

Partner: Hitachi  
 Model: CP-X2510N  
 Device Type: LCD Projector



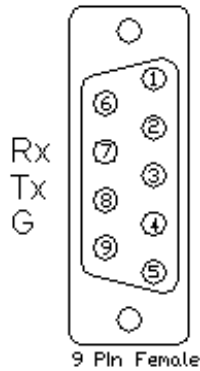
**GENERAL INFORMATION**

<b>SIMPLWINDOWS NAME:</b>	Hitachi CP-X2510N v1.0
<b>CATEGORY:</b>	TV/ Video Projector
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module provides RS232 control to the Hitachi CP-X2510N LCD projector
<b>GENERAL NOTES:</b>	<p>This module will control the Hitachi CP-X2510N LCD Projector. True feedback is provided for all functions. When any command is sent to the projector, the module will acknowledge that the command was processed properly and the corresponding feedback will be reflected at the outputs of this module. An active signal must be present at one of the projector's inputs before acquiring accurate feedback. On power up, "power on feedback" may be delayed by 5 seconds while the projector is warming up.</p> <p>When the Poll_Enable input is asserted(Default =1), the projector will be polled every 15 seconds to determine the state of power, input source and picture mute. 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(Default =1). When this input is high, the projector will be polled every 45 seconds to determine the state of aspect ratio, brightness, contrast, volume, audio mute status. 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>This module is System Builder compatible.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	Built for 2-series Control processors, C2COM-2/3, ST-COM
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 19200 Parity: N Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	None
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	CNSP-124

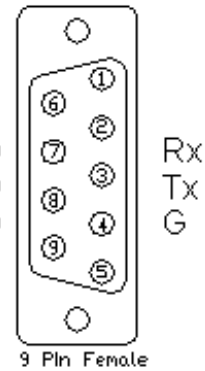
**Partner: Hitachi**  
**Model: CP-X2510N**  
**Device Type: LCD Projector**



Rear View of Connector



Rear View of Connector



### CONTROL:

<b>Power_&lt;On/Off/Toggle&gt;</b>	D	Pulse to turn Projector On and Off
<b>Input_*</b>	D	Pulse to select Source , Computer 1, Computer 2, Video, S-Video, Component
<b>Picture_Mute_&lt;On/Off/Toggle&gt;</b>	D	Pulse to select Picture Mute state
<b>Aspect_*</b>	D	Pulse to select aspect mode. Aspect mode availability is dependent on what input is selected.
<b>Picture_Mode_*</b>	D	Pulse to select desired picture mode
<b>Auto_Adjust</b>	D	Pulse to activate the auto adjust function
<b>Contrast_&lt;Up/Down&gt;</b>	D	Press to adjust contrast up/ down
<b>Brightness_&lt;Up/Down&gt;</b>	D	Press to adjust brightness up/ down
<b>Volume_&lt;Up/Down&gt;</b>	D	Press to adjust volume up/ down for selected Input
<b>Volume_Mute_&lt;On/Off/Toggle&gt;</b>	D	Pulse to select volume mute state
<b>Poll_Enable</b>	D	When high, projector will be polled for general settings every 15 seconds (Default=1).
<b>Poll_Setting</b>	D	When high, projector will be polled for picture settings every 45 seconds (Default=1).
<b>From_Device</b>	S	Serial signal to be routed from a 2-way serial com port

**Partner: Hitachi**  
**Model: CP-X2510N**  
**Device Type: LCD Projector**


**FEEDBACK:**

<b>Power_Is_&lt;On/Off&gt;</b>	D	Digital feedback indicating state of projector power
<b>Input_Is_*</b>	D	Digital feedback indicating last selected input
<b>Picture_Mute_Is_&lt;On/Off&gt;</b>	D	Digital feedback indicating current mute state
<b>Aspect_Is_*</b>	D	Digital feedback indicating current aspect ratio
<b>Picture_Mode_Is_*</b>	D	Digital feedback indicating current picture mode
<b>*_Gauge</b>	A	Analog value of contrast, brightness, volume
<b>Volume_Mute_Is_&lt;On/Off&gt;</b>	D	Digital feedback indicating current volume mute
<b>Lamp_Hours</b>	A	Analog value of devices elapse lamp hours
<b>Filter_Hours</b>	A	Analog value of devices elapse filter hours
<b>To_Device</b>	S	Serial signal to be routed to a 2-way serial com port

**TESTING:**

<b>OPS USED FOR TESTING:</b>	v 3.155.1143 (Jun 20 2006) & 4.001.1012 (Feb 17, 2009)
<b>SIMPL WINDOWS USED FOR TESTING:</b>	Simpl Windows v. 2.12.28
<b>CRES DB USED FOR TESTING:</b>	v 21.02.018.00
<b>DEVICE DB USED FOR TESTING:</b>	v 26.05.004.00
<b>SAMPLE PROGRAM:</b>	Hitachi CP-X2510N v1.0 Demo PRO2.smw
<b>REVISION HISTORY:</b>	V. 1.0