

Lutron® LEAP Advanced Integration Bridge - Deployment Guide

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Document Supports: da Vinci 10.1.2 and higher

This document guides the installer through deployment of the Lutron LEAP Advanced Integration Bridge with a Savant® Pro system, including physical installation, configuration, and RacePoint Blueprint™ programming.

Products supported by this guide include:

- Lutron LEAP Advanced Integration Bridge [LCB-LEINT-xx]

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1. Before You Begin

Read this document in its entirety before starting deployment of the product, and ensure that the following required items are available:

- Lutron Leap Advanced Integration Bridge.....
 - Fully deployed Lutron system
 - Savant Host; licensed and running da Vinci software
 - Savant Development Environment (SDE/MacBook).....
- See the table below for minimum supported release.

 **IMPORTANT!** Device firmware updates require a valid Internet connection to be downloaded to the Host.

Supported Release

Device	Supported Release
LCB-LEINT-00	da Vinci 10.0 and Higher

Group/Entity Limit	Host type
800	Super Pro Host
500	Pro Host
96	SHR-2000
64	SHR-S2 and Integrated Host products

Lutron Controller	Minimum Firmware	Supported Release
HomeWorks QSX	21.01.13f000	da Vinci 10.0 and higher
RadioRA 3	22.04.11f000	da Vinci 10.1.2 and higher

NOTE: Included toward maximum supported lighting and shade limits for Host type. See relevant da Vinci Release ReadMe for more details on Host feature support

 **IMPORTANT!**

- The **group or entity limit** is a hard system limit. Blueprint will not allow more than the number shown in the table above to be added to a configuration. This is a combined limit includes lighting loads, shades, groups, and stations.
- HomeWorks projects with multiple processors require a single Leap connection. A maximum of 5 QSX controllers can be daisy chained together for one Lutron project.
- One Lutron Leap controller supports one processor. (QSX or RA3)

2. Deployment Steps

Follow these steps to successfully deploy a Lutron Leap Advanced Integration Bridge. This page can be used as a checklist to record which steps have been completed.

- Review product specifications and connection details
See the device's Quick Reference Guide on the [Savant Customer Community](#).
- Configure the Lutron Leap Advanced Integration Bridge
- Add the Lutron Leap Advanced Integration Bridge to Blueprint
- Import load data
- Configure Blueprint Lighting Data table

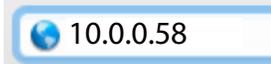
3. Bridge Configuration

Follow these steps to configure a Lutron Leap Advanced Integration Bridge for lighting, shade and fan control.

NOTE: Only roller shades and horizontal sheer shades are supported.

3.1. Login

To connect to the bridge, open a web browser and navigate to the IP address of the Lutron Leap Bridge. (e.g., http://10.0.0.58)



