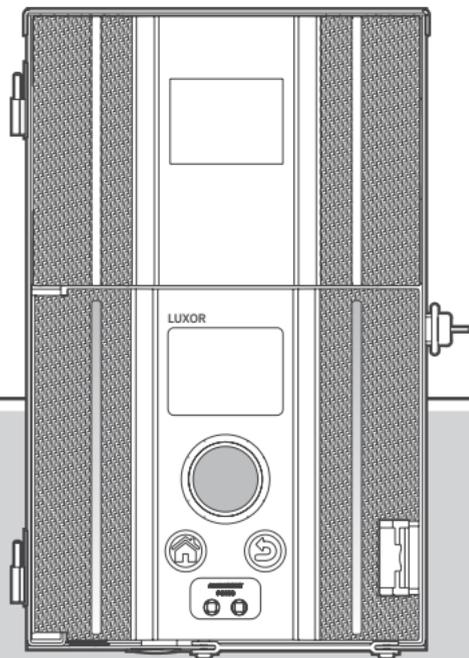


Luxor[®] Lutron OSX

Integration Guide

for Luxor Controllers with ZD Technology[®] and ZDC Technology[®]

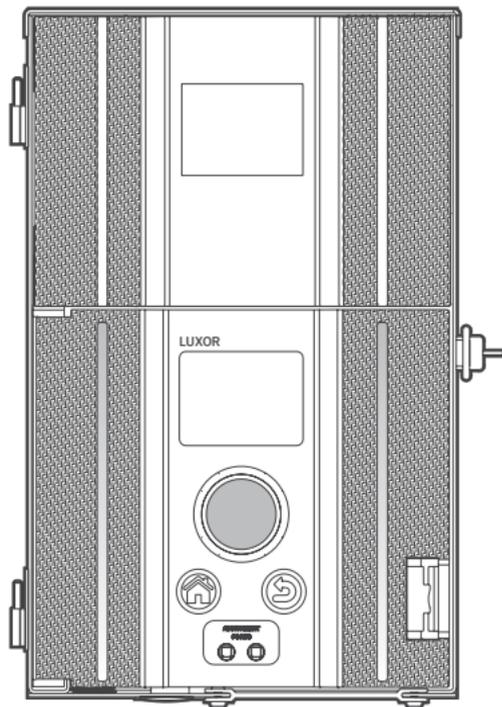


Owner's Manual

Lighting Accessories by FX Luminaire

Table of Contents

- 3 System Requirements**
- 3 Getting Started**
- 5 Adding Devices**
- 8 Link Assignments**
- 9 Integration IDs**
- 10 Program Keypads**
- 11 Transfer Project**
- 12 Luxor Controller Configuration**
- 16 Removing Certificates**
- 17 Troubleshooting**



System Requirements

Lutron HomeWorks QS Requirements

Software: Homeworks QS

HomeWorks 16.0+ is compatible with HQP7-x processors. There is no compatibility with HQP6 processors, which are used for the TELNET version of Luxor Lutron integration.

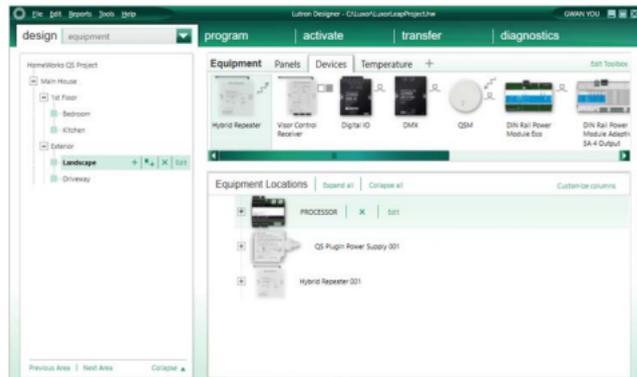


Figure 1

Getting Started

Creating a Project

1. Open project in HomeWorks QSX.
2. Click on the Activate tab (Figure 1).
3. Select “processors” (Figure 2).
4. Uncheck DHCP.
5. Record the processor IP address.

