LUTRON

Integrating Apple® HomeKit™ with RadioRA2 and HomeWorks QS

1.0   Overview

A Lutron Connect Bridge with HomeKit compatibility can now activate zones, shades and HomeKit scenes through voice commands.

1.1   Controlling Zones through Voice Commands

Any lighting or shade zone in the system can be added to voice control through the Lutron Connect App. Voice commands are based on individual zones defined in the Lutron Connect app or through HomeKit scenes defined in the Apple Home app. Every zone added to voice control will be provided a Siri Name. By default, the Siri Name will be the lighting zone or shade name as defined in the Lutron programming software. Scenes allow you to control multiple lighting and shades zones at the same time and are created using the Apple Home app.

1.2   Quick Start

1. Add a Lutron Connect Bridge with HomeKit capabilities and activate it to the system
2. Open the Lutron Connect app and click on the settings icon
3. Tap HomeKit & Siri and select Begin Setup
4. Select the system to be added and tap Next
5. Scan the HomeKit accessory setup code (found on the bottom of the Lutron Connect Bridge)
6. Select the rooms that have zones that are to be controlled
7. Either keep the zone names or change the Siri Name if desired

Important Note:

To use HomeKit a Lutron Connect Bridge version 2 (CONNECT-BDG2) must be used in order to integrate with HomeKit The HomeKit accessory setup code is found on the bottom of the Lutron Connect Bridge.

Refer to section 3.3 for information regarding Lutron Connect Bridge version 1 being replaced by version 2.

Contents

2.0   System Requirements

2.1   Hardware and Software Requirements

The table below highlights the necessary hardware and software for integration of HomeKit with RadioRA 2 and HomeWorks QS.
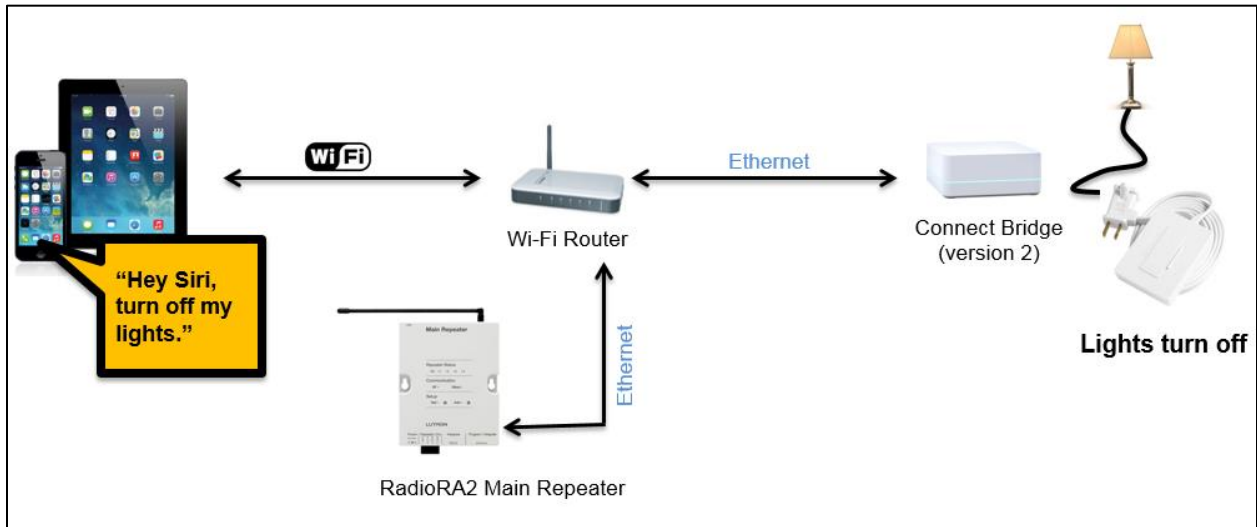
Items required for installation:

