

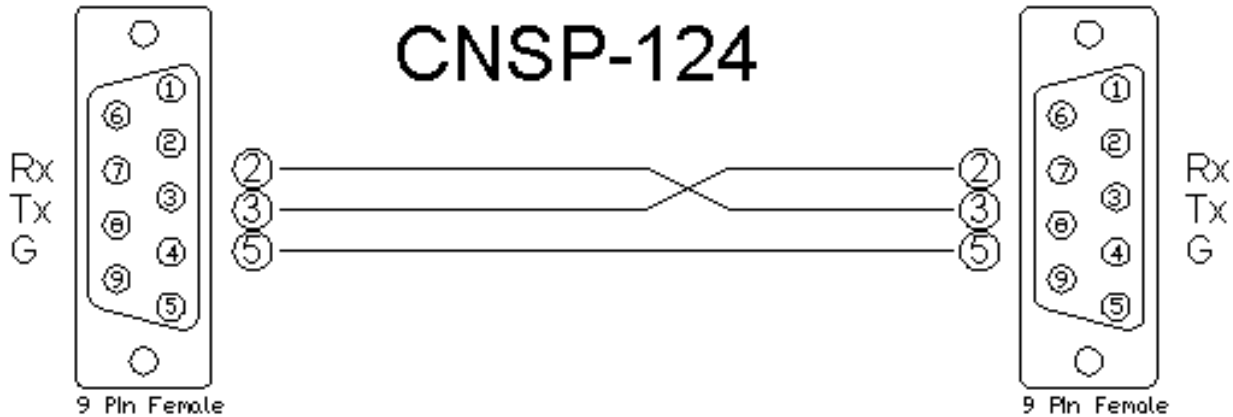
Partner: Epson
Model: EMP-7800 + 7850
Device Type: LCD Projector



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Epson EMP-7800 + 7850 Projector.umc
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module will control Power, Source Select, Picture mute, Aspect Ratio, Freeze, Brightness, Contrast, Color, Tint, Sharpness, Volume and display elapsed Lamp Hour usage.
GENERAL NOTES:	<p>This module will control the Epson EMP-7800/7850 LCD projector. True feedback is provided for power, inputs, picture mute, freeze, aspect ratio and picture settings. When any command is sent to the projector, it will acknowledge that the command was processed properly and the corresponding feedback will be reflected at the outputs of this module. If it is desired to poll the projector for changes made using the IR remote control, or by the controls on the projector itself, you can assert the Poll_Enable input. When this input is high, the projector will be polled every 15 seconds to determine the state of power.</p> <p>If it is desired to poll the projector for picture setting changes made using the IR remote control, or by the controls on the projector itself, you can assert the Poll_Settings input. When this input is high, the projector will be polled every 45 seconds to determine the state of input source, picture mute, freeze, aspect ratio, brightness, contrast, sharpness, color, tint, volume and elapsed lamp hours. Typically, you could enable either polling option when the projector's particular control page is active and displayed on a touch panel. You would then disable polling at other times.</p> <p>It is recommended to enable the device's Standby Mode to "NETWORK ON" setting to ensure proper power status feedback. This option is in the Advanced 1 menu.</p>
CRESTRON HARDWARE REQUIRED:	C2-COM, ST-COM, CNMSX Internal Com Ports
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	NONE
CABLE DIAGRAM:	CNSP-124

Partner: Epson
Model: EMP-7800 + 7850
Device Type: LCD Projector



CONTROL:		
	D	Pulse to change device's power state
Input_*	D	Pulse to change device's input source
Picture_Mute_*	D	Pulse to enable/disable picture mute
Freeze_*	D	Pulse to enable/disable picture freeze
Aspect_*	D	Pulse to select desired aspect ratio
*_Up/Down	D	Assert to increase/decrease device's current picture/volume level
Poll_Enable	D	When high, device is polled every 15 seconds for power status
Poll_Settings	D	When high, device is polled every 45 seconds for general/picture settings
From_Device\$	S	Serial signal from a 2-way com port

Partner: Epson
Model: EMP-7800 + 7850
Device Type: LCD Projector


FEEDBACK:

Power*_FB	D	True feedback indicating device's current power status
Input*_FB	D	True feedback indicating device's current input source
Picture_Mute*_FB	D	True feedback indicating device's current picture mute status
Freeze*_FB	D	True feedback indicating device's current picture freeze status
Aspect*_FB	D	True feedback indicating device's current picture aspect ratio
*_Bar	A	Analog value of device's current picture/volume level to be sent to a bar graph
Lamp_Hours	D	Decimal value of device's current elapsed lamp hour usage
To_Device\$	S	Serial signal to be sent to a 2-way Com Port

TESTING:

OPS USED FOR TESTING:	3.088
COMPILER USED FOR TESTING:	2.00.30
SAMPLE PROGRAM:	Epson EMP-7800 + 7850 Projector Demo Pro2
REVISION HISTORY:	V. 1.0