The IP address will be entered into the Luxor Controller later if you don't want to use the automatic Lutron server IP address.

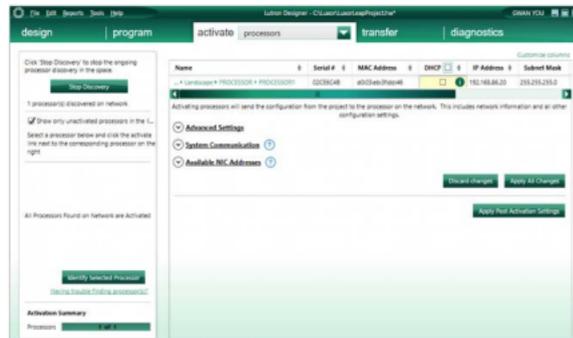
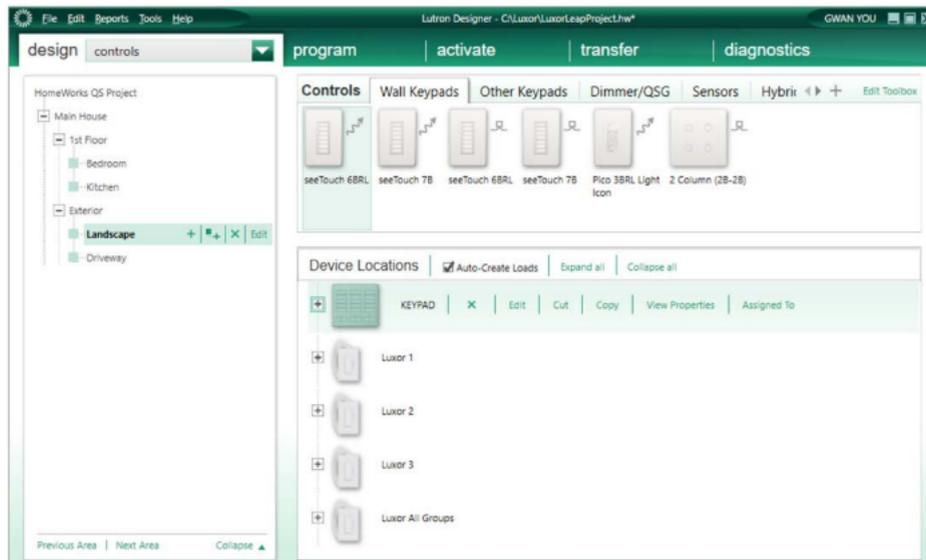


Figure 2

Getting Started

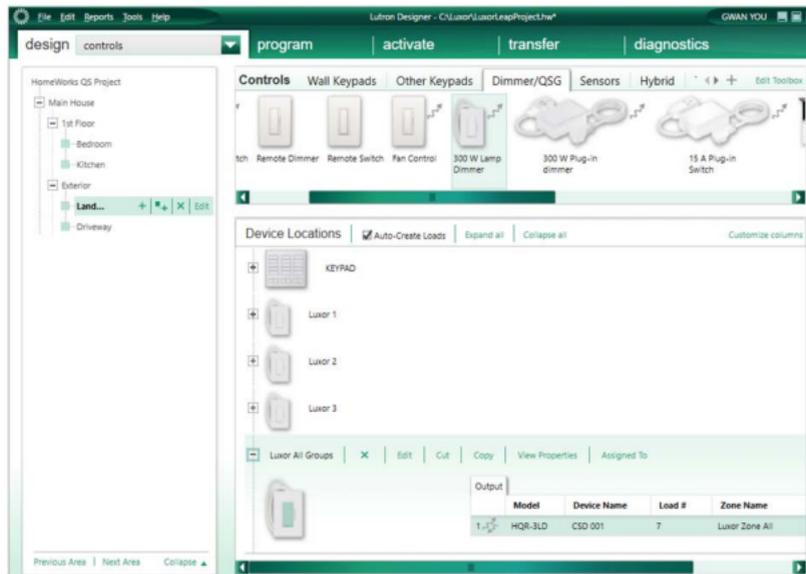
6. In the Design tab, select Controls from the drop-down box.
7. Press “+” next to Exterior to add the location.



