

Partner: Yamaha
 Model: DPX-830
 Device Type: TV/Video Projector



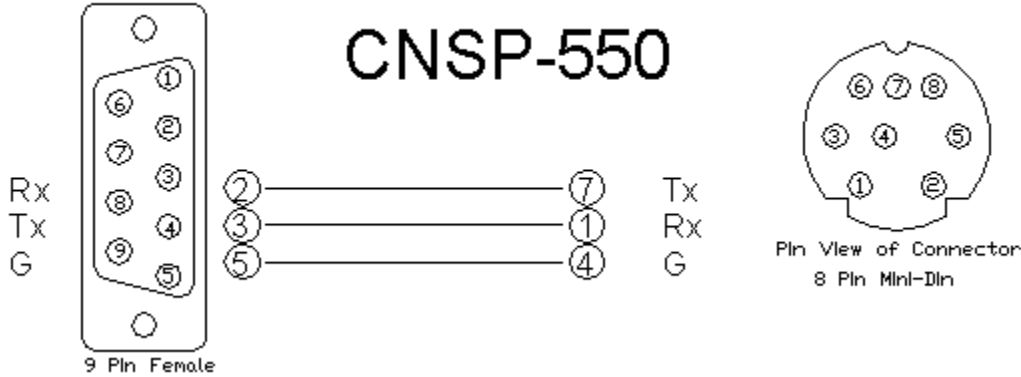
GENERAL INFORMATION

SIMPLWINDOWS NAME:	Yamaha DPX-830 Projector
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module will control the Yamaha DPX-830 Projector
GENERAL NOTES:	<p>This module will control a Yamaha DPX-830 Projector. True feedback is provided for power, inputs, 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, input source and aspect ratio.</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 30 seconds to determine the state of brightness, contrast, sharpness, color, tint 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>NOTE: This module depends on feedback from the device. You cannot comment out the From_Device\$ serial input. This serial signal must be used for proper module operation. Some functions of this module will not operate in certain modes. Please review manufacturer's manual for more details.</p>
CRESTRON HARDWARE REQUIRED:	CNCOMH-2, CNXCOM-2, ST-COM, C2-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1 H/W Hand Shaking: None
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	NONE
CABLE DIAGRAM:	CNSP-550

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Rear View of Connector


CONTROL:

From_Device\$	S	Serial signal to be routed from a 2-way serial com port
Power_On/Off/Toggle	D	Pulse to turn unit on and off
UNIT_ADDRESS==00	P	Enter an ASCII character that represents the projector's ID. Valid parameters are 00 through 99. 00 is default.
Input_Computer	D	Pulse to switch source to Computer RGB
Input_Component	D	Pulse to switch source to Component
Input_HDMI	D	Pulse to switch source to HDMI
Input_Video	D	Pulse to switch source to Video composite
Input_S-Video	D	Pulse to switch source to S-Video
Screen_Aspect_4-3	D	Pulse to switch screen aspect to 4:3
Screen_Aspect_16-9	D	Pulse to switch screen aspect to 16:9
Picture_Mute	D	Pulse to toggle picture mute
Aspect_Ratio_Default	D	Pulse to switch aspect to default
Aspect_Ratio_Normal	D	Pulse to switch aspect to normal

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Aspect_Ratio_Squeeze	D	Pulse to switch aspect to squeeze
Aspect_Ratio_Zoom_Subtitle	D	Pulse to switch aspect to subtitle
Aspect_Ratio_Zoom	D	Pulse to switch aspect to zoom
Aspect_Ratio_Smart_Zoom	D	Pulse to switch aspect to smart zoom
Aspect_Ratio_Through	D	Pulse to switch aspect to through
Contrast_+	D	Pulse to ramp contrast up
Contrast_-	D	Pulse to ramp contrast down
Brightness_+	D	Pulse to ramp brightness up
Brightness_-	D	Pulse to ramp brightness down
Color_+	D	Pulse to ramp color up
Color_-	D	Pulse to ramp color down
Sharpness_+	D	Pulse to ramp sharpness up
Sharpness_-	D	Pulse to ramp sharpness down
Tint_+	D	Pulse to ramp tint up
Tint_-	D	Pulse to ramp tint down
Poll_Enable	D	When high, the screen will be polled for it's general settings every 15 seconds
Poll_Settings	D	When high, the screen will be polled for it's picture settings and Lamp Hours every 30 seconds

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**FEEDBACK:**

To_Device\$	S	Serial signal to be routed to a 2-way serial com port
Power_On/Off_Fb	D	Digital feedback indicating power state
Input_*_Fb	D	Digital feedback indicating source input state currently displayed
Screen_Aspect_*_Fb	D	Digital feedback indicating screen aspect ratio currently displayed
Contrast_Bar	A	Analog value representing contrast to be displayed on a touch panel bar graph
Brightness_Bar	A	Analog value representing brightness to be displayed on a touch panel bar graph
Color_Bar	A	Analog value representing color to be displayed on a touch panel bar graph
Sharpness_Bar	A	Analog value representing sharpness to be displayed on a touch panel bar graph
Tint_Bar	A	Analog value representing tint to be displayed on a touch panel bar graph
Lamp_Hours	A	Decimal value of elapsed lamp hours to be displayed on a touch panel digital gauge

TESTING:

OPS USED FOR TESTING:	PRO2 Cntrl Eng [v3.137 (Release)]
SIMPL WINDOWS USED FOR TESTING:	SIMPL 2.07.24
CRES DB USED FOR TESTING:	18.0.8
SYMBOL LIBRARY USED FOR TESTING:	381
SAMPLE PROGRAM:	Yamaha DPX-830 Pro2 Demo
REVISION HISTORY:	V. 1.0