

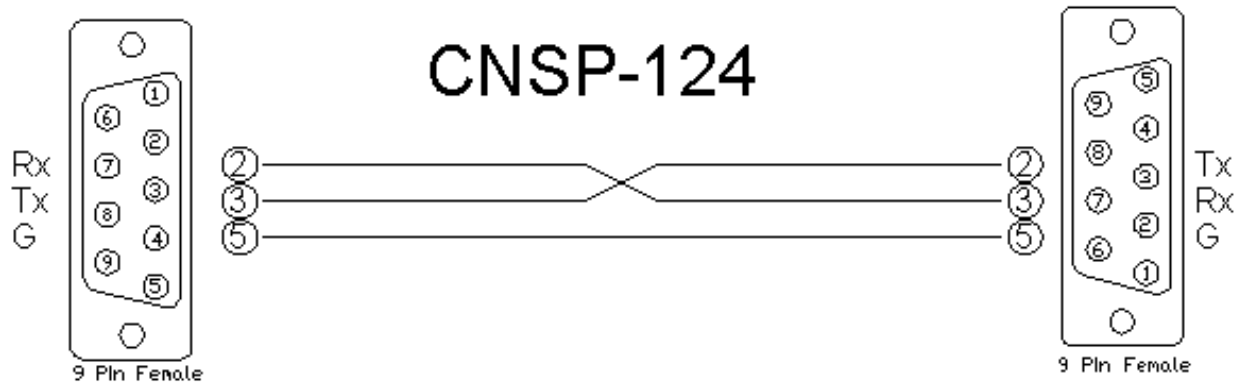
Partner: Epson
Model: EMP-600+800+810+811+820
Device Type: TV/Video Projector



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Epson EMP-600+800+810+811+820 Full Control
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	Controls the Epson EMP-600+800+810+811+820 video projectors.
GENERAL NOTES:	<p>This module will control the Epson EMP-600+800+810+811+820 video projectors. It uses the Epson ASCII protocol.</p> <p>It allows control of power, input selects, av mute, and picture control functions. In addition, it will poll the projector for 1 minute after an input selection or picture mute command is sent. If it is desired to poll the projector beyond this one minute time, you can assert the Poll_Enable input. Then the projector will be polled every 15 seconds as long as it is held high.</p> <p>This projector will provide feedback indicating if it is in the fully on state. When fully on, the Power_On_Fb will be high. When the projector is in any other state (such as off, warming up, or cooling down), the Power_Off_Fb output will be high.</p> <p>NOTE: The Initialize input needs to be pulsed to start communications. This should be done after a power loss, after a program reload or when the RS232 cable to the projector gets disconnected and reconnected.</p>
CRESTRON HARDWARE REQUIRED:	CNXCOM, ST-COM, C2COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-124

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CONTROL:

Power_*	D	Pulse to turn the projector on and off.
Input_*	D	Pulse to select the desired input.
AV_Mute_*	D	Pulse to turn the av mute on and off.
Brightness_*	D	Press and hold to adjust the brightness of the projector's image.
Contrast_*	D	Press and hold to adjust the contrast of the projector's image.
Color_*	D	Press and hold to adjust the color of the projector's image.
Tint_*	D	Press and hold to adjust the tint of the projector's image.
Sharpness_*	D	Press and hold to adjust the sharpness of the projector's image.
Poll_Enable	D	Hold high to poll the projector every 15 seconds. If this is held low. The projector will be poll every 5 seconds for 1 mintue after an input select or an av mute select. Default is high.
Initialize	D	Pulse to start communications with the projector. See note above.
From_Device\$	S	Serial signal to be routed from a 2-way serial com port.

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FEEDBACK:

Power*_Fb	D	High to indicate the current power state of the projector.
Input*_Fb	D	High to indicate the currently selected input.
AV_Mute*_Fb	D	High to indicate the current av mute state of the projector.
Brightness_Bar	A	Analog signal representing the brightness level. To be displayed on a bar graph.
Contrast_Bar	A	Analog signal representing the contrast level. To be displayed on a bar graph.
Color_Bar	A	Analog signal representing the color level. To be displayed on a bar graph.
Tint_Bar	A	Analog signal representing the tint level. To be displayed on a bar graph.
Sharpness_Bar	A	Analog signal representing the sharpness level. To be displayed on a bar graph.
Lamp_Hours_Analog	A	Analog signal representing the lamp hours. To be displayed on a digital gauge.
To_Device\$	S	Serial signal to be routed to a 2-way serial com port.

TESTING:

OPS USED FOR TESTING:	PRO2: 3.117 CNMSX-Pro: 5.14.02x
SIMPL WINDOWS USED FOR TESTING:	2.05.20
SAMPLE PROGRAM:	Epson EMP-600+800+810+811+820 Demo PRO2 Epson EMP-600+800+810+811+820 Demo CNMSX
REVISION HISTORY:	V. 1.0 – Original release.