

**Partner: Lutron**  
**Model: HomeWorks QSX**  
**Device Type: Lighting**



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Lutron HomeWorks QSX Command Processor v1.3
<b>CATEGORY:</b>	Lighting, HVAC, Shades
<b>VERSION:</b>	1.3
<b>SUMMARY:</b>	This module controls IP communication with the Lutron HomeWorks QSX processor.  This module acts as the primary communication interface to a single Lutron processor. If multiple Lutron processors are required, one command processor module for each Lutron processor can be added to the solution.
<b>GENERAL NOTES:</b>	<b>IMPORTANT:</b> A username and password must be set on your QSX processor. To do this in the Lutron Designer software's toolbar, navigate to Tools > Configure Integration > Integration Logins. Once you're in that window, press the 'Add Integration Login' button. From here you will be able to properly set credentials on your QSX processor.
<b>CRESTRON HARDWARE REQUIRED:</b>	Crestron 3-Series or 4-Series processor.
<b>SETUP OF CRESTRON HARDWARE:</b>	N/A
<b>VENDOR FIRMWARE:</b>	23.08.14f000
<b>VENDOR SETUP:</b>	Lutron HomeWorks QSX Processor

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**PARAMETER:**

<b>Command_Processor_ID</b>	Setting indicates the unique identifier of the command processor module. A single program can contain multiple command processor modules where multiple Lutron processors are involved. Each command processor module must have a unique ID.
<b>IP_Address</b>	Setting indicates the default IP address of the Lutron processor used when the module initializes.
<b>Username</b>	Setting indicates the username credential for authenticating to the Lutron QSX processor.
<b>Password</b>	Setting indicates the password credential for authenticating to the Lutron QSX processor.

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**CONTROL:**

<b>Connect</b>	D	Pulse to establish communication with the Lutron processor and start the module "heartbeat" which is used to maintain communication with the Lutron processor by periodically sending ping requests to confirm the Lutron processor is still communicating with the control system.
<b>Disconnect</b>	D	Pulse to break communication with the Lutron processor and stop the module "heartbeat".
<b>Debug</b>	D	Latch high to enable extended debug output that will be printed to the Toolbox Console.
<b>IP_Address</b>	S	Set a new string value to change the working IP address of the module. Setting a new IP address forces the module to reinitialize. The string format must be: "X.X.X.X".

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**FEEDBACK:**

<b>Is_Communicating</b>	D	High indicates that communication has been established with the Lutron processor. Once communication has been established, the module will start sending periodic heartbeats to the device.
<b>Is_Initialized</b>	D	High indicates the module is initialized. The command processor is only initialized when all modules registered to the command processor module are also initialized.

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## TESTING:

<b>OPS USED FOR TESTING:</b>	CP3 1.603.4242.34642 CP4 2.8000.00017
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.22
<b>CRES DB USED FOR TESTING:</b>	217.05
<b>DEVICE DATABASE:</b>	200.260
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	1184
<b>SAMPLE PROGRAM:</b>	Lutron HomeWorks QSX v1.3 Demo IP.smw
<b>REVISION HISTORY:</b>	v1.0 – Initial Release v1.1 – No changes have been made v1.2 – Added Single Setpoint HVAC, Dual Setpoint HVAC, DALI CCT Zone, and Open Clos Stop control components. V1.3 – Corrected for TCP callback errors; added auto-reconnect logic; added Third-Party HVAC component; added keypad component; added Lumaris component