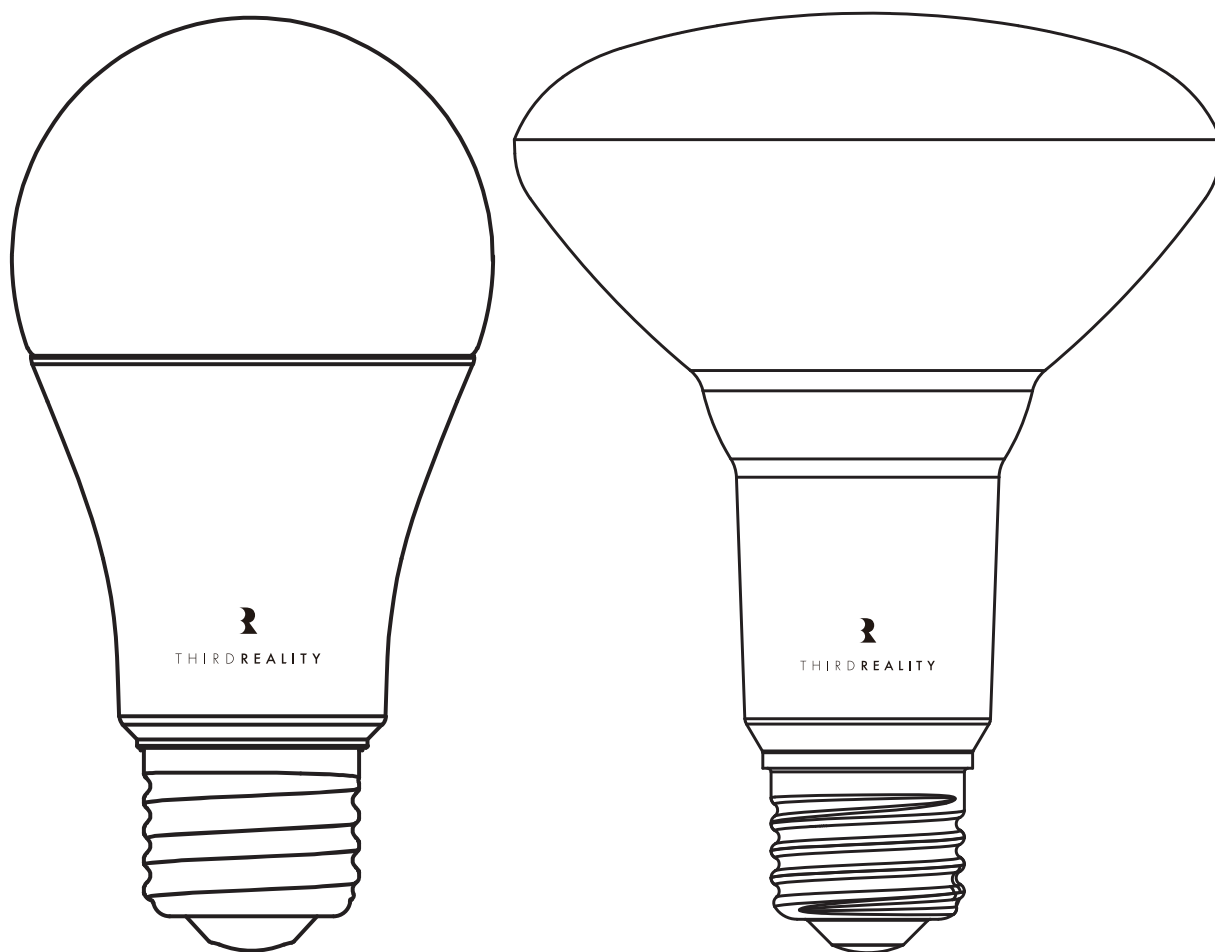


Smart Color Bulb ZL1/ZB3

User Manual



THIRD REALITY

Contents

| | |
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Introduction

Third Reality Smart Color Bulb offers an easy smart lighting solution in your home. The smart color bulb enables you to control your lights in multiple ways - on/off, dimming, routines, away mode, etc. - through your Smart Home app on your phones or simply voice commands.

