

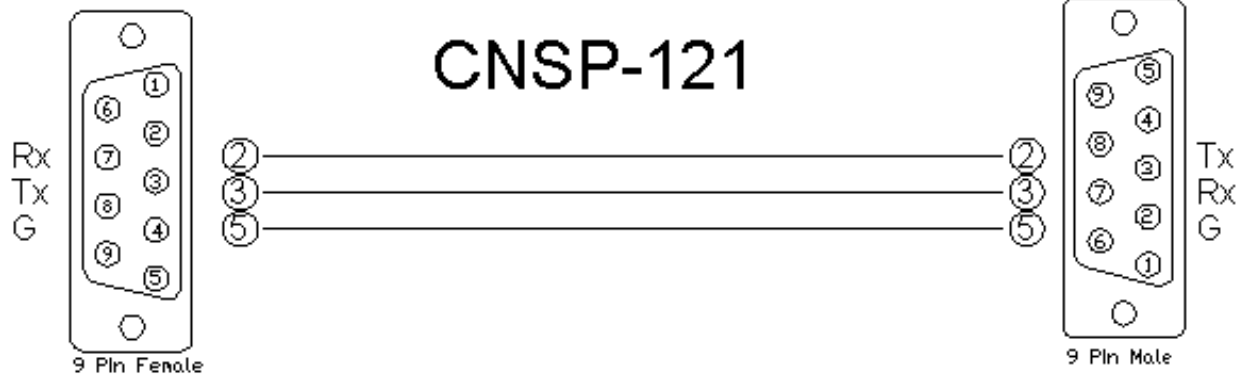
**Partner: Converging Systems**  
**Model: eNode & IBT-100**  
**Device Type: Lighting**



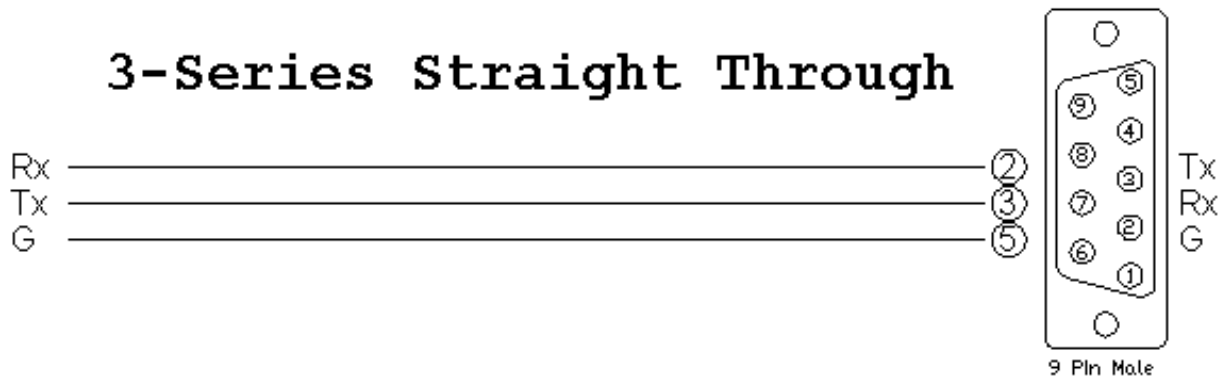
## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Converging Systems eNode + IBT-100 Queue v2.0
<b>CATEGORY:</b>	Shades/Drapes or Lighting
<b>VERSION:</b>	2.0
<b>SUMMARY:</b>	This module handles all communications between the Crestron and the Converging Systems eNode or IBT-100.
<b>GENERAL NOTES:</b>	This module interfaces between the Crestron and the Converging Systems eNode or IBT-100 to control video screen motors and LEDs. The eNode provides TCP/IP control while the IBT-100 allows RS232 control. Motors and LEDs are assigned addresses that consist of a zone number a group number and a node number. The addresses are typically written zzz.ggg.nnn. Those are the values that are required for the motor control and LED control modules. In order to provide the most efficient processing of the data from there are three modules required. This module, Converging Systems eNode + IBT-100 Queue v2.0, the Converging Systems eNode + IBT-100 Zone Parser v2.0 and the Converging Systems eNode + IBT-100 Group Parser v2.0. This module is written to work with 2-series or later processors.
<b>CRESTRON HARDWARE REQUIRED:</b>	C2I-COM, C2-COM-*, C2I-*3-COM*, C2I-*ENET-*
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud:57600 Parity: None Data Bits: 8 Stop Bits: 1  TCP/IP Port: 23
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	Each device on the bus must have it's ID zone ,group and node set.
<b>CABLE DIAGRAM:</b>	RS232: 2-series & MC3: CNSP-121 3-series: See diagram below TCP/IP: Ethernet

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### 3-Series Straight Through



#### CONTROL:

From_Device	S	Serial signal to be routed from the RX\$ on a TCP/IP Client or from the [rx\$] on a 2-way serial com port.
From_Modules	S	Serial signal to be routed from all motor and LED control modules.

#### PARAMETERS:

User Name	S	Enter the user name to login into the eNode or the IBT-100. The default user name will be filled in when the modules is added to the program.
Password	S	Enter the password to log into the eNode or the IBT-100. The default password will be filled in when the modules is added to the program.
Send Command Frequency	A	Select the frequency that commands will be sent to the eNode or IBT-100. The choices are 0.1 seconds, 0.5 seconds, 1.5 seconds and 3.0 seconds. Default is 0.1s seconds.

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<b>To_Device</b>	S	Serial signal to be routed to the TX\$ input on a TCP/IP Client or to the [tx\$] input on a 2-way serial com port.
<b>To_Zone_*_Module</b>	S	Serial signal to be routed to the From_Queue input on the Converging Systems eNode + IBT-100 Zone Parser v2.0 modules.

**TESTING:**

<b>OPS USED FOR TESTING:</b>	CP3: 1.008.0040
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.02.52
<b>DEVICE DB USED FOR TESTING:</b>	58.05.002.00
<b>CRES DB USED FOR TESTING:</b>	47.00.003.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	901
<b>SAMPLE PROGRAM:</b>	Converging Systems eNode + IBT-100 v2.0 Demo
<b>REVISION HISTORY:</b>	v1.0 – Original Release. v2.0 – Added new commands and feedback.