Note: The location name should correspond to the location of the Luxor Controller (e.g., front yard, backyard, etc.).

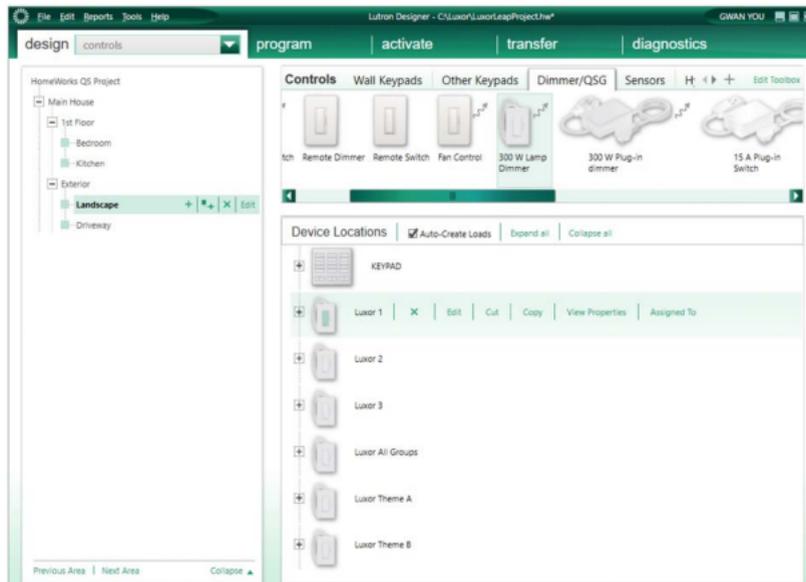
Adding Devices

1. In the Controls section, select the Dimmer/QSG tab.
2. Click “+” to add the HQR-3LD 300W Lamp Dimmer.
3. Enter “Luxor All Groups” in the Device Location field.
4. Enter “Luxor Zone All” in the Name field.
5. Click “Done.”



Adding Devices

6. Press “+” button to add another HQR-3LD 300W Lamp Dimmer.
7. Enter “Luxor1” in the Device Location field.
8. Enter “Luxor Zone 01” in the Zone Name field.
9. Click “Done.” There should now be a device called Luxor 1.

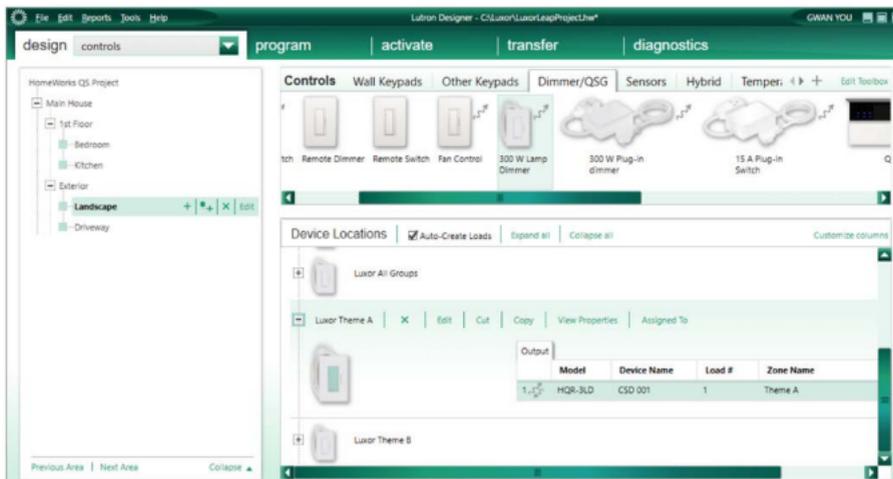


Adding Devices

10. Press “+” button to add another
11. Enter “Luxor Theme A” in the Device Location field.
12. Enter “Theme A” in the Zone Name field.