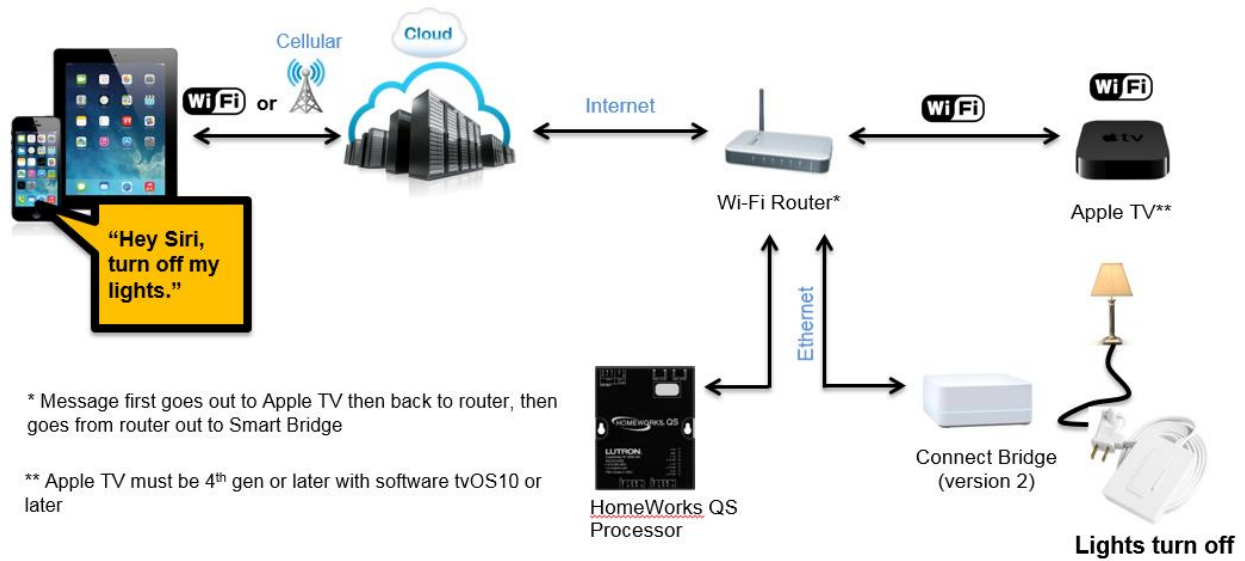|	
Apple Device with iOS 9 or later	Allows for Voice Control
Lutron Connect Bridge (CONNECT-BDG2) with HomeKit	Provides Cloud Integration
RA2 Main Repeater or HomeWorks QS Processor	Holds the database
RadioRA 2 or HomeWorks QS Software Version 11.0 or higher	Allows for voice commands to work with the Connect Bridge
Lutron Connect App 4.0 or higher	Allows integtration configuration for end user
Apple TV 4th generation (optional) an iPad running iOS 10 or higher to enable remote access	Allows for HomeKit remote access

To control this HomeKit-enabled accessory, iOS 9.0 or later is recommended. Communication between iPhone, iPad, or iPod Touch and HomeKit-enabled Connect Bridge is secured by HomeKit technology. Controlling this HomeKit-enabled accessory automatically and away from home requires an Apple TV with tvOS 10.0 or later or an iPad with iOS 10.0 or later set up as a home hub.

2.2 Hardware Configuration

Local Control Diagram

Remote Access Diagram (Apple TV required or iPad with iOS 10 or higher)

Install the Lutron Connect Bridge on the same network as the RadioRA 2 Main repeater or HomeWorks QS processor (with 11.0 or higher software) and activate the Connect Bridge (per instructions in GUI).

1. Open the Lutron Connect App.
2. Select the settings icon in the upper left corner of the app
3. Select HomeKit & Siri and tap Begin Set Up
4. Select the HomeKit Home to be added and tap Next
5. Enter the HomeKit accessory setup code
6. Select the rooms and devices to be controlled
7. Either keep the zone names or change the Siri name, if desired (all Siri names must be unique)

Remote Access Note:

- To control your accessories remotely, you need one of the following devices is required:
  - Apple TV (3rd generation)[*]
  - Apple TV (4th generation) with tvOS 9.0 or later
- To set up automations and user permissions, you need one of the following devices required:
  - Apple TV (4th generation) with tvOS 10
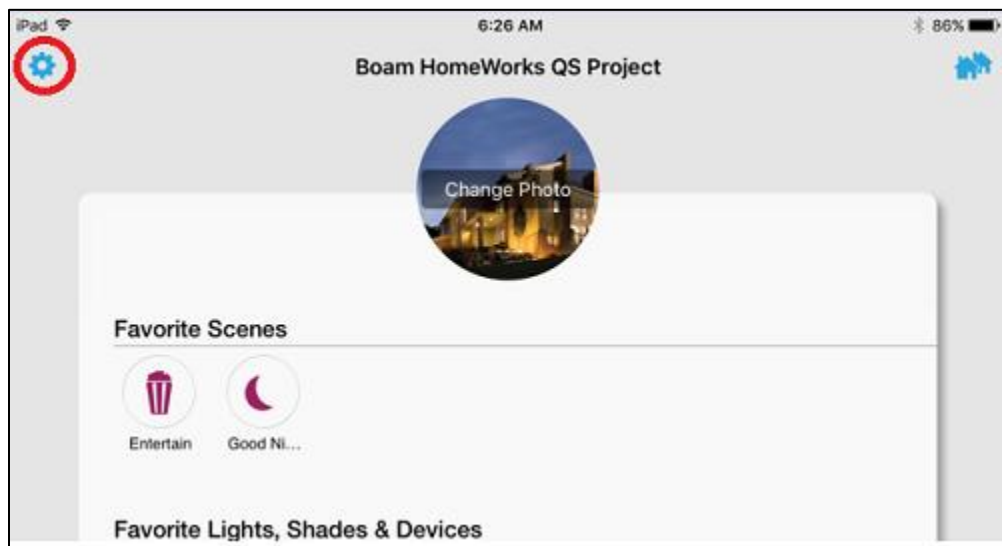 - iPad with iOS 10

