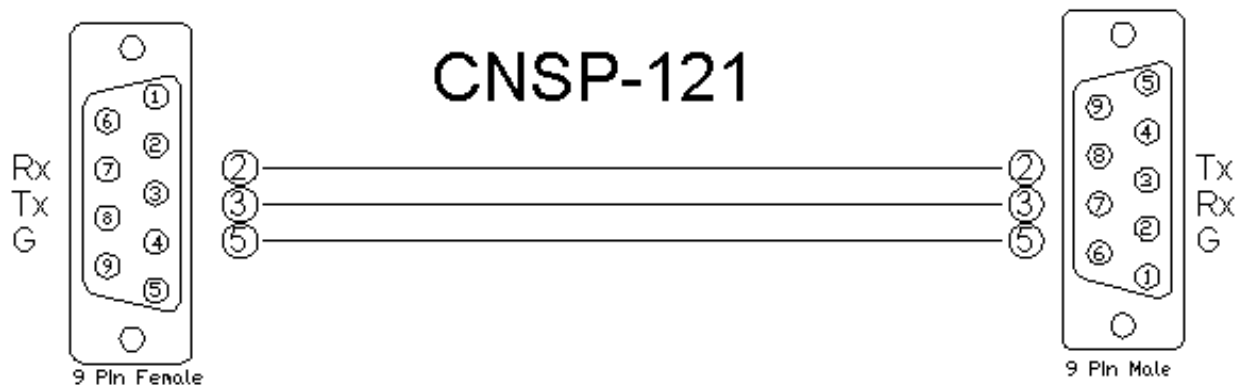


Partner: Endeleo
Model: TVM-1600
Device Type: TV Tuner



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Endeleo TVM-1600
CATEGORY:	TV Tuner
VERSION:	1.0
SUMMARY:	This module will control one port on the Endeleo TVM-1600.
GENERAL NOTES:	<p>This module provides control for one port on the Endeleo TVM-1600. It also provides true feedback.</p> <p>NOTE: Channels must be enabled. If the Crestron tells the Endeleo to go to a channel that is not enabled, the Endeleo will not go to that channel.</p> <p>NOTE: You must use the Endeleo Serial Queue module.</p> <p>NOTE: THIS IS MODULE IS FOR THE 2-SERIES PROCESSORS ONLY.</p>
CRESTRON HARDWARE REQUIRED:	C2COM, C2COM-2/3, ST-COM
SETUP OF CRESTRON HARDWARE:	<p>RS232</p> <p>Baud: 9600</p> <p>Parity: None</p> <p>Data Bits: 8</p> <p>Stop Bits: 1</p>
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-121



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**CONTROL:**

Lock/Unlock_Port/Lock_Toggle	D	Pulse to lock and unlock the port.
Power_On/Off/Toggle	D	Pulse to turn the port power on and off.
Channel_Preset_Enter	A	Analog signal to be used to enter a preset channel.
Key_*	D	Pulse to enter the channel number to go to.
Channel_Up/Down	D	Pulse to change to the next enabled channel up or down.
Volume_Up/Down	D	Press and hold to adjust the volume.
Volume_Mute_On/Off/Toggle	D	Pulse to turn the volume mute on and off.
Show_Enabled/Disabled_Channels	D	Pulse to display the first page of channel enable and disable.
First/Last_Page	D	Pulse to display the first or last page of channel enable and disable.
Previous/Next_Page	D	Pulse to display the previous or next page of channel enable and disable.
Select_Result_*	D	Pulse to select and deselect the desired result.
Enable/Disable/Toggle_Selected_Channel	D	Pulse to enable or disable the selected channel.
Initialize	D	Pulse to get all of the status including the enable/disable state of each channel.
Poll_Enable	D	Hold high to enable polling.
From_Device\$	S	Serial signal to be routed from a 2-way serial com port.

PARAMETERS:

Port Number	P	Enter the port number to control.
Results Per Page	P	Select the number of enable/disable results to display per page.

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**FEEDBACK:**

Lock/Unlock_Port_Fb	D	High to indicate the current lock state of the port.
Power_On/Off_Fb	D	High to indicate the current power state of the port.
Channel_Entry	A	Analog signal indicating the channel being entered using the Key_* inputs.
Current_Channel	A	Analog signal indicating the currently tuned channel on the port.
Volume_Bar	A	Analog signal indicating the last volume level sent to the port. To be displayed on a bar graph on a touch panel.
Volume_Mute_On/Off_Fb	D	High to indicate the current mute state for the volume mute.
Page_Number	A	Analog signal indicating the currently displayed page number.
Max_Pages	A	Analog signal indicating the total number of display pages.
Select_Result_*_Fb	D	High to indicate the currently selected result.
Result_*_Channel_Number	S	Serial signal indicating the channel number for the result.
Result_*_Enabled_Fb	D	High to indicate that the results channel is enabled.
To_Serial_Queue_Module\$	S	Serial signal to be routed to the Endeleo Serial Queue module.

TESTING:

OPS USED FOR TESTING:	PRO2: 3.137
COMPILER USED FOR TESTING:	2.06.20
SAMPLE PROGRAM:	Endeleo TVM-1600 Demo PRO2
REVISION HISTORY:	V. 1.0 – Original release.