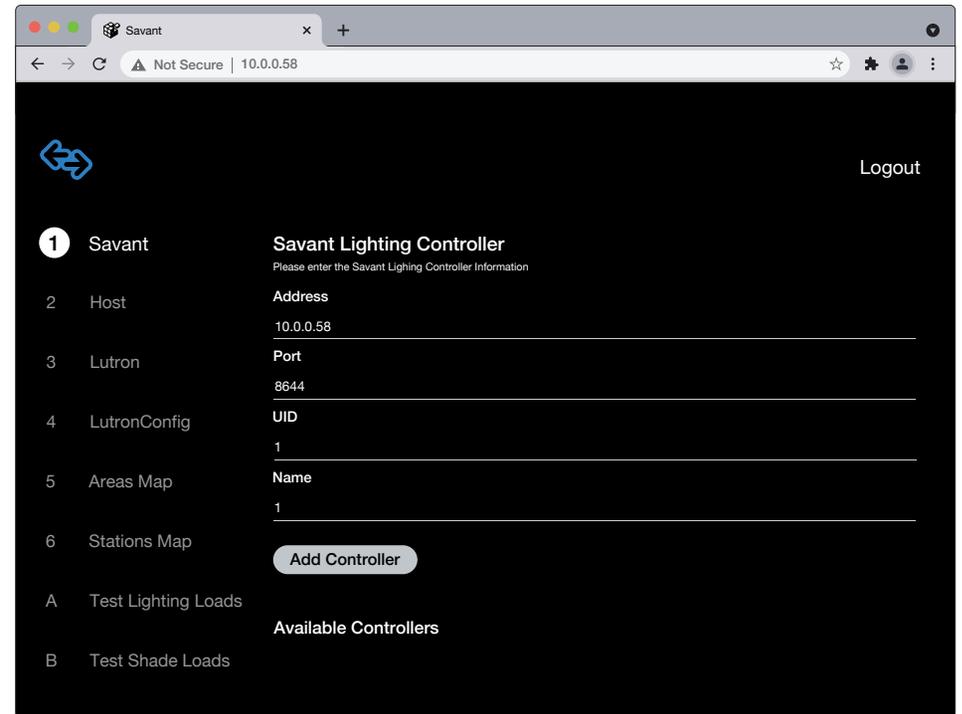
3.2. Add Lighting Controller

While logged into the Leap Advanced Integration Bridge, navigate to the Savant tab and review the fields below. If there are multiple LEAP Bridges, the UIDs of the controllers will need to be filled out on this tab.

1. Review the following fields.
 - Address
 - Port
 - UID
 - Name

NOTE: In the da Vinci 10.0 release these cannot be changed.

2. Click Add Controller.
3. Once available click Connect.



3.3. Select Host

The UI will display all Savant Hosts that are on the network that meet the minimum da Vinci version.

1. Scroll through the list to find desired Host.
2. Click Select.

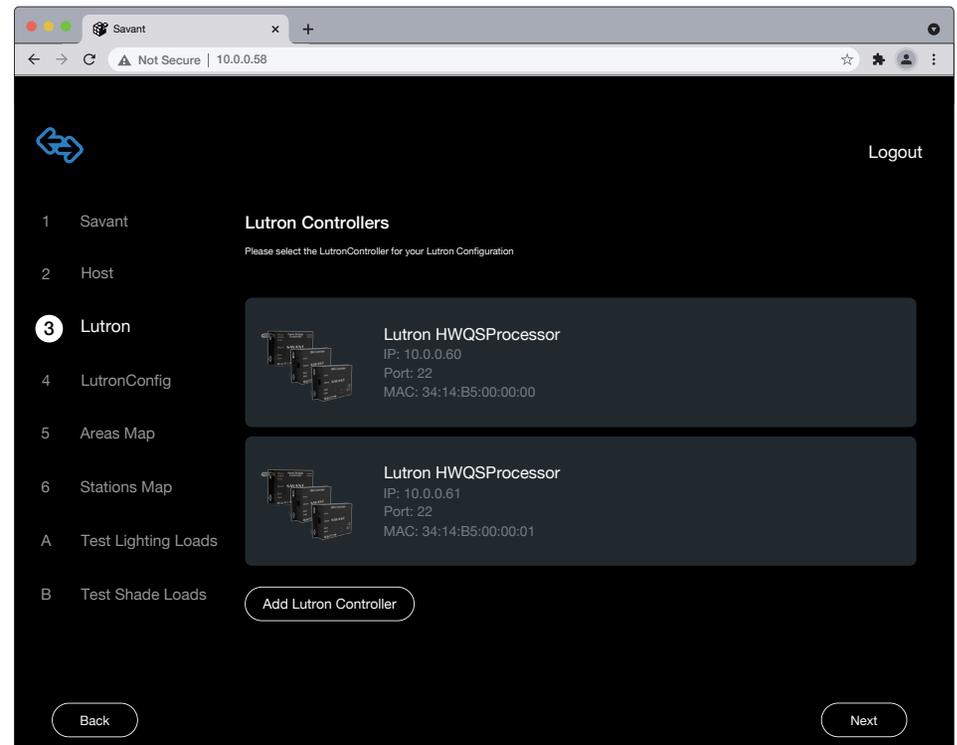


3.4. Add Lutron Controller

Locate the MAC address of the Lutron Controller to proceed.