For more information please visit Apple Support

Important Note:

The Lutron Connect Bridge must be plugged into the network, and not the Main Repeater or Processor, for proper discovery of HomeKit.
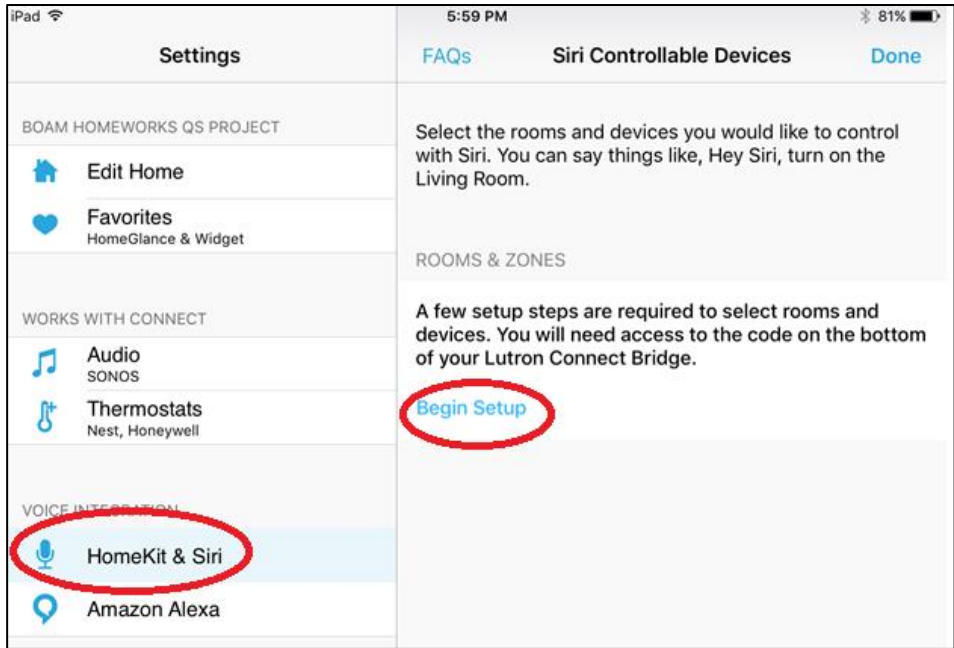
3.0   Lutron Connect App Set Up

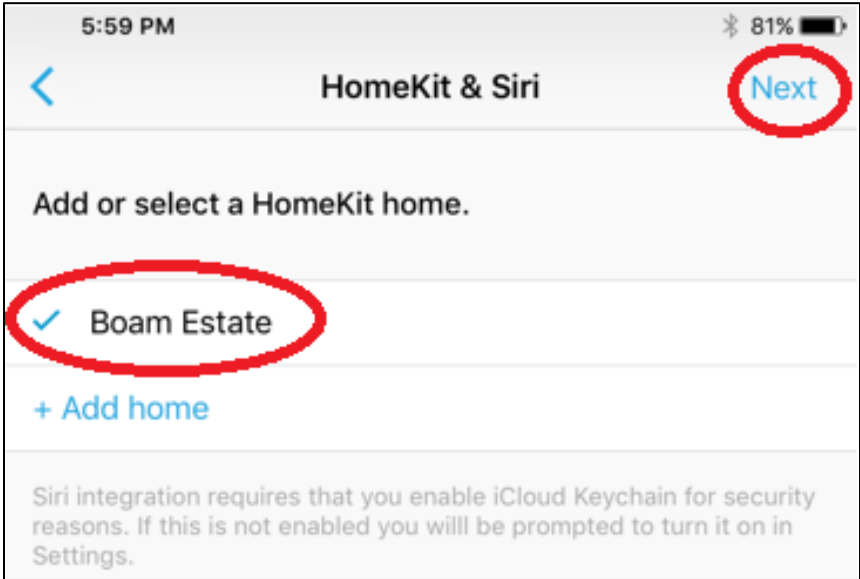### 3.1   Adding Lights and Shades to HomeKit

