Partner: ClearOne
Model: Converge
Device Type: Conferencing

GENERAL INFORMATION

SIMPLWINDOWS NAME:	ClearOne Converge Crosspoint Attenuation v1.4
CATEGORY:	Conferencing
VERSION:	1.4
SUMMARY:	Allows the attenuation of any crosspoint to be adjusted/monitored
GENERAL NOTES:	To allow for this flexibility of use, you must specify which ClearOne model is being controlled using the TYPE-ID-ASCII and TYPE-ID-HEX parameter fields. Currently valid entries are a single value (1, 2, 3, A, G, D, H, I or E and 31, 32, 33, 41, 44, 47, 48, 49 or 45) with no suffix as shown below: For Converge 880, use 1 and 31 For Converge TH20, use 2 and 32 For Converge 840T, use 3 and 33 For Converge 8i, use A and 41 For Converge 880T, use D and 44 For Converge SR1212, use G and 47 For Converge 880TA, use H and 48 For Converge SR1212A, use I and 49 For Converge VH20, use E and 45 Multiple devices can be connected to the ClearOne 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-F(for the TH20) or 0-7 (for the remaining models) with no suffix. This module allows the attenuation of any crosspoint on the ClearOne 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 ClearOne Converge Feedback Processor Module to monitor the state of the crosspoint attenuation. A properly constructed program would consist of a single ClearOne Converge Feedback Processor Module receiving information from the com port. The output of this module would be connected to the FROM-CLEARONE-PROCESSOR$ inputs of as many other Converge modules are in the program. The Processor module will reformat the data into the format that the remaining ClearOne modules are programmed for. Note that this has only been tested with the ClearOne Converge 840T and VH20 as of this release.

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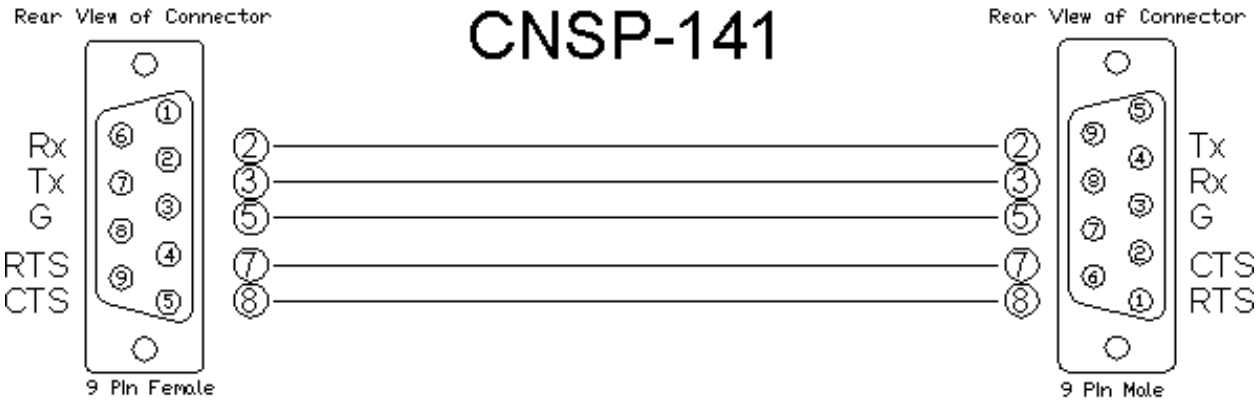
CRESTRON HARDWARE REQUIRED:	CNX-COM2, ST-COM, 2-Series Processor, C2COM3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 57600 Parity: N Data Bits: 8 Stop Bits: 1 RTS/CTS Handshaking should be enabled to insure no data is lost.
VENDOR FIRMWARE:	3.0.1.0
VENDOR SETUP:	Flow control should be set to "on". The baud rate should be set to 57600.
CABLE DIAGRAM:	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 touch panel to allow control from a slider object.
POLL	D	Pulse to poll for the current attenuation setting.
FROM-CLEARONE-PROCESSOR$	S	Must be routed from the ClearOne Converge Feedback Processor module.

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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.

PARAMETERS:

TYPE-ID-ASCII	S	Enter 1 for 880, 2 for TH20, 3 for 840T, A for 8i, D for 880T, G for SR1212, H for 880TA, I for SR1212A and E for VH20.
TYPE-ID-HEX	S	Enter 31 for 880, 32 for TH20, 33 for 840T, 41 for 8i, 44 for 880T, 47 for SR1212, 48 for 880TA, 49 for SR1212A and 45 for VH20.
UNIT-ID-ASCII	S	Enter the unit number of the ClearOne Converge unit being controlled. Should be a number from 0-F.

TESTING:

OPS USED FOR TESTING:	v4.001.1012
SIMPL WINDOWS USED FOR TESTING:	v2.11.27
DEVICE DB USED FOR TESTING:	v26.00.005.00
CRES DB USED FOR TESTING:	v21.02.016.00
SYMBOL LIBRARY USED FOR TESTING:	v648
SAMPLE PROGRAM:	ClearOne Converge Series Demo PRO2.smw
REVISION HISTORY:	v1.0 – Initial release v1.1 - Added Type-ID parameter values for TH20, 8i, 880, 880T and SR1212. v1.2 – Added Type-ID-HEX parameter. v1.3 – Added parameter ID for 880TA and SR1212A. v1.4 - Added Type-ID parameter values for VH20. Added Line Inputs 1-4. Added VoIP Receive input. Added VoIP Transmit output.

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