

**Partner: Lutron**  
**Model: MyRoom XC**  
**Device Type: Lighting**



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Lutron MyRoom XC Command Processor v1.0
<b>CATEGORY:</b>	Lighting, HVAC, Shades
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module controls IP communication with the Lutron MyRoom XC processor.
<b>GENERAL NOTES:</b>	<p>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.</p> <p><b>IMPORTANT:</b> The Crestron processor must be paired with the Lutron processor before a communication connection can be made. Please refer to the Lutron myRoom XC Pairing Service v1.0 Help document for instructions on pairing.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	Crestron 4-Series processor with a least 2 program slots
<b>SETUP OF CRESTRON HARDWARE:</b>	See GENERAL NOTES above.
<b>VENDOR FIRMWARE:</b>	24.02.17f000
<b>VENDOR SETUP:</b>	See GENERAL NOTES above.

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**PARAMETER:****Command\_Processor\_ID**

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.

**IP\_Address**

Setting indicates the default IP address of the Lutron processor used when the module initializes.

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**CONTROL:**

<b>Connect</b>	D	Pulse to establish communication with the Lutron processor.
<b>Disconnect</b>	D	Pulse to break communication with the Lutron processor.
<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".
<b>Pairing_Start</b>	D	Pulse to start the pairing process.
<b>Pairing_Stop</b>	D	Pulse to stop the pairing process before it is complete.

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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.
<b>Pairing_Is_Paired</b>	D	High indicates that the processor is paired with the Lutron processor.
<b>Pairing_Press_Button</b>	D	High indicates that the pairing process is waiting for the pairing button to be pressed on the Lutron processor.
<b>Pairing_Progress</b>	S	<p>Serial output of pairing process progress.</p> <p>Pairing steps:</p> <ol style="list-style-type: none"> <li>1. Starting</li> <li>2. GettingLapCert</li> <li>3. InstantiatingLapClient</li> <li>4. GeneratingLeapKeyPair,</li> <li>5. GeneratingLeapCSR</li> <li>6. InitiatingLapConnection</li> <li>7. TestingLapConnection</li> <li>8. RequestingUserToPressButton</li> <li>9. GettingLeapRootCert</li> <li>10. SendingCsrRequest</li> <li>11. StoringLeapRootCert</li> <li>12. StoringLeapIntermediateCert</li> <li>13. StoringLeapSignedCert</li> <li>14. StoringLeapPrivateKey</li> <li>15. Completed</li> </ol> <p>Pairing process did not complete:</p> <ul style="list-style-type: none"> <li>• ManualStop - the Stop_Pairing input was pressed.</li> <li>• Failed - the pairing process did not complete, see GENERAL NOTES above.</li> </ul>

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	CP4 2.8003.00056
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.30
<b>CRES DB USED FOR TESTING:</b>	225.05
<b>DEVICE DATABASE:</b>	200.350
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	1205
<b>SAMPLE PROGRAM:</b>	Lutron MyRoom XC v1.0 Demo IP.smw
<b>REVISION HISTORY:</b>	v1.0 – Initial Release