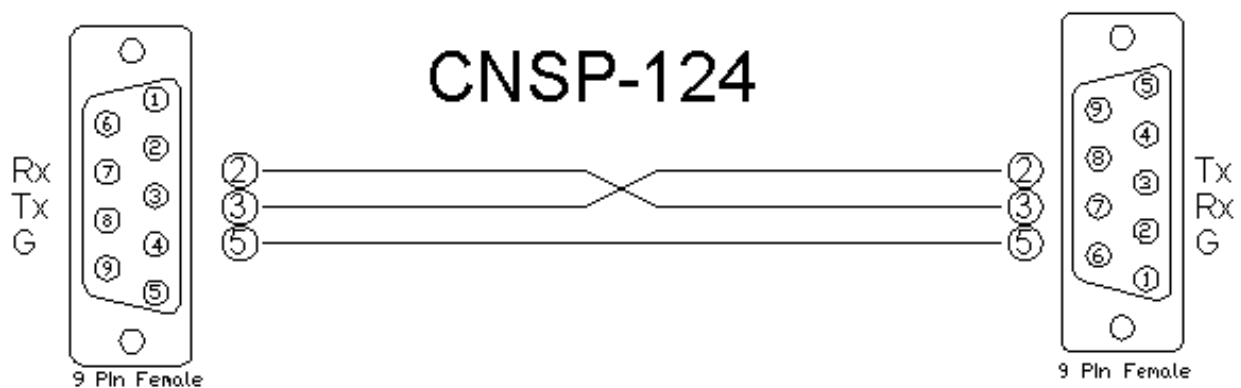


**Partner: NEC-Mitsubishi**  
**Model: LCD4000 + LCD3000**  
**Device Type: LCD Monitor**



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	NEC-Mitsubishi LCD3000 + LCD4000
<b>CATEGORY:</b>	TV/Video Projector
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module provides control and true feedback for the NEC-Mitsubishi LCD4000 + LCD3000 monitors.
<b>GENERAL NOTES:</b>	This module provides operating controls for the NEC-Mitsubishi LCD4000 and LCD3000 monitors. It also provides real feedback. The monitor is polled for power and input every 15 seconds, if the Poll_Enable is set high. It will poll for all other feedback every 30 seconds, if the Poll_Settings is set high.
<b>CRESTRON HARDWARE REQUIRED:</b>	C2-COM, CNXCOM, ST-COM
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	None
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	CNSP-124



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**CONTROL:**

<b>Power_On/Off/Toggle</b>	D	Pulse to turn the LCD on or off.
<b>Input_*</b>	D	Pulse to select the input.
<b>Size_*</b>	D	Pulse to select the picture size. NOTE: Wide is not available for RGB inputs.
<b>Picture_Mode_*</b>	D	Pulse to select the picture mode. NOTE: sRGB is only available for RGB inputs and Cinema is only available for video inputs.
<b>Contrast_Up/Down</b>	D	Press and hold to adjust the contrast. NOTE: Contrast is not available in sRGB mode.
<b>Brightness_Up/Down</b>	D	Press and hold to adjust the brightness.
<b>Color_Up/Down</b>	D	Press and hold to adjust the color. NOTE: Color is only available for video inputs.
<b>Sharpness_Up/Down</b>	D	Press and hold to adjust the sharpness.
<b>Tint_Up/Down</b>	D	Press and hold to adjust the tint. NOTE: Tint is only available for video inputs.
<b>PIP_On/Off/Toggle</b>	D	Pulse to turn the PIP on and off. NOTE: Before the pip is turned on, the pip input will be checked. If the pip input is of the same type as the main input, the pip input will be changed before the pip is turned on. This happens automatically inside the module.
<b>PIP_Input_*</b>	D	Pulse to select the input for the pip window. NOTE: For an RGB input in the main window, the only available pip input is the video. For a video input in the main window, the only available pip inputs are RGB2 and RGB3.
<b>PIP_*</b>	D	Pulse to select the pip window size.
<b>Volume_Up/Down</b>	D	Press and hold to adjust the volume.
<b>Volume_Mute_On/Off/Toggle</b>	D	Pulse to turn the volume mute on and off.
<b>Poll_Enable</b>	D	Hold high to poll the LCD for power and input every 15 seconds.
<b>Poll_Settings</b>	D	Hold high to poll the LCD for all other settings every 30 seconds.
<b>From_Device\$</b>	S	Serial signal to be routed from a 2-way serial com port.

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**FEEDBACK:**

Power_On/Off_Fb	D	High to indicate the current power state.
Input_*_Fb	D	High to indicate the current main input.
Size_*_Fb	D	High to indicate the current picture size.
Picture_Mode_*_Fb	D	High to indicate the current picture mode.
Contrast_Bar	A	Analog signal indicating the relative contrast level. To be displayed on a touch panel bar graph.
Brightness_Bar	A	Analog signal indicating the relative brightness level. To be displayed on a touch panel bar graph.
Color_Bar	A	Analog signal indicating the relative color level. To be displayed on a touch panel bar graph.
Sharpness_Bar	A	Analog signal indicating the relative sharpness level. To be displayed on a touch panel bar graph.
Tint_Bar	A	Analog signal indicating the relative tint level. To be displayed on a touch panel bar graph.
PIP_On/Off_Fb	D	High to indicate the current pip state.
PIP_Input_*_Fb	D	High to indicate the current pip input
PIP_*_Fb	D	High to indicate the current size of the pip window.
Volume_Bar	A	Analog signal indicating the relative volume level. To be displayed on a touch panel bar graph.
Volume_Mute_On/Off_Fb	D	High to indicate the current volume mute state.
To_Device\$	S	Serial signal to be routed to a 2-way serial com port.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	PRO2: v3.117 CNMSX-Pro: 5.14.02x
<b>COMPILER USED FOR TESTING:</b>	Simpl Windows 2.05.22
<b>SAMPLE PROGRAM:</b>	NEC-Mitsubishi LCD3000 + LCD4000 PRO2 Demo NEC-Mitsubishi LCD3000 + LCD4000 CNMSX Demo
<b>REVISION HISTORY:</b>	V. 1.0