

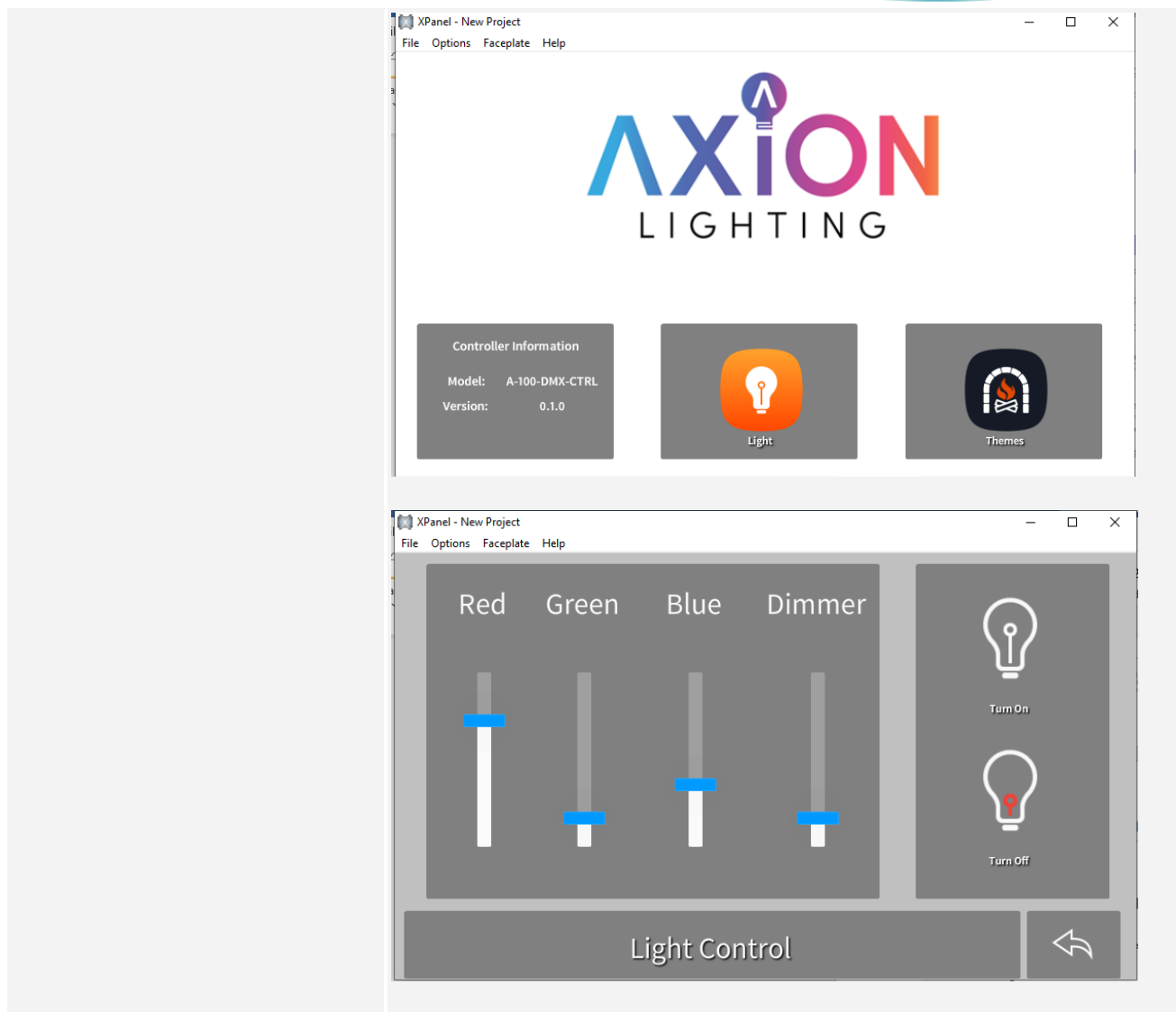
**Partner: Axion**  
**Model: DMX**  
**Device Type: Controller**