Open the Lutron Connect app and link HomeKit devices to the Lutron Connect Bridge by selecting the settings button (gear icon)

Next, select HomeKit & Siri and tap Begin Setup
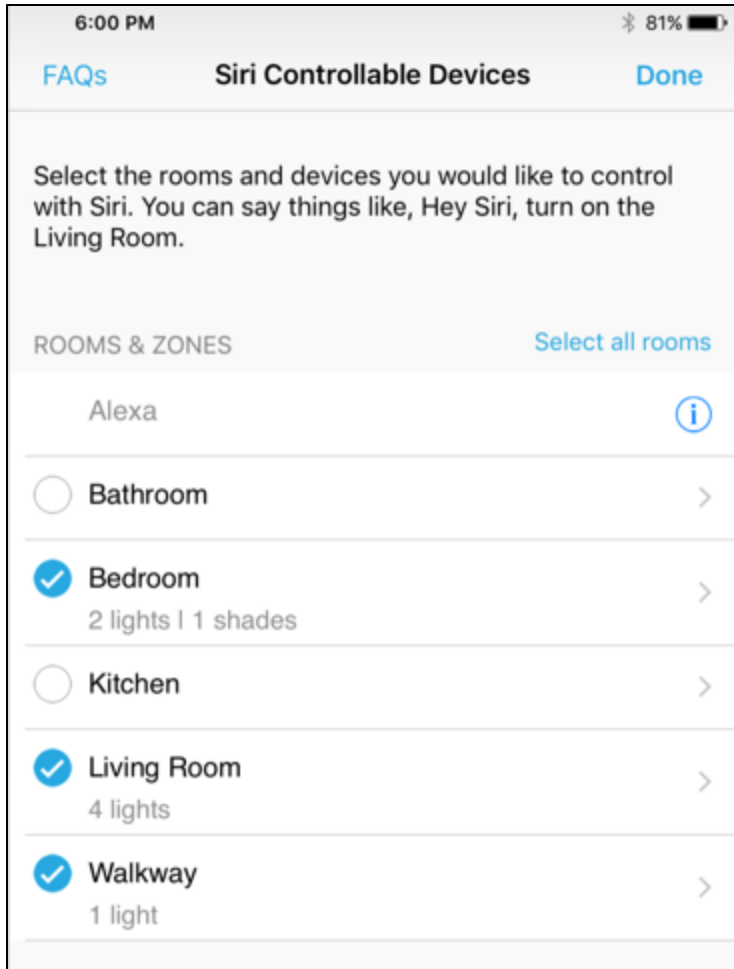
Select the HomeKit home to be added and tap Next.

