of a single Gentner XAP800/PSR1212 Feedback Processor Module receiving information from the com port. The output of this module would be connected to the FROM-GENTNER-PROCESSOR$ inputs of as many other XAP800/PSR1212 modules are in the program. The Processor module will reformat the data into the format that the remaining Gentner modules are programmed for.
CRESTRON HARDWARE REQUIRED:	CNXCOM, ST-COM
SETUP OF CRESTRON HARDWARE:	Baud Rate -38400 Parity - None Data Bits - 8 Stop Bits - 1 RTS and CTS Handshaking should be enabled to insure no data is lost.
VENDOR FIRMWARE:	PSR1212 1.0.3 XAP-800 - 1.1.0
VENDOR SETUP:	Flow control should be set to "on". The baud rate should

be set to 38400.

CABLE NUMBER: CNSP-141

CONTROL:

SOURCE-*	D	Pulse to select the source of the crosspoint
DEST-*	D	Pulse to select the destination of the crosspoint
VOLUME-UP/DOWN	D	Press and hold to ramp the attenuation up or down
VOLUME-SLIDER	A	Can be connected to an analog input from a touchpanel to allow control from a slider object
POLL	D	Pulse to poll for the current attenuation setting
TYPE-ID-ASCII	P	Enter 4 for PSR1212, 5 for XAP800
UNIT-ID-ASCII	P	Enter the unit number of the XAP800/PSR1212. Should be a number from 0-8

FEEDBACK:

VOLUME-BAR	A	Indicates the relative level of the crosspoint attenuation. Should be routed to a bargraph
VOLUME-TEXT$	S	Indicates the attenuation in dB format. Should be routed to an indirect text field
To_Device$	S	Serial signal to be routed to a 2-way RS232 port

OPS USED FOR TESTING: 5.12.26x

COMPILER USED FOR TESTING: SimplWindows Version 1.61.12

SAMPLE PROGRAM: Gentner XAP800/PSR1212 Demo Program

REVISION HISTORY: None