Factory Reset

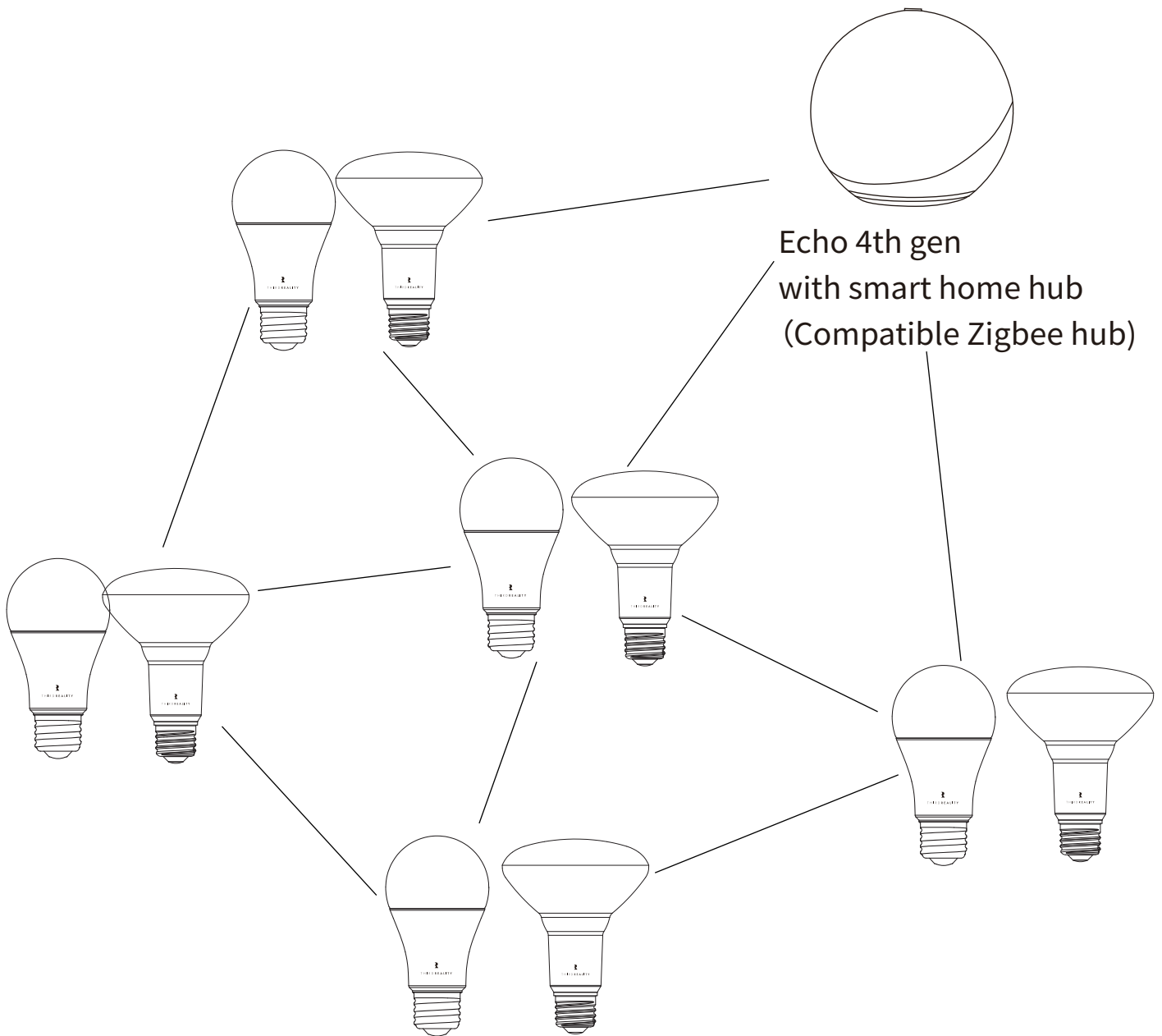
Power the smart color bulb, power cycle(power off and on) smart color bulb 5 times in a row to factory reset it, it flashes warm white - cold white - red - green - blue in a row within 3 seconds, then it turns solid warm white, indicating it enters Zigbee pairing mode. It will exit Zigbee pairing mode if not paired within 3 min.

Zigbee Mesh Network

Work as a Zigbee repeater.

Extent the signal range of the Zigbee Mesh Network.

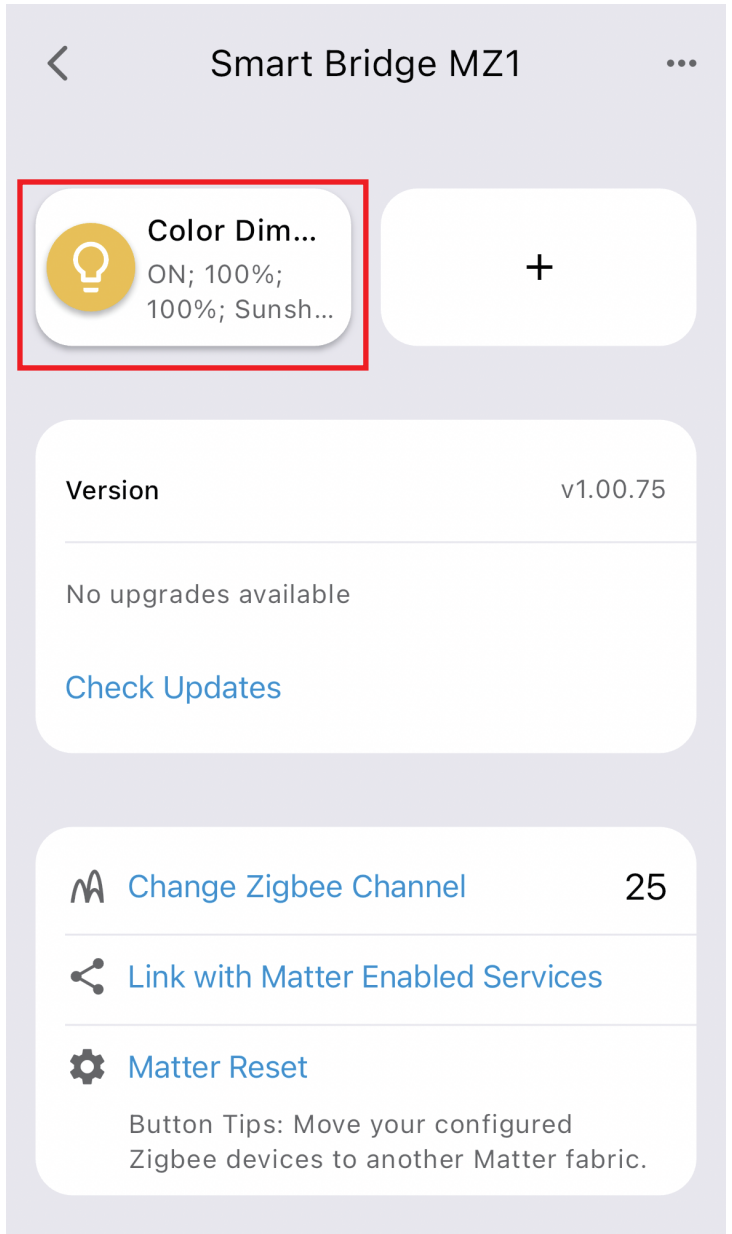
