

**Partner: Samsung**  
**Model: PPM50H3 + 42S3 + 63H3**  
**Device Type: Plasma Display**



**GENERAL INFORMATION**

<b>SIMPLWINDOWS NAME:</b>	Samsung PPM50H3 + 42S3 + 63H3 Plasma.umc
<b>CATEGORY:</b>	Monitor
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module will control the following functions of the Samsung PPM50H3, PPM63H3 and the PPH42S3 Plasma display monitors: Power, Source Select, PIP, Aspect Ratio, Audio Mute, RGB Auto setup, Brightness, Contrast, Color, Tint, Sharpness and Volume.
<b>GENERAL NOTES:</b>	<p>This module will control the following functions of the Samsung PPM50H3, PPM63H3 and the PPH42S3 Plasma 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 plasma, 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 plasma will be polled every 15 seconds to determine the state of power. If it is desired to poll the plasma for any setting changes made using the IR remote control, or by the controls on the plasma itself, you can assert the Poll_Settings input. When this input is high, the plasma 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 plasma'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 set from a range of 00 to 99 but must be enter as HEX. For example, Address 10 would be entered as 0A. The "h" suffix is not used. The only exception to this conversion is the default address. Even though it is 00, the proper HEX parameter is FF. This is set by the Vendor's protocol.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	C2-COM, ST-COM, CNMSX Internal Com Ports
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 19200 Parity: None Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	NONE
<b>CABLE DIAGRAM:</b>	CNSP-568

**Partner: Samsung**  
**Model: PPM50H3 + 42S3 + 63H3**  
**Device Type: Plasma Display**


**CONTROL:**

<b>Power_*</b>	D	Pulse to change device's power state
<b>Input_*</b>	D	Pulse to change device's input source
<b>PIP_*</b>	D	Pulse to enable/disable picture in picture
<b>PIP_Swap</b>	D	Pulse to select PIP swap
<b>Audio_Mute_On/Off</b>	D	Pulse to enable/ disable audio mute
<b>RGB_Auto</b>	D	Pulse to enable auto picture adjust for RGB inputs
<b>Aspect_*</b>	D	Pulse to select desired aspect ratio
<b>*_Up/Down</b>	D	Assert to increase/decrease device's current picture/volume level
<b>Poll_Enable</b>	D	When high, device is polled every 15 seconds for power status
<b>Poll_Settings</b>	D	When high, device is polled every 45 seconds for general/picture settings
<b>From_Device\$</b>	S	Serial signal from a 2-way com port
<b>ADDRESS</b>	P	Device ID. Valid range is from 00(FF) to 99(63). Parameter MUST be enters as the HEX equivalent. Only exception is 00(FF)

**Partner: Samsung**  
**Model: PPM50H3 + 42S3 + 63H3**  
**Device Type: Plasma Display**

**FEEDBACK:**

<b>Power_*_FB</b>	D	True feedback indicating device's current power status
<b>Input_*_FB</b>	D	True feedback indicating device's current input source
<b>Audio_Mute_On/Off_FB</b>	D	True feedback indicating device's current picture mute status
<b>PIP_On/Off_FB</b>	D	True feedback indicating device's current picture in picture status
<b>Aspect_*_FB</b>	D	True feedback indicating device's current picture aspect ratio
<b>*_Bar</b>	A	Analog value of device's current picture/volume level to be sent to a bar graph
<b>To_Device\$</b>	S	Serial signal to be sent to a 2-way Com Port

**TESTING:**

<b>OPS USED FOR TESTING:</b>	3.117
<b>COMPILER USED FOR TESTING:</b>	2.00.30
<b>SAMPLE PROGRAM:</b>	Samsung PPM50H3 + 42S3 + 63H3 Plasma Demo Pro2
<b>REVISION HISTORY:</b>	V. 1.0