Repeat steps 6–12 until a device has been added for all available Luxor Groups and Themes.

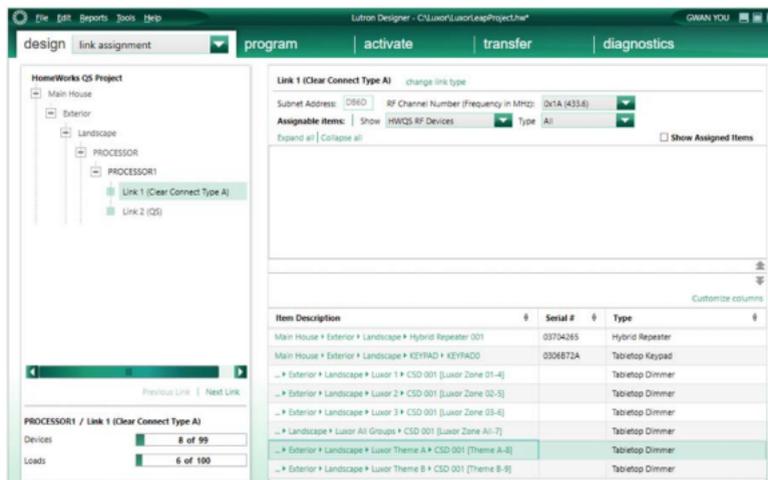
In this example, there are three Luxor groups, Luxor All Groups, and two Luxor Themes in the area.



Link Assignments

1. Confirm all Luxor groups have been added as a device.
2. In the Design tab, select “link assignment” from the drop-down box.
3. Assign the link to Luxor Group devices.

In the example below, the Luxor Groups and Themes have been assigned to Link 1.



Integration IDs

Each device should have unique Integration ID.
To see the Integration IDs:

1. In the software menu bar, click on Reports.
2. Then click on Integration.

Integration Report shows all Integration IDs in the column.

Luxor Zone 01: 1455

Luxor Zone 02: 1485

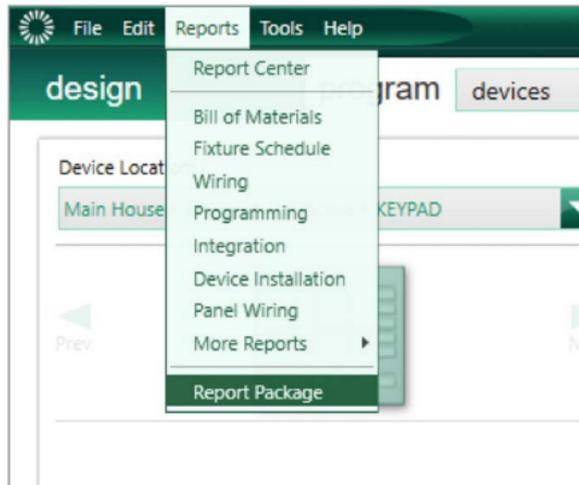
Luxor Zone 03: 1534

Luxor Zone All: 1564

Theme A: 1831

Theme B: 1861

These Integration IDs must be registered to a Luxor Controller so the controller can use them for Luxor Group and Theme numbers.