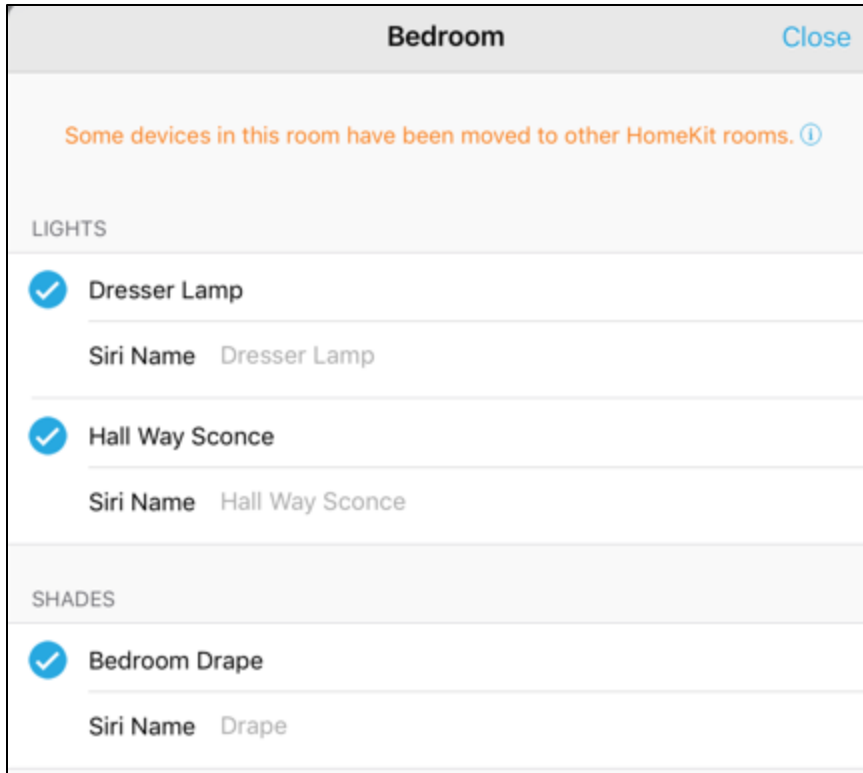Scan the HomeKit accessory setup code on the bottom of the Lutron Connect Bridge.
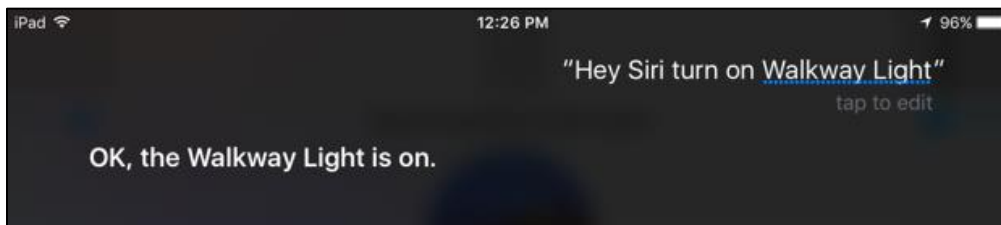
Select the lights and shades that are to be controlled by HomeKit. Up to 99 items can be selected.

By default, the Connect app pulls the zone name or shade name that was entered into the Lutron programming software. If a different name is desired it can be changed in the Siri Name field.
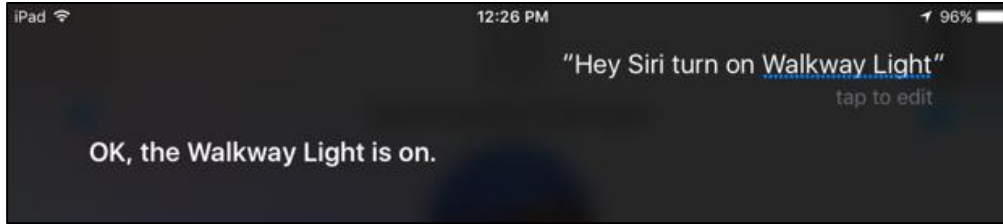
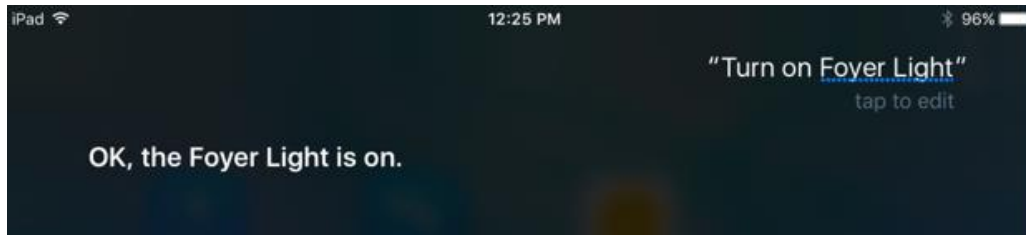Use commands like "Hey Siri, turn on walkway light".

3.2 Using Voice Commands

There are multiple commands that can be used with HomeKit. For example, you can **say "Hey Siri turn on walkway light"**
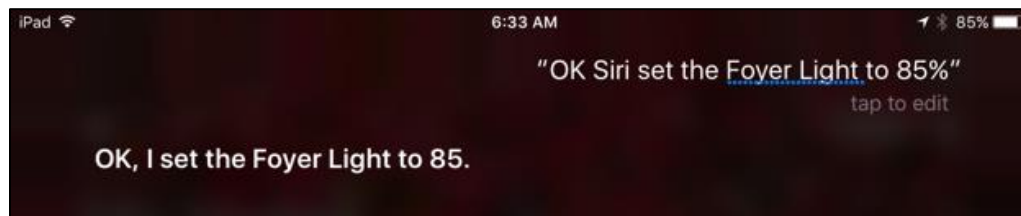
OK, the Walkway Light is on.

"Hey Siri turn on Walkway Light"

tap to edit

Another example is:

"Turn on foyer light"

OK, the Foyer Light is on.

"Turn on Foyer Light"

tap to edit

HomeKit can also set lighting and shade levels to percentages.

