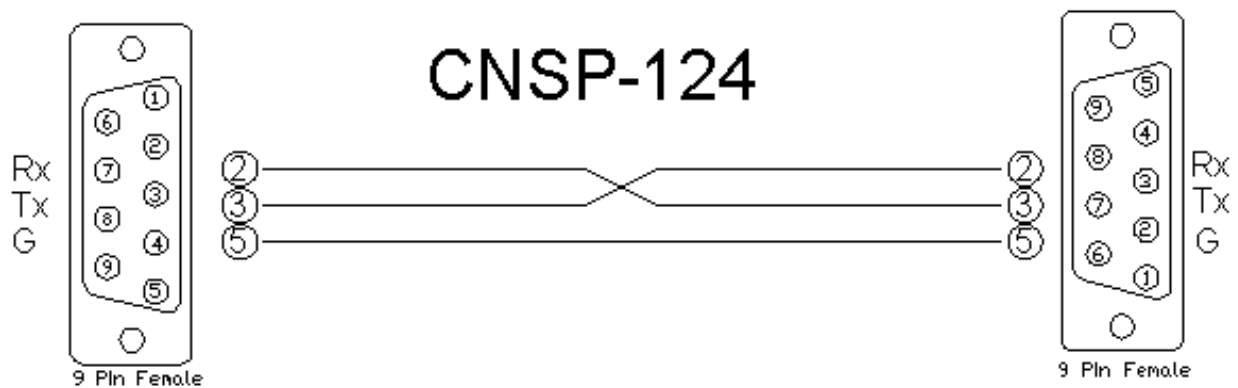


Partner: Sharp  
 Model: LC-70LE745U  
 Device Type: LCD Display



**GENERAL INFORMATION**

<b>SIMPLWINDOWS NAME:</b>	Sharp LC-70LE745U v1.0
<b>CATEGORY:</b>	TV/Video Projector
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module provides control and feedback for the Sharp LC-70LE745U.
<b>GENERAL NOTES:</b>	<p>This module provides control of the Sharp LC-70LE745U LCD Display. It also provides true feedback. It was developed and tested with the Sharp LC-70LE745U. It should also control the following models:</p> <p>LC-60LE745U          LC-80LE844U          LC-70LE847U          LC-60LE847U</p> <p>Note: Not all functions are available on all models.</p> <p>This module is System Builder Compatible.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	C2I-COM, ST-COM, C2-COM-*
<b>SETUP OF CRESTRON HARDWARE:</b>	<p>RS232</p> <p>Baud:9600</p> <p>Parity: None</p> <p>Data Bits: 8</p> <p>Stop Bits: 1</p>
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	N/A
<b>CABLE DIAGRAM:</b>	CNSP-124



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**CONTROL:**

<b>Power_&lt;On/Off/Toggle&gt;</b>	D	Pulse to turn the display on and off.
<b>Input_*</b>	D	Pulse to select the desired input.
<b>AV_Mode_*</b>	D	Pulse to select the desired av mode.
<b>Aspect_*</b>	D	Pulse to select the desired aspect ratio.
<b>Effect_3D_*</b>	D	Pulse to select the desired 3D effect.
<b>Keypad_&lt;1..0/Dot&gt;</b>	D	Pulse to enter the desired TV channel number. The entered number will not be sent until the Keypad_Enter is pulsed.
<b>Keypad_Clear</b>	D	Pulse to clear the channel number entered using the Keypad_<1...0/Dot> inputs.
<b>Keypad_Enter</b>	D	Pulse to send the channel number entered using the Keypad_<1...0/Dot> inputs.
<b>Channel_&lt;Up/Down&gt;</b>	D	Pulse to change the channel.
<b>Air</b>	D	Pulse to set the TV to the analog antenna.
<b>Cable</b>	D	Pulse to set the TV to cable.
<b>Volume_&lt;Up/Down&gt;</b>	D	Press and hold to adjust the volume level.
<b>Volume_Mute_&lt;On/Off/Toggle&gt;</b>	D	Pulse to turn the volume mute on and off.
<b>Sleep_Off</b>	D	Pulse to turn the sleep timer off.
<b>Sleep_&lt;30/60/90/120&gt;_Minutes</b>	D	Pulse to set the sleep time.
<b>Audio_Mode</b>	D	Pulse to cycle through the audio modes.
<b>Surrond_Mode</b>	D	Pulse to cycle through the surround modes.
<b>Closed_Caption</b>	D	Pulse to cycle through the closed caption settings.
<b>IR_Emulation_*</b>	D	Pulse to send the IR emulation commands.
<b>From_Device</b>	S	Serial signal to be routed from a 2-way serial com port.

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FEEDBACK:		
Power_Is_<On/Off>	D	High to indicate the current power state.
Input_Is_*	D	High to indicate the currently selected input.
AV_Mode_Is_*	D	High to indicate the currently selected av mode.
Aspect_Is_*	D	High to indicate the currently selected aspect ratio.
Effect_3D_Is_*	D	High to indicate the currently selected 3D effect.
Channel_Request_Text	S	Serial signal indicating the currently entered channel request to be sent to the display.
<Air/Cable>_Selected	D	High to indicate the current TV tuner selection.
Volume_Level	A	Analog signal indicating the volume level. To be displayed using a digital gauge on a touch panel.
Volume_Gauge	A	Analog signal indicating the volume level. To be displayed using a gauge on a touch panel.
Volume_Mute_Is_<on/Off>	D	High to indicate the current volume mute setting.
Sleep_Is_*	D	High to indicate the current sleep timer setting.
To_Device	S	Serial signal to be routed to a 2-way serial com port.

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<b>TESTING:</b>	
<b>OPS USED FOR TESTING:</b>	2 Series: v4.003.0015 3 Series: v1.002.0000
<b>SIMPL WINDOWS USED FOR TESTING:</b>	3.11.06
<b>DEVICE DB USED FOR TESTING:</b>	40.05.010.00
<b>CRES DB USED FOR TESTING:</b>	30.05.014.01
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	799
<b>SAMPLE PROGRAM:</b>	Sharp LC-70LE745U v1.0 PRO2 Demo Sharp LC-70LE745U v1.0 MC3 Demo
<b>REVISION HISTORY:</b>	v1.0 – Initial Release