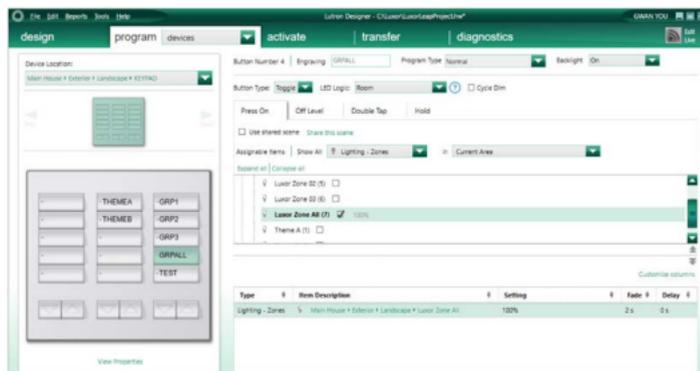
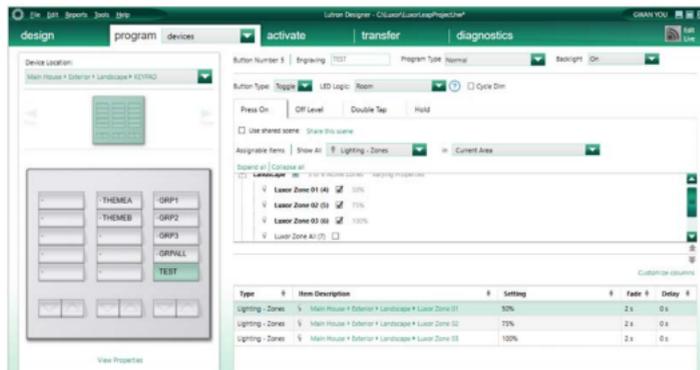
Integration Report	
Zone Name	href
Main House/Exterior/Landscape/Luxor Zone 01	(Zone)1455
Main House/Exterior/Landscape/Luxor Zone 02	(Zone)1485
Main House/Exterior/Landscape/Luxor Zone 03	(Zone)1534
Main House/Exterior/Landscape/Luxor Zone All	(Zone)1564
Main House/Exterior/Landscape/Theme A	(Zone)1831
Main House/Exterior/Landscape/Theme B	(Zone)1861
Area Name	href
Main House/1st Floor/Bedroom	(Area)1634
Main House/1st Floor/Kitchen	(Area)1640
Main House/Exterior/Landscape	(Area)26
Main House/Exterior/Driveway	(Area)1706

Program Keypads

1. From the Program tab, select Keypad to control Luxor Groups and Themes.
2. Select the location where the Luxor devices are located (Main House>Exterior>Landscape in the example).
3. Select the Keypad button.
4. Select the desired Luxor Group or Theme to be activated.
5. Set the dimmer Level (for Themes, any level above 0% will turn on that Theme and a level set to 0% will turn off that Theme).

Repeat steps 3–5 until all Luxor Groups have been assigned to the Keypad.

Note: Default levels remain unchanged for Fade and Delay. Do not activate the Luxor Group or Theme placeholder devices. If there are Lutron devices that need to be activated, activate them in the activate tab in the HomeWorks software. Ignore any messages about activating Luxor Groups or Themes.



Transfer Project

1. In the Transfer tab, click the “Start Transfer” button (see note).
2. Wait until the transfer is complete.
3. Next, configure the Luxor Controller (refer to pages 13–14).

Note: Ignore any warnings about “Main House\Exterior\Landscape\Luxor1 >> Device not addressed.” Luxor Group devices do not need to be activated since they are placeholders. They will still turn on through the Luxor Controller.

If additional Luxor Groups and devices are added in the future, the project must be re-transferred.



Luxor Controller Configuration

1. From the Luxor home screen, select “Setup.”
2. Select Wi-Fi or LAN.
3. Confirm Luxor is connected to same router as Lutron system.
4. Select Integration.



Luxor Controller Configuration

5. On the Lutron Setup screen, check Lutron Protocol to “LEAP.”

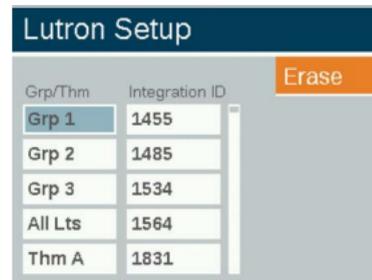
The Luxor Controller will try to search for the Lutron controller’s IP address automatically by using mDNS multicast internet protocol if “Auto” is checked in the Lutron Setup screen.