"Ok Siri set the foyer light to 85%"

OK, I set the Foyer Light to 85.

"OK Siri set the Foyer Light to 85%"

tap to edit

3.3 Replacing a Lutron Connect Bridge version 1 to a Lutron Connect Bridge version 2

A user who is currently using the Lutron Connect Bridge version 1 (CONNECT-BDG) may want to utilize HomeKit. In order to accomplish this, a new Lutron Connect Bridge version 2 (CONNECT-BDG2) will need to be installed.

Steps:

1. Open the Lutron Connect App and be sure the bridge that needs to be removed is connected.
2. Go to Settings > Edit Home
3. Click on 'Remove home from Account'.
4. Click on 'Ok' when the confirmation pops up to delete the home.
5. Tap the button on the bridge when prompted.
6. The app will be logged out of the system if that was the only home associated to your account, else the app will take you to the additional home.
7. Once successful, disconnect the old bridge and connect the new HomeKit enabled bridge.
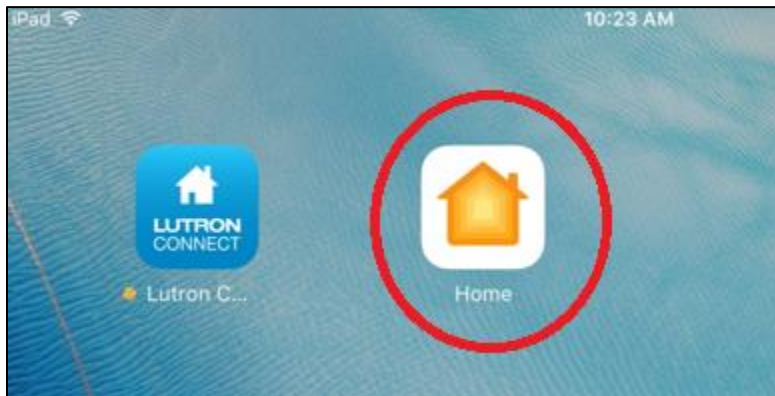8. Sign in to the account and pair your new bridge.

Important Note:

If SONOS and Alexa were set up through the version 1 Connect bridge, those items will need to set up again on the version 2 Connect bridge.
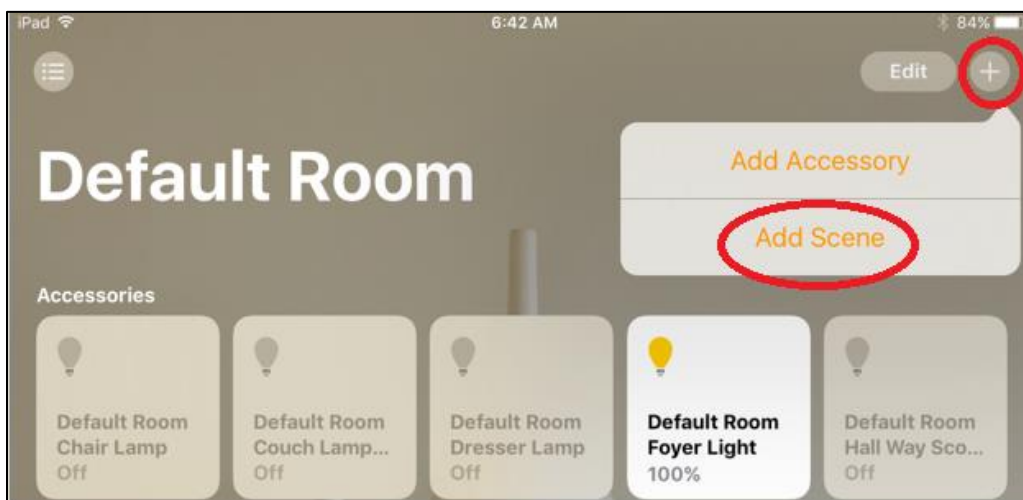
4.0 Setting up Scenes through HomeKit

