

Partner: Da-Lite  
Models: Screen Controller



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Da-Lite Screen Controller v1.0
<b>CATEGORY:</b>	Misc
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	<p>This module controls a single instance of a Da-Lite Screen Controller via IP or RS232.</p>
<b>GENERAL NOTES:</b>	<p><b>Initial setup of Screen Controller:</b></p> <p>The Screen Controller admin account must be setup with a password using the web interface.</p> <ul style="list-style-type: none"><li>- Physically connect the ethernet connection on the Screen Controller to the network.</li><li>- Determine the IP Address of the Screen Controller. Follow the Screen Controller instruction manual for guidance.</li><li>- Access the web interface of the Screen Controller by browsing to it's IP Address and select the Security tab.</li><li>- Under Account Passwords, setup a password for the admin account.</li><li>- If the method of control is ethernet, under Server Access, enable Allow CLISH Over SSH.</li></ul> <p><b>Serial Connection Setup:</b></p> <ul style="list-style-type: none"><li>- Physically connect the Rs232 connection on the Screen Controller to a serial port on a Q-SYS device. Follow the Screen Controller instruction manual for guidance.</li><li>- In Q-SYS Designer, locate the serial port in the Inventory menu and drag it into the design.</li><li>- Logically connect the serial port output to the serial port input on the plugin.</li><li>- Start the design and enter the Username and Password of the admin account.</li><li>- The plugin will automatically connect.</li></ul> <p><b>Ethernet Connection Setup:</b></p> <ul style="list-style-type: none"><li>- Access the web interface of the Screen Controller by browsing to it's IP Address and select the Security tab.</li><li>- Under Server Access, enable Allow CLISH Over SSH.</li><li>- Start the design and enter the IP Address, Username, and Password of the admin account.</li><li>- The plugin will automatically connect.</li></ul>
<b>CRESTRON HARDWARE REQUIRED:</b>	<p>4-Series processor</p> <p>This module provides support for 4-series processors only.</p>

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<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 38400 Parity: N Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	
<b>VENDOR SETUP:</b>	

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## PARAMETERS:

<b>Connection Type</b>	Ethernet or RS232
<b>IPAddress</b>	The IpAddress of the Screen Controller. Used when connection type is set to Ethernet.
<b>Username</b>	The Username of the admin account used to login to the web UI. Default is 'admin'.
<b>Password</b>	The Password of the admin account used to login to the web UI.

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<b>CONTROL:</b>	
<b>RS232_Rx</b>	S Serial signal to be routed from a 2-way com port.
<b>IP Address</b>	S The IPAddress of the Screen Controller. Overrides the module parameter of the same name.
<b>Username</b>	S The Username of the Admin account. Overrides the module parameter of the same name.
<b>Password</b>	S The Password of the Admin account. Overrides the module parameter of the same name.
<b>Connect</b>	D Establishes communication with the device. Starts the initialization of the module for both connection types. The module attempts to reconnect if the communication is lost.
<b>Disconnect</b>	D Stops communication with the device.
<b>Debug</b>	D Set high to enable debug mode in the module. While enabled, verbose debug and error code output will be printed to the control processor console.
<b>Move Up</b>	D The attached screen moves up on the rising edge. The screen will continue to move until it has reached the upper limit (0d).
<b>Move Down</b>	D The attached screen moves down on the rising edge. The screen will continue to move until it has reached the lower limit (100d).
<b>Move Stop</b>	D The attached screen stops moving on the rising edge.
<b>Set Position</b>	A Set analog value to send the screen to a position. Valid values are 0d to 100d.
<b>Preset 1-2 Recall</b>	D The preset is recalled on the rising edge.
<b>Preset 1 -2 Store</b>	D The current screen position is stored to the preset on the rising edge.
<b>Reboot Controller</b>	D The screen controller will reboot on the rising edge.

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FEEDBACK:		
<b>RS232_Tx</b>	S	Serial signal to be routed to a 2-way com port.
<b>Is Communicating</b>	D	Indicates the module is communicating with the device when the signal is high, or not communicating when the signal is low.
<b>Is Initialized</b>	D	Indicates the module is synchronized with current device state when the signal is high, or not synchronized with current device state when the signal is low.
<b>Upper_Limit_Fb</b>	D	High when the reported position is 0.
<b>Lower_Limit_Fb</b>	D	High when the reported position is 100.
<b>Supports Position</b>	D	High when the device reports that position reporting is supported.
<b>Current_Position</b>	A	Integer value of the reported position. Valid values are 0d to 100d.
<b>System_Version</b>	S	The firmware versions reported by the device.
<b>MAC_Address</b>	S	The MAC Address reported by the device.
<b>Hostname</b>	S	The Hostame reported by the device.
<b>Wall_Switch_1_Connected</b>	D	High when the device reports that wall switch 1 is connected to the controller.
<b>Wall_Switch_2_Connected</b>	D	High when the device reports that wall switch 2 is connected to the controller.
<b>Screen_Connected</b>	D	High when the device reports that a screen is connected to the controller.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	CP4 v2.8003.00056
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.30
<b>CRES DB USED FOR TESTING:</b>	226.05
<b>DEVICE DATABASE:</b>	200.360
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	1207
<b>SAMPLE PROGRAM:</b>	Da-Lite Screen Controller v1.0 Demo.smw
<b>REVISION HISTORY:</b>	v1.0 – Initial Release