Note: In the Lutron Setup screen, uncheck “Auto” and then type the Lutron IP address that was recorded for the HomeWorks software (192.168.86.20 from the example project) if Luxor can’t automatically find Lutron controller IP address.



Luxor Controller Configuration

6. On Lutron Setup screen, select “ID Assign” button.
7. Type in all the integration IDs with the group number or the theme number according to the list in HomeWorks integration report. Verify the router connection.



The screenshot shows the 'Lutron Setup' interface. It features a table with two columns: 'Grp/Thm' and 'Integration ID'. The table contains five rows of data. To the right of the table is a vertical scrollbar. In the top right corner of the interface is an orange button labeled 'Erase'.

Grp/Thm	Integration ID
Grp 1	1455
Grp 2	1485
Grp 3	1534
All Lts	1564
Thm A	1831

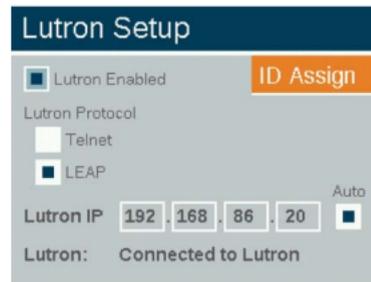
Luxor Controller Configuration

- Press back arrow to return to Lutron Setup screen.
- Check “Lutron Enabled” button.
- Confirm “Connected to Lutron.”

Note: If you can see “Press Pairing Button” in Lutron Setup screen, Luxor found IP address of Luxor found the IP address of the Lutron controller and is waiting for certificate download, which will be generated by the Lutron controller for the Luxor Controller.



As indicated in the example below, you can press a button (denoted by the red circle in the picture) on the Lutron processor to go to the pairing procedure. Luxor will then receive the certificates from the Lutron controller and save them to its internal flash memory.

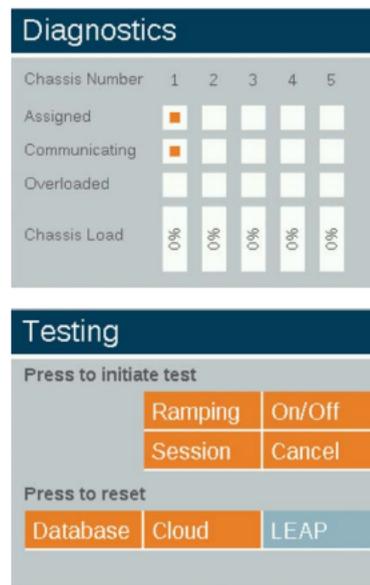


Note: If the Luxor Controller finds the Lutron controller’s IP address, the Luxor Controller will request the Lutron controller to generate certificates for the Luxor Controller if it doesn’t have the LEAP certificates.

Removing Certificates

To delete the current certificates and restart pairing for any reason, such as a change in network setup or a new controller, follow these steps:

1. Press the “HOME” and “BACK” buttons on the Luxor Controller simultaneously. The diagnostics screen should now be visible.
2. Press down on Luxor Controller scroll wheel. Confirm that the “Testing” screen appears.
3. Select the “LEAP” button to delete the current Lutron LEAP certificates.



Troubleshooting

Connection Error

If the Luxor Controller fails to connect, verify the Lutron IP address is correct.

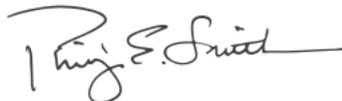
Notes

Notes

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Our mission is to create the most energy-efficient lighting products in the world while maintaining the highest level of quality and reliability. In every instance we will back our innovations with the unwavering support our customers need to succeed.

A handwritten signature in black ink, appearing to read "Gene Smith". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Gene Smith, President, Landscape Irrigation and Outdoor Lighting

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