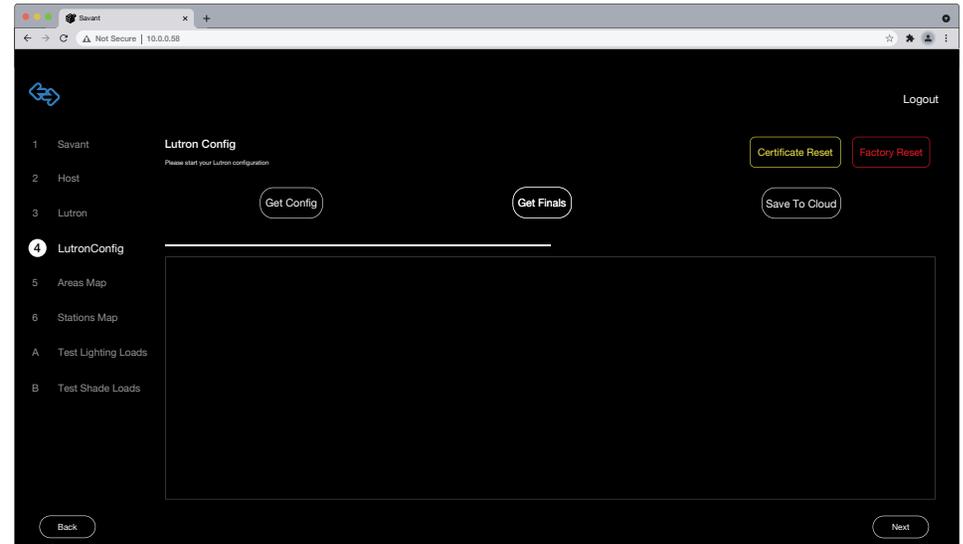
1. Find the Lutron controller in the list of devices found on the network.
2. Click OK.
3. When prompted press the yellow button on the Lutron controller (located near the power source connection).
4. A third prompt will appear when the connection is established. Click OK.
5. Click Next.

NOTE: Only one processor may be selected at a time. However the configs are pulled from ALL processors in a Lutron LEAP project.



3.5. Obtaining Lutron Configuration

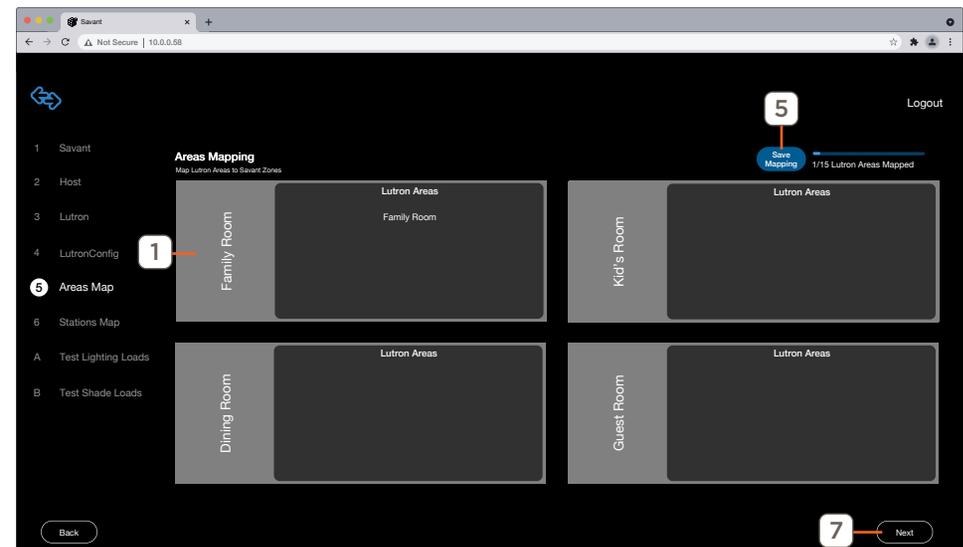
1. Within the LutronConfig menu, click Get Config.
2. Click Full. Wait for this to complete.
NOTE: For a large Lutron configuration this can take a few minutes.
3. Once complete Click OK.
4. Click Save To Cloud.
5. Click Next.



3.6. Areas Mapping

In the Areas Mapping screen, all Savant Zones will populate. The names of the Savant Zones must be mapped to the Lutron areas.

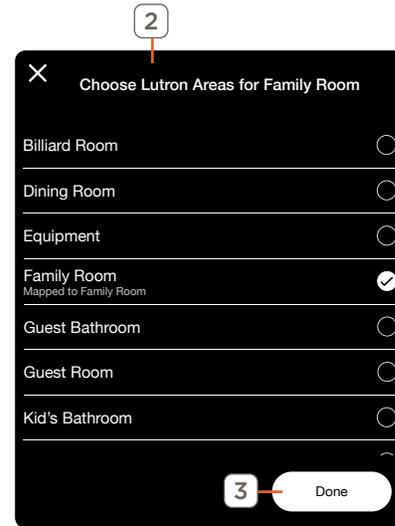
1. Select a Savant Zone. A popover will appear.
2. Select the Lutron Area(s) desired to map to the selected Savant Zone.
3. Click Done.
4. Repeat steps 2 and 3 for each Savant Zone that has Lutron Lighting.
5. Click **Save Mapping**. Wait for this to complete. A dialog box will appear when done.
6. Click **Done**.
7. Click Next.