Scenes can be created through the Apple Home App on any iOS 10 device. The scenes created through the Home app are not reflected within the Lutron Connect App and are only used within HomeKit.
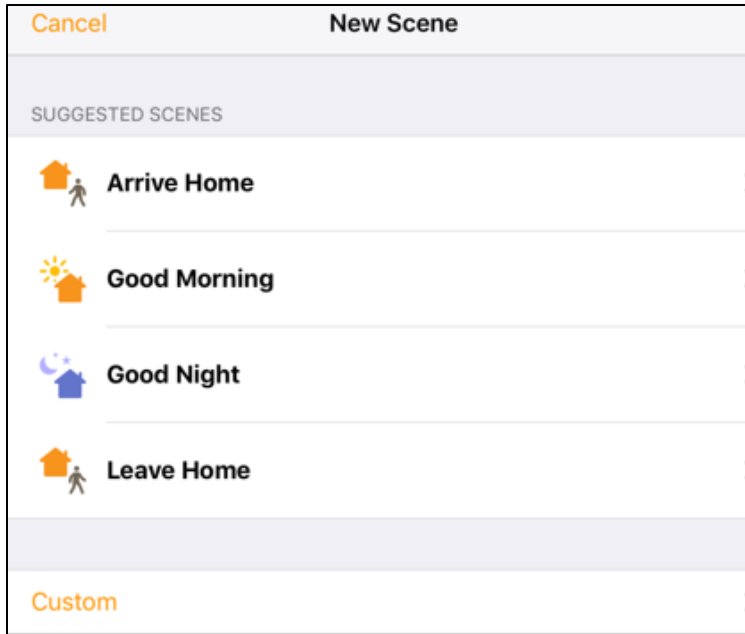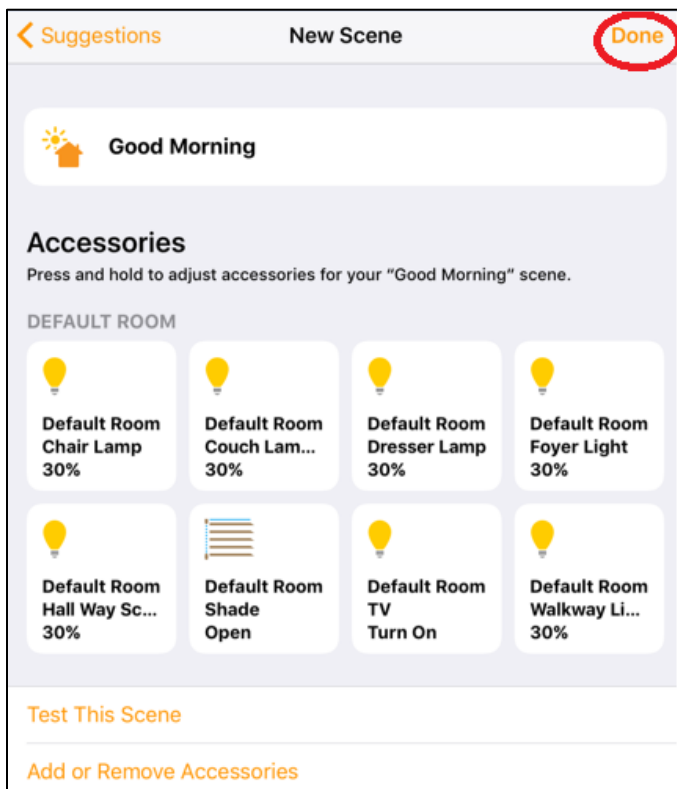
Open the Home App
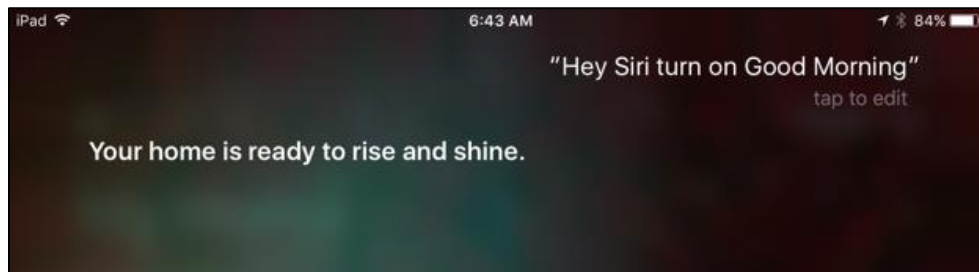

Click the **+** and then tap **Add Scene**

Select a scene name or create a custom name

Add the zones or shades desired for the scene and tap **Done**

Tell Siri to turn on the scene

Important Note:

HomeKit scenes must be used to adjust multiple lights with a single voice command from Siri. Since the scenes were not defined in the Lutron programming software and are groups of individual zone commands, scenes with many devices could experience popcorning.

5.0 Frequently Asked Questions

What is Apple® HomeKit?

HomeKit is an Apple technology for communicating with and controlling connected accessories in a user's home using your iPhone, iPad, Apple Watch and Apple TV. Users can group actions together and trigger them on demand using Siri and the Apple Home app, or automatically by time of day, your location, or sensor detection with a home hub like Apple TV or iPad.

What is a HomeKit accessory?

