

**Partner: Planar**  
**Model: Simplicity Series SLxx51**  
**Device Type: LCD Display**



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Planar Simplicity Series SLxx51 RS232 v1.0
<b>CATEGORY:</b>	TV/Video Projector
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module controls RS232 communication with the Planar Simplicity Series SLxx51 displays. Applicable models: SL4351, SL4851, SL5551, SL6551
<b>GENERAL NOTES:</b>	<p>This module is intended to control a single monitor. Video wall functionality is not implemented at this time.</p> <p>In order to ensure the module works correctly, Eco Mode must be set to "Normal" using the displays on-screen menu.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	<p>Crestron 2-Series* or 3-Series processor.</p> <p><i>*this module is set up to work with a 2-Series processor but has not been tested with one as of this writing.</i></p>
<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> <p>Flow Control: None</p>
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	N/A

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**PARAMETER:**

<b>Monitor_ID</b>	Setting to indicate the Monitor ID that has been set for the device.
<b>Volume_Step_Size</b>	Setting to indicate the single step amount to increment/decrement the volume.

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**CONTROL:**

<b>Connect</b>	D	Pulse to establish communication with the monitor.
<b>Disconnect</b>	D	Pulse to break communication with the monitor.
<b>Reinitialize</b>	D	Pulse to re-establish communication with the monitor. Pulsing this signal is the equivalent of pulsing Disconnect followed by Connect.
<b>Power_On</b>	D	Pulse to turn on the monitor.
<b>Power_Off</b>	D	Pulse to turn off the monitor.
<b>Power_Toggle</b>	D	Pulse to toggle the power status of the monitor.
<b>Input_[x]</b>	D	Pulse to switch to current input on the monitor to [x].
<b>Input_Cycle</b>	D	Pulse to cycle to the next input of the monitor.
<b>Volume_Up</b>	D	Pulse to raise the volume of the monitor by 1 step. Hold to raise the volume of the monitor in 1 step increments until released.
<b>Volume_Down</b>	D	Pulse to lower the volume of the monitor by 1 step. Hold to lower the volume of the monitor in 1 step increments until released.
<b>Volume_Set</b>	A	Set the volume level of the monitor.
<b>Volume_Mute_On</b>	D	Pulse to mute the volume of the monitor.
<b>Volume_Mute_Off</b>	D	Pulse to unmute the volume of the monitor.
<b>Volume_Mute_Toggle</b>	D	Pulse to toggle the volume mute status of the monitor.
<b>IR_[x]</b>	D	Pulse to send an IR emulation command to the monitor for [X].
<b>Poll_Enable</b>	D	Latch high to enable polling the monitor for the status of all relevant attributes. Unlatch to turn off polling. Note: the monitor does not provide unsolicited feedback. Enabling polling is highly recommended for accurate and up-to-date feedback.
<b>From_Device</b>	S	Serial signal to be routed from a 2-way COM port.

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**FEEDBACK:**

<b>Is_Communicating</b>	D	High to indicate that communication has been established with the device. Once communication has been established, the module will attempt to initialize automatically.
<b>Is_Initialized</b>	D	High to indicate that the module's internal state variables are now synced with the device's current state. <i>Note: Outgoing commands will not be sent to the monitor until the module is initialized. However, heartbeat commands will continue to be sent.</i>
<b>Power_Is_On</b>	D	High to indicate the monitor is currently on.
<b>Input_Is_[X]</b>	D	High to indicate the current input of the monitor is set to [X].
<b>Volume_Level</b>	A	Value indicating the current volume level of the monitor.
<b>Volume_Is_Muted</b>	D	High to indicate the volume of the monitor is currently muted.
<b>Polling_Is_Enabled</b>	D	High to indicate the module is currently set to poll for device status.
<b>To_Device</b>	S	Serial signal to be routed to a 2-way COM port.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	RMC3: 1.011.0023
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.03.14.01
<b>CRES DB USED FOR TESTING:</b>	52.05.013.00
<b>DEVICE DATABASE:</b>	67.00.001.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	956
<b>SAMPLE PROGRAM:</b>	Planar Simplicity Series SLxx51 Demo RS232 RMC3
<b>REVISION HISTORY:</b>	v1.0 – Initial Release