3.7. Stations Mapping (Optional)

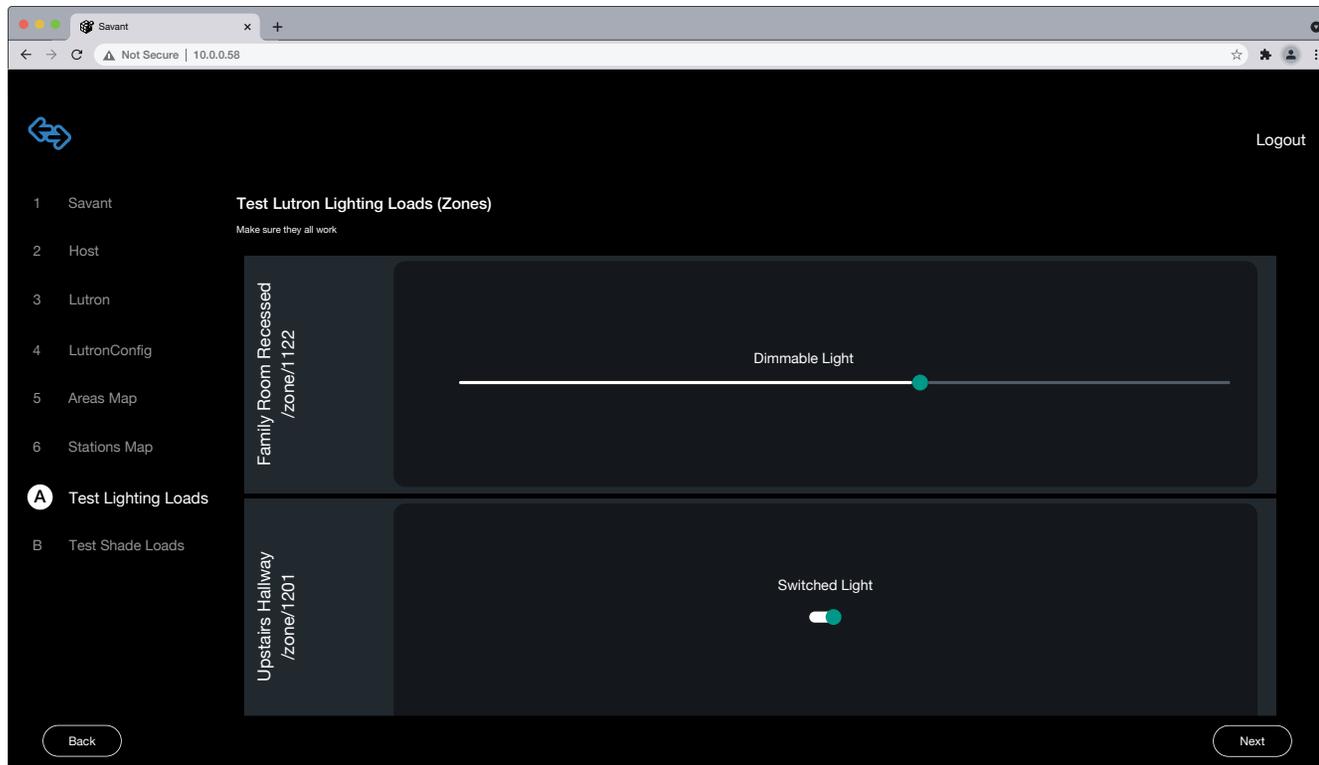
Station Mapping allows Savant Scenes, Workflows and Commands to be mapped to Lutron Keypad Buttons.

1. Similar to Area Mapping, select the Lutron Station to map Savant Zones.
2. Choose the Keypad and select **Done**.
3. Select **Map Station Buttons** to configure Savant Actions to a specific button on the Keypad.
4. Repeat as needed for each button.
5. Select **Save Mapping** when finished.



3.8. Load Testing

Savant recommends load testing with in the Web UI of the Leap Bridge at this point. Controlling loads in this window sends commands with the same protocol as the Savant Host. Useful for troubleshooting issues.



4. Blueprint

This section is an overview of the process to import the above saved data into a Blueprint Configuration.

