

SIMPLWINDOWS NAME: Gentner GT1524 Single Channel Volume Control

CATEGORY: Conferencing

VERSION: 1.0

SUMMARY: Controls a single input or output channel of volume with a bargraph indication

GENERAL NOTES: The GT1524 has 4 input and output channels that can be addressed. Using the CHANNEL-ID-HEX input, the module must be told which channel is to be adjusted. The channels should be addressed as follows:

Channel 1	Mic/Line Input, Line Output	31H
Channel 2	Aux Input, Aux Output	32H
Channel 3	4 wire Input, 4 wire Output	33H
Channel 4	Telco Input, Telco Output	34H

The module must also be told if an input or output is being adjusted. This is defined on the PARAMETER-HEX input. If an input is being adjusted, use 49H. For an output use 4FH.

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 1.00

VENDOR SETUP: The GT1524 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-121

CONTROL:

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
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
GT1524-RX\$	S	Serial data string to be routed from a CNXCOM, ST-COM, or CNXCOM

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
GT1524-TX\$	S	Serial data string to be routed to a CNXCOM, ST-COM, CNXCOM

.UPZ FILE USED FOR TESTING: 5.11.40x.upz
COMPILER USED FOR TESTING: SimplWindows Version 1.51.08
SAMPLE PROGRAM: GT1524 TEST.SMW
REVISION HISTORY: GT1524 single channel volume - Original