

Partner: ClearOne
Model: Converge SR1212
Device Type: Conferencing



GENERAL INFORMATION

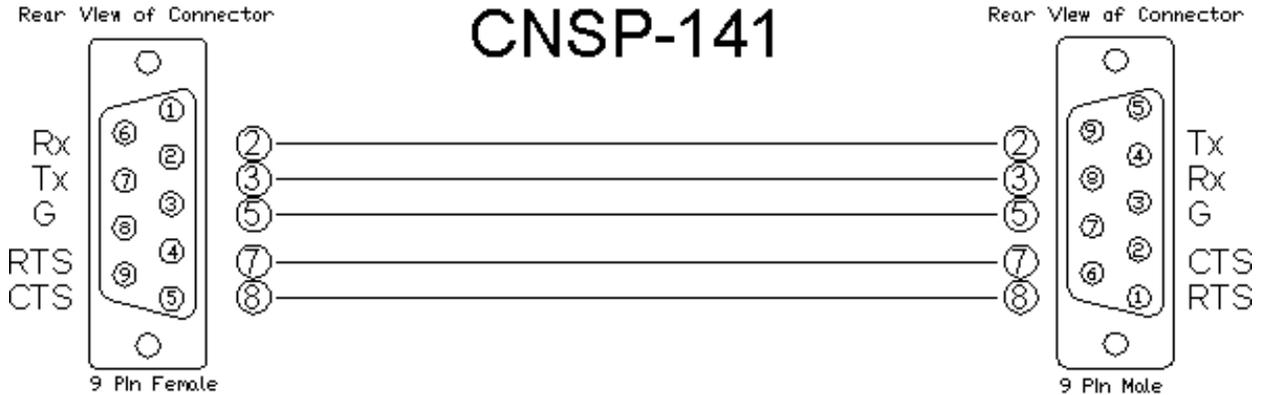
SIMPLWINDOWS NAME:	ClearOne Converge SR1212 Matrix Routing v1.1
CATEGORY:	Conferencing
VERSION:	1.1
SUMMARY:	Allows the routing and monitoring of the inputs and outputs of the ClearOne Converge SR1212.
GENERAL NOTES:	<p>Multiple devices can be connected to the ClearOne bus and controlled from a single RS232 port. Therefore, it is 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 0-7 with no suffix.</p> <p>This module allows the routing of any crosspoint on the ClearOne Converge SR1212 to be adjusted and monitored. You must first select a source using the Src_* inputs, and a destination using the Dest_* inputs. After making these selections, you can pulse one of the Routing_* inputs to perform the desired route.</p> <p>Whenever a source is selected, any outputs that are connected to that input will have it associated Dest_*_Connected signal latch high from the module. The associated Dest_*_Crosspoint_Text serial signal will describe the type of crosspoint it is (Crosspoint On, Crosspoint Off, Gated, etc.)</p> <p>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.</p> <p>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 as are in the program. The Processor module will reformat the data into the format that the remaining ClearOne Converge modules are programmed for.</p> <p>The ClearOne Converge Feedback Processor v1.6 module supports processing the feedback for this module.</p>
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:	4.4.0
VENDOR SETUP:	Flow control should be set to "on". The baud rate should be set to 57600.

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CABLE DIAGRAM:

CNSP-141



CONTROL:

Src_*	D	Pulse to select the source of the crosspoint.
Dest_*	D	Pulse to select the destination of the crosspoint.
Routing_*	D	Pulse to perform the desired routing function for the currently selected source and destination.
FROM-CLEARONE-PROCESSOR\$	S	Must be routed from the ClearOne Converge Feedback Processor v1.4 module.

FEEDBACK:

Src_*_Monitored	D	Indicates which source is currently selected/monitored.
Dest_*_Monitored	D	Indicates which destination is selected.
Dest_*_Connected	D	Indicates which destinations are connected to the currently monitored source.
Dest_*_Crosspoint_Text	S	Displays the type of crosspoint is being used between the destinations and the currently monitored source.
To_Device\$	S	Serial signal to be routed to a 2-way RS232 port.

PARAMETERS:

UNIT-ID-ASCII	S	Enter the unit number of the ClearOne Converge unit being controlled. Should be a number from 0-7.
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**TESTING:**

OPS USED FOR TESTING:	v1.503.3094
SIMPL WINDOWS USED FOR TESTING:	v4.07.03
CRES DB USED FOR TESTING:	v63.00.004.00
DEVICE DB USED FOR TESTING:	v84.05.002.00
SYMBOL LIBRARY USED FOR TESTING:	v1032
SAMPLE PROGRAM:	ClearOne Converge SR1212 Routing Demo v1.1 CP3.smw
REVISION HISTORY:	v1.0 – Initial release v1.1 – Modified to account for API MTRX2 command deprecation.