

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



## Lutron Leap Pairing Service

A compiled SIMPL# Pro program is provided with the *Lutron myRoom XC* module suite for the sole purpose of “pairing” the Crestron processor with the Lutron processor. The pairing process only needs to be done once for each Lutron processor that is being controlled. The processors remain paired until one of the processors is restored to factory defaults.

### Before Pairing:

1. Create a program that has at least one *Lutron myRoom XC Command Processor* module with the pairing signals defined or use the Demo program. Set the IPAddress on the *Command Processor* module to the IPAddress of the Lutron Processor.
2. Compile and load your program to a slot of the Crestron processor.
3. Load the program file named *LutronLeap.Pairing.Service.cpz* to another slot of the Crestron processor.
4. Verify that the Crestron processor can ping the IPAddress entered in the *Lutron myRoom XC Command Processor* module.
5. Verify that the required security certificate(s) is stored on the processor. See the *Security Certificates* section below for details.
6. Verify that someone is near the Lutron processor to press the pairing button.

### Pairing:

#### *Using Crestron Debugger:*

1. Pulse the Pairing\_Start signal on the *Lutron myRoom XC Command Processor* module.
2. Watch the state of the Pairing\_Progress and Pairing\_Press\_Button signals.
3. When Pairing\_Press\_Button digital is high, physically press the pairing button on the Lutron processor.
4. Watch state of the Pairing\_Progress and Pairing\_Is\_Paired signals.
5. When Pairing\_Is\_Paired digital is high, the processors are paired and the *Command Processor* is ready to connect.

#### *Using the Demo XPanel:*

1. Select the PAIR button to bring up the Pairing screen.
2. Press START PAIRING.
3. When you see the PRESS BUTTON notice, press the button.
4. When you see the PROCESSORS ARE PAIRED notice, you can close the pairing screen and connect.

If the pairing process fails, refer to the *Troubleshooting* section below.

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**Best Practices:**

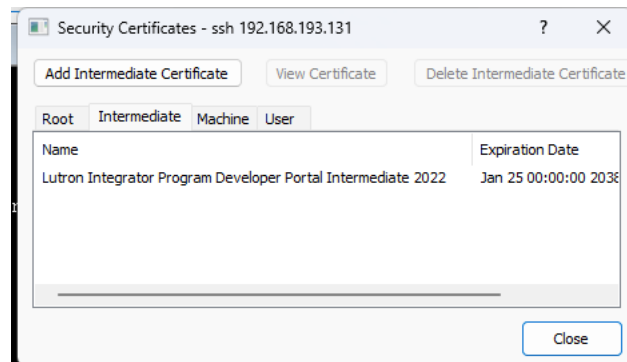
- Make sure Is\_Paired signal is high before connecting.
- There can only be one Crestron processor to Lutron processor connection.
- Do not tie Connect to the Is\_Paired digital
- Do not attempt to pair multiple processors at the same time.
- You can remove the pairing program from the processor after pairing is complete.

**Troubleshooting:**

- Verify IPAddress entered in the Command Processor is valid.
- Verify the Lutron Processor is online.
- Verify that Crestron Processor can ping the Lutron processor.
- Verify that the security certificate is stored on the processor. See *Security Certificates* below.

**Security Certificates:***Crestron 4-Series processor*

- Connect to the processor in Toolbox.
- Choose Functions, Security Certificates.
- Under the *Intermediate* tab, verify that the Lutron Integrator certificate is listed like the example below.



- If the certificate is not listed, press the *Add Intermediate Certificate* button and load the lap\_lutron\_intermediate.pem file. Switch to the *Root* tab, *Add Root Certificate* and load the lap\_lutron\_root.crt file.

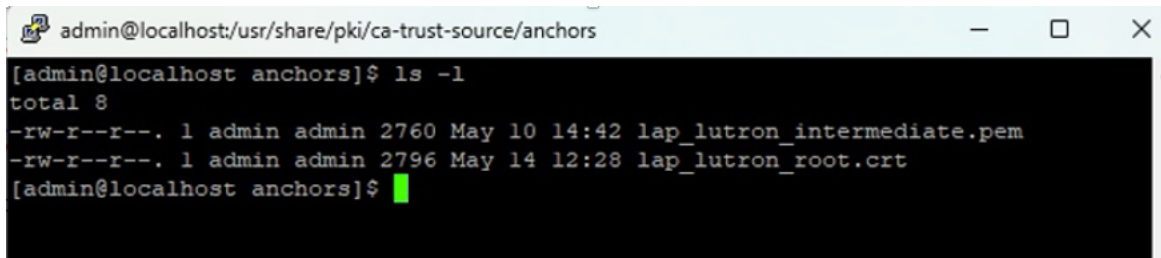
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### *VC4 Server*

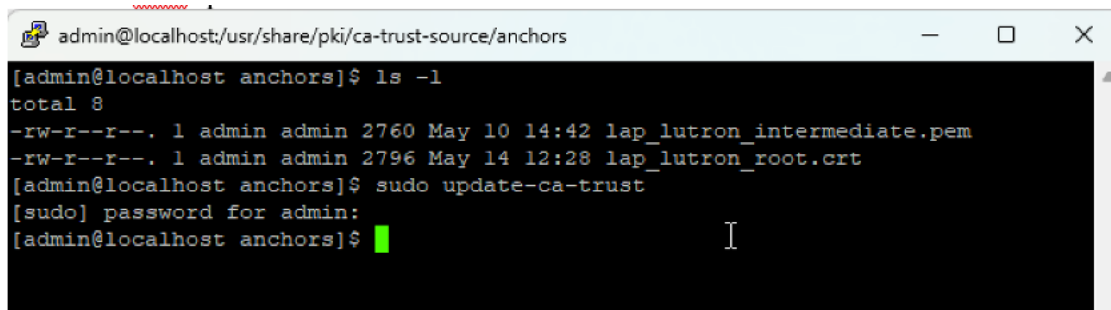
*Manually add the required certificates to the server.*

1. Add the 2 certificate files to "/usr/share/pki/ca-trust-source/anchors"
  - lap\_lutron\_root.crt
  - lap\_lutron\_intermediate.pem



```
admin@localhost:/usr/share/pki/ca-trust-source/anchors
[admin@localhost anchors]$ ls -l
total 8
-rw-r--r--. 1 admin admin 2760 May 10 14:42 lap_lutron_intermediate.pem
-rw-r--r--. 1 admin admin 2796 May 14 12:28 lap_lutron_root.crt
[admin@localhost anchors]$
```

2. Run "sudo update-ca-trust"



```
admin@localhost:/usr/share/pki/ca-trust-source/anchors
[admin@localhost anchors]$ ls -l
total 8
-rw-r--r--. 1 admin admin 2760 May 10 14:42 lap_lutron_intermediate.pem
-rw-r--r--. 1 admin admin 2796 May 14 12:28 lap_lutron_root.crt
[admin@localhost anchors]$ sudo update-ca-trust
[sudo] password for admin:
[admin@localhost anchors]$
```