A HomeKit accessory is a product which can be controlled individually or with other HomeKit accessories at the same time using your iPhone, iPad, Apple Watch, and Apple TV.

Accessories can come in 3 forms. They can be a manufacture's:

1. Product with a built in Wi-Fi Radio

2. Product with a built in Bluetooth Radio

3. System bridge (like Lutron's Connect Bridge version 2)

What can I do with Lutron HomeKit accessories?

1. After you pair your HomeKit-enabled Smart Bridge and iOS device, Siri commands can be used to turn on, off and adjust RadioRA 2 and HomeWorks QS lights and shades. Here are some examples:
   a. "Turn on the lights" or "Turn off the lights."
   b. "Dim the lights" or "Set the brightness to 50%."
   c. "Turn off Chloe's light."

What are HomeKit apps?

HomeKit apps enable Apple iOS users to discover compatible accessories and configure them. Users can:

- Create actions to control accessories
- Group them together
- Control them by using Siri

3rd party HomeKit Apps are developed by (iOS) software developers to aggregate HomeKit accessories together into a single app that can control multiple HomeKit accessories. Apple also has an iOS app called Home which is available to all customers running iOS 10 and above. How does HomeKit work?

When you're at home on your Wi-Fi network, and you tell Siri to do something (ex. "Turn off my lights"), the message is sent over your Wi-Fi network to your HomeKit accessories. If you are away from home and you tell Siri to do something, the message is sent via the Internet to an Apple TV® device or iPad with iOS 10 or higher in your home, which then sends the message over your Wi-Fi network to your HomeKit accessory.

How do I know if a product is HomeKit-enabled?

Any product that is compatible with HomeKit will have a "Works with Apple HomeKit" mark on the packaging, and on a label on the product itself

Example of "Works with Apple HomeKit" logo on packaging:

What Apple hardware/software is required for HomeKit?

An iPhone®, iPad®, or iPod® touch with iOS 9 or later is required for HomeKit. You can check your iOS version in Settings > General > About > Version.
For remote access, a 4rd generation or later Apple TV or iPad with iOS 10 or higher is required in the home. Follow the steps here to make sure you have a supported Apple TV: https://support.apple.com/en-us/HT200008.

Remote access through Apple TV may require you to log out of iCloud and log back in on your Apple TV.

Tip: Siri will be more responsive if you set the Sleep After setting to "Never" in Settings > General on your Apple TV.

If you have any other issues setting up Apple TV, please contact Apple Customer Support.

How do I know that my home data is secure?

HomeKit integration uses built in iOS security and privacy features.
For more information, see http://www.apple.com/privacy/privacy-built-in/
iCloud keychain is also used to protect your data. For more information about iCloud keychain, see: https://support.apple.com/en-us/HT204085.

If you have any issues related to iCloud keychain, please see Apple customer support: https://www.apple.com/support/icloud/keychain/

What Lutron hardware/software is required for HomeKit?

A Lutron Connect Bridge version 2 (CONNECT-BDG2), as well as the iOS Lutron Connect App for version 4.0 or later and Lutron programming software 11.0 or higher.

Note: the Lutron Connect Bridge model number MUST contain a "2" in it. The Lutron Connect Bridges without the "2" in the model number do not support HomeKit. With the exception of HomeKit support, all other features remain identical for generation 1 and generation 2).

Will my Connect Bridge work with HomeKit?

Check the model number on the bottom of your Connect Bridge and check that it starts with CONNECT-BDG2. This model supports HomeKit. Lutron added additional functionality to the Smart Bridge in rev 2 hardware in order to support HomeKit.
Otherwise you will need to purchase a Lutron Connect Bridge version 2 (CONNECT-BDG2), then follow the steps to upgrade within the Lutron app. Lutron will release an update that walks through the upgrade.

Other than HomeKit support, are there any other differences between version 1 and version 2 Connect Bridges?

No. The only difference between version 1 and version 2 Connect Bridges is that the version 2 Connect Bridges support HomeKit. All other features are the same between both versions of bridges (i.e. devices, scenes, scheduled events, temp control, remote access, geofencing, widget, and integration with Apple Watch). Both versions of bridges will continue to be supported and firmware updates will continue to occur for future features and improvements.

How do you reset HomeKit data on the Connect Bridge?

Hold the button on the back of the bridge for 20 seconds. It will clear the Homekit authentication data.

How many zones can be pulled into HomeKit?

99 zones and or shades can be controlled through HomeKit.

Can you check zone levels? "Siri, is my kitchen light on?"

Yes, you can have Siri check zone/shade levels.