

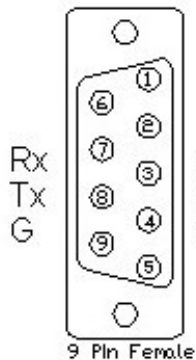
**Partner: Tributaries**  
**Model: HM440IR**  
**Device Type: Switcher**


**GENERAL INFORMATION**

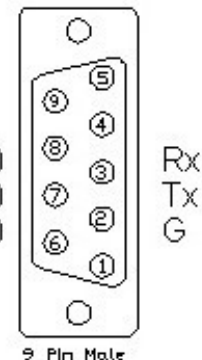
<b>SIMPLWINDOWS NAME:</b>	Tributaries HM440IR v1.0
<b>CATEGORY:</b>	Switcher
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module provides control and feedback for the Tributaries HM440IR.
<b>GENERAL NOTES:</b>	On startup, pulse Initialize. This will synchronize power feedback and set all routes to input 1. Alternatively, any other route can be made for each output to synchronize feedback.
<b>CRESTRON HARDWARE REQUIRED:</b>	C2I-COM6, C2-COM2/3, CNXCOM-6, CNX-COM2, ST-COM
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	n/a
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	CNSP-122

# CNSP-122

Rear View of Connector



Rear View of Connector



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**CONTROL:**

<b>Power_On/Off</b>	D	Pulse to turn the power on and off.
<b>Initialize</b>	D	Pulse on startup to synchronize feedback. This will set each output to input 1 and turn the switcher on.
<b>Input_1/Input_2/Input_3/Input_4</b>	D	Pulse to select an input to make a route. This must be used in conjunction with the outputs below, but can be used in any order.
<b>Output_1/Output_2/Output_3/Output_4</b>	D	Pulse to select an output to make a route. This must be used in conjunction with the inputs below, but can be used in any order.
<b>Cancel</b>	D	Pulse to cancel the selection of either input or output.
<b>Set_Output_1_Input_1 – Set_Output_4_Input_4</b>	D	Pulse to set a preset route.
<b>From_Device</b>	S	Connect to RX on COM port.

**FEEDBACK:**

<b>Power_Is_On/Power_Is_Off</b>	D	Feedback of the power status of the HM440IR. Note that on processor startup you must issue a power command (on or off) to synchronize and activate the feedback.
<b>Initialize_Busy</b>	D	Indicates that the initialize process is busy.
<b>Input_1_Selected - Input_4_Selected</b>	D	Feedback for the input that is selected when selecting a route. This signal will only be high until the route is made, and then it will go low.
<b>Output_1_Selected - Output_4_Selected</b>	D	Feedback for the output that is selected when selecting a route. This signal will only be high until the route is made, and then it will go low.
<b>Output_1_Input_1_Is_Set - Output_4_Input_4_Is_Set -</b>	D	Feedback for which routes are active.
<b>To_Device</b>	S	Connect to TX on COM port.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	4.001.1012
<b>SIMPL WINDOWS USED FOR TESTING:</b>	2.12.24.00
<b>CRES DB USED FOR TESTING:</b>	22.05.013.00
<b>DEVICE DATABASE:</b>	30.00.011.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	508
<b>SAMPLE PROGRAM:</b>	Tributaries HM440IR v1.0 Demo PRO2.smw
<b>REVISION HISTORY:</b>	V. 1.0 – Original release.