## GENERAL INFORMATION

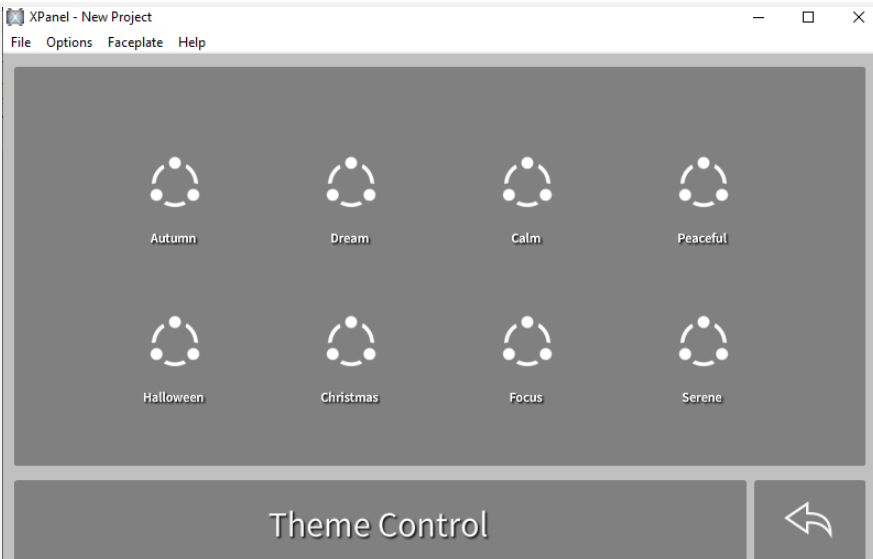
<b>SIMPLWINDOWS NAME:</b>	Axion DMX Lighting
<b>CATEGORY:</b>	Lighting
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	These modules integrate an Axion DMX Lighting Controller into a Crestron Control System via TCP/IP.
<b>GENERAL NOTES:</b>	<p>The Axion DMX Lighting Controller enables you to fully control a DMX512 system via IP without the complexity of traditional expensive counterparts. It also delivers a more reliable solution compared to standard consumer Wi-Fi enabled individual lighting options.</p> <p><b>Features</b></p> <ul style="list-style-type: none"><li>• Compatible with all DMX512 lighting loads, including devices like lasers and smoke machines</li><li>• Individually addressable, reliable wired bus supports exact timing and dimming</li><li>• Two-way feedback from the device.</li></ul> <p>A demo project is provided with a sample simpl windows program and vision tools ui that demonstrates how to configure and use these modules with the Axion DMX Lighting Controller. See screenshots below of sample ui.</p>

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<b>CRESTRON HARDWARE REQUIRED:</b>	2 or 3 series processor.
<b>SETUP OF CRESTRON HARDWARE:</b>	N/A
<b>VENDOR FIRMWARE:</b>	V1.0
<b>VENDOR SETUP:</b>	<p>Enter IP address of the controller in the "IP_Address" parameter field on the hub module.</p> <p>Enter the system password of the controller in the "password" parameter field on the hub module.</p> <p>Enter the poll interval at which the module polls the controller in the "poll interval" parameter field on the lightning module.</p>
<b>CABLE DIAGRAM:</b>	N/A

## CONTROL:

<b>CONNECT</b>	D	Set HIGH for module to initialize. Set LOW to disable module.
<b>DEBUG</b>	D	Set HIGH to enable debugging.
<b>MODE_WHITE</b>	D	Set HIGH to set the mode of the light module to white. This will only control the white channel. Only one of these may be set HIGH.
<b>MODE_RGB</b>	D	Set HIGH to set the mode of the light module to RGB. This will only control red, green, and blue channels. Only one of these may be set HIGH.
<b>MODE_RGBW</b>	D	Set HIGH to set the mode of the light module to RGBW. This will only control red, green, blue, and white channels. Only one of these may be set HIGH.
<b>TURN_ON</b>	D	Sets the light on for all associated channels in the configured mode.

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TURN_OFF	D	Sets the light off for all associated channels in the configured mode.
THEME_SET_<THEME>	D	Set HIGH to set the light to a randomized <theme> themed light color. Examples are autumn, dream, calm, peaceful, etc.
START_CHANNEL	A	Set to be start channel id for the light strip this module will be controlling. This can either be hardcoded at time of programming or set as a variable to dynamically change the start channel during runtime.
RED_SET_LEVEL	A	Sets the red channel level on the light.
GREEN_SET_LEVEL	A	Sets the green channel level on the light.
BLUE_SET_LEVEL	A	Sets the blue channel level on the light.
WHITE_SET_LEVEL	A	Sets the white channel level on the light.
DIMMER_SET_LEVEL	A	Dims the light using the current levels for all channels.
FROM_HUB	S	Communication path from the hub to the light module.
FROM_LIGHT	S	Communication path from the light to the hub module.

**FEEDBACK:**

MODEL_NUMBER	S	Displays the current model number for the hub.
FIRMWARE_VERSION	S	Displays the current firmware version for the hub.
RED_CURRENT_LEVEL	A	Holds the current level for the red channel.
GREEN_CURRENT_LEVEL	A	Holds the current level for the green channel.
BLUE_CURRENT_LEVEL	A	Holds the current level for the blue channel.
WHITE_CURRENT_LEVEL	A	Holds the current level for the white channel.
DIMMER_CURRENT_LEVEL	A	Holds the current level for the dim level for all channels.
TO_HUB	S	Communication path for messages from the light to the hub module.
TO_LIGHT	S	Communication path for messages from the hub to the light module.

**PARAMETER:**

device_ip\$	S	IP address of the controller.
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system_password\$	S	System password for the controller.
poll_interval	A	Interval at which the module polls in seconds.

**TESTING:**

OPS USED FOR TESTING:	RMC3 1.501.2867.30341
SIMPL WINDOWS USED FOR TESTING:	4.11.06
DEVICE DB USED FOR TESTING:	102.05.001.00
CRES DB USED FOR TESTING:	77.00.003.00
SYMBOL LIBRARY USED FOR TESTING:	1082
SAMPLE PROGRAM:	Axion DMX Lighting Demo
REVISION HISTORY:	v1.0 Release