1. Open the Blueprint configuration to be programmed.

2. Click **Manage Lighting and Shades**.
Or **Tools > Savant Lighting and Shades**.

3. Click the Expansion icon.

4. Click Discover and wait for the discovery process to complete.

5. Click Stop Discovery.

6. Select the Lutron Leap Bridge.

7. Click Bind.

8. With the Lutron Leap Bridge click Connect.

9. Select Start Scan to import the saved data from the Lutron Leap Bridge.

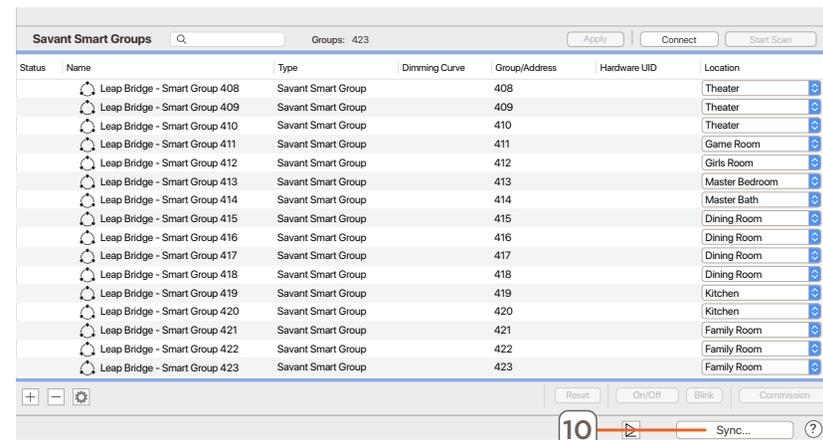
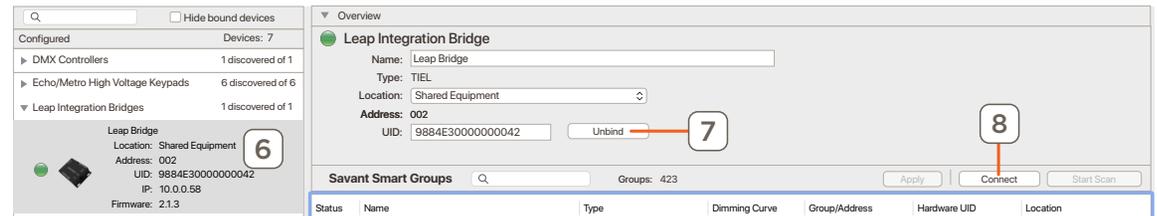
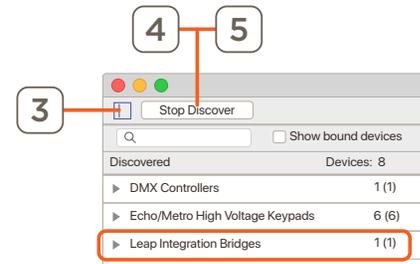
10. In the bottom-right corner click Sync.

11. Click Done.

12. Make any desired changes to the data table.

13. Generate Services.

14. Save and Upload to Host.



For more detailed information on using the Lighting and Shade device manager see the [Savant Lighting and Keypad Programming Guide](#) on the [Savant Customer Community](#).

Appendix: Network Requirements

Savant requires the use of business class/commercial grade network equipment throughout the network to ensure the reliability of communication between devices. These higher quality components also allow for more accurate troubleshooting when needed.

Device Network Connections

Connect all Savant devices to the same local area network (LAN) or subnet as the Host. Savant recommends not implementing any type of traffic or packet shaping in your network topology for the Savant devices as this may interfere with performance.

Managing IP Addresses

To ensure that the IP Address will not change due to a power outage, a static IP Address or DHCP reservation should be configured. Savant recommends using DHCP reservation within the router. By using this method, static IP Addresses for all devices can be managed from a single UI avoiding the need to access devices individually. Setting DHCP reservation varies from router to router. Refer to the documentation for the router to configure DHCP reservation.

Network Changes

Savant recommends performing one of the following steps to refresh the IP connection after connecting to a new network, changing routers, or if the IP Address range is changed in the current router. This will reset any IP connection and ensure that the Host is communicating with the network correctly.

To refresh the IP Connection, perform one of the following steps:

- **Unplug/Plug Ethernet Connection**
 1. Unplug Ethernet cable.
 2. Wait 15 seconds.
 3. Re-insert Ethernet cable back into Ethernet port.
- **Cycle Power**
 1. Disconnect the controller from the AC power source.
 2. Wait 15 seconds.
 3. Reconnect.
- **Reset Button**
 1. Press and release the reset button. The system will reset and IP Address settings will be cleared.

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