

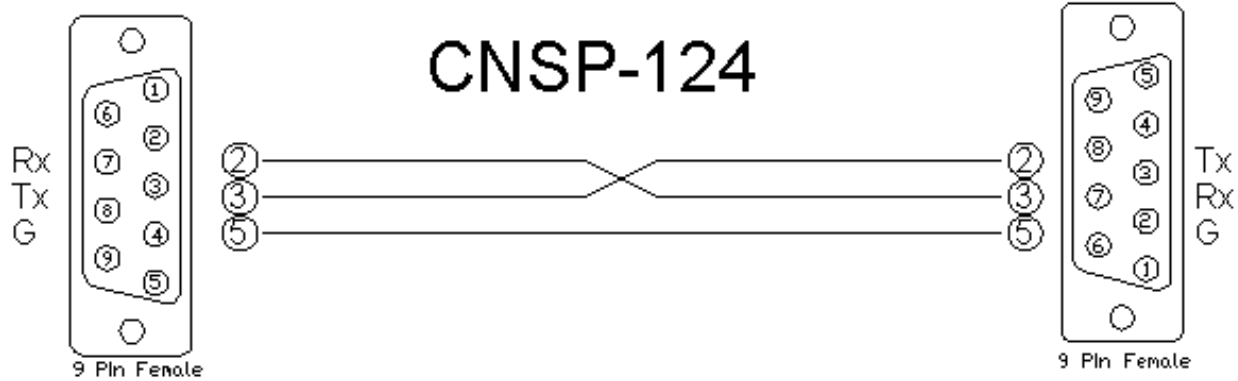
Partner: Samsung
Model: 400P + 460P
Device Type: LCD Display



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Samsung 400P + 460P
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module will control most of the functions for the Samsung 400P & 460P LCD displays.
GENERAL NOTES:	<p>This module will control the following functions of the Samsung 400P & 460P LCD display monitors: Power, Source Select, PIP, Aspect Ratio, Audio Mute, RGB Auto setup, Brightness, Contrast, Color, Tint, Sharpness and Volume. When a command is sent to the LCD, it will acknowledge that the command was processed properly and the corresponding feedback will be reflected at the outputs of this module.</p> <p>When the Poll_Enable input is asserted, the LCD will be polled every 15 seconds to determine the state of power. If it is desired to poll the LCD for any setting changes made using the IR remote control, or by the controls on the LCD itself, you can assert the Poll_Settings input. When this input is high, the LCD will be polled every 45 seconds to determine the state of input source, picture mute, aspect ratio, PIP, brightness, contrast, sharpness, color, tint and volume. Typically, you could enable either polling option when the LCD's particular control page is active and displayed on a touch panel. You would then disable polling at other times.</p> <p>Device ID must be entered in hex. For address 10, enter 0A; for address 75, enter 4B.</p>
CRESTRON HARDWARE REQUIRED:	C2-COM, ST-COM, CNMSX Internal Com Ports
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	NONE
CABLE DIAGRAM:	CNSP-124

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CONTROL:

Power_*	D	Pulse to change device's power state
Input_*	D	Pulse to change device's input source
Aspect_*	D	Pulse to select desired aspect ratio
Auto_Adjust	D	Pulse to enable auto picture adjust for RGB inputs
*_Up/Down	D	Assert to increase/decrease device's current picture/volume level
Audio_Mute_On/Off	D	Pulse to enable/ disable audio mute
PIP_*	D	Pulse to enable/disable picture in picture
PIP_Input_*	D	Pulse to select the desired input for the PIP window
PIP_Swap	D	Pulse to select PIP swap
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

PARAMETERS:

ADDRESS	P	Device ID. Select from the dropdown list. All IDs will control all plasmas screens connected in a daisy chain, however, it will not provide feedback.
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FEEDBACK:

Power_*_FB	D	True feedback indicating device's current power status
Input_*_FB	D	True feedback indicating device's current input source
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
Audio_Mute_On/Off_FB	D	True feedback indicating device's current audio mute state
PIP_On/Off_FB	D	True feedback indicating device's current picture-in-picture state
PIP_Input_*_Fb	D	True feedback indicating device's current picture-in-picture input source.
To_Device\$	S	Serial signal to be sent to a 2-way Com Port

TESTING:

OPS USED FOR TESTING:	PRO2: v3.137 CNMSX-Pro: 5.14.02x
SIMPL WINDOWS USED FOR TESTING:	2.06.20
CRES DB USED FOR TESTING:	17.5.1
SYMBOL LIBRARY USED FOR TESTING:	360
SAMPLE PROGRAM:	Samsung 400P + 460P Demo
REVISION HISTORY:	V1.0 – Original Release