SIMPLWINDOWS NAME:	Gentner AP800 Single Channel Volume Control
CATEGORY:	Conferencing
VERSION:	1.1
SUMMARY:	Controls a single input or output channel of volume with a bargraph indication
GENERAL NOTES:	The AP800 operates on a Gentner G-Link bus. Multiple AP800's could be placed on the same bus. Each different device on the bus will have a unique unit ID. The module requires a unit ID as the first input. The unit ID has to be the HEX representation of if the Unit ID. For example, for a unit ID of 0, the correct input on the module would be 30H. For a unit ID of 1, the correct input on the module would be 31H. Each AP800 has 12 input and output channels, as well as subbusses. Using the CHANNEL-ID-HEX input, the module must be told which channel is to be adjusted. This is done in the same manner as the UNIT-ID-HEX was set. For channel 1, use 31H, for channel 2, use 32H, and so on. For channel A, use 41H. For channel B use 42H, and so on. The module must also be told if an input, output or subbus is being adjusted. This is defined on the PARAMETER-HEX input. If an input is being adjusted, use 49H. For an output use 4FH (you will have to press F10 to accept this entry). For a subbus use 53H.
CRESTRON HARDWARE REQUIRED:	CNXCOM, ST-COM
SETUP OF CRESTRON HARDWARE:	Tested and verified at the following settings: Baud Rate -38400 Parity - None Data Bits - 8 Stop Bits - 1 RTS and CTS enabled
VENDOR FIRMWARE:	Version 0.81B
VENDOR SETUP:	The AP800 serial port settings can be changed. Correct operation was verified when the following RS232 settings were used: Baud Rate - 38400 Enable Modem - Off Flow control - On
CABLE NUMBER:	CNSP-141

CONTROL:

UNIT-ID-HEX	P	Hex version of AP10's unit ID. For ID 0, use 30H. For ID 1, use 31H
CHANNEL-ID-HEX	P	Hex version of channel to be adjusted. For channel info, see above.
PARAMETER-HEX	P	Hex version of parameter to be adjusted. For Input use 49H, for output use 4FH, for subbus use 53H
VOL-UP	D	Ramp the volume level up
VOL-DN	D	Ramp the volume level down

VOL-MUTE-ON	D	Discretely mute the channel
VOL-MUTE-OFF	D	Discretely unmute the channel
VOL-MUTE-TOG	D	Toggle the state of mute
AP800-RX$	S	Serial data string to be routed from a CNXCOM or ST-COM

FEEDBACK:

VOL-BAR	A	Analog signal to be routed to a bargraph
VOL-MUTE-ON-FB	D	Real feedback indicating that the selected channel is muted
VOL-MUTE-OFF-FB	D	Real feedback indicating that the selected channel is not muted
AP800-TX$	S	Serial data string to be routed to a CNXCOM or ST-COM

OPS USED FOR TESTING:	3.18.01
COMPILER USED FOR TESTING:	SimplWindows Version 1.20.04
SAMPLE PROGRAM:	GAPTST1B
REVISION HISTORY:	AP80V1A - Original AP80V1B - Added external OP103 parameter AP80V1C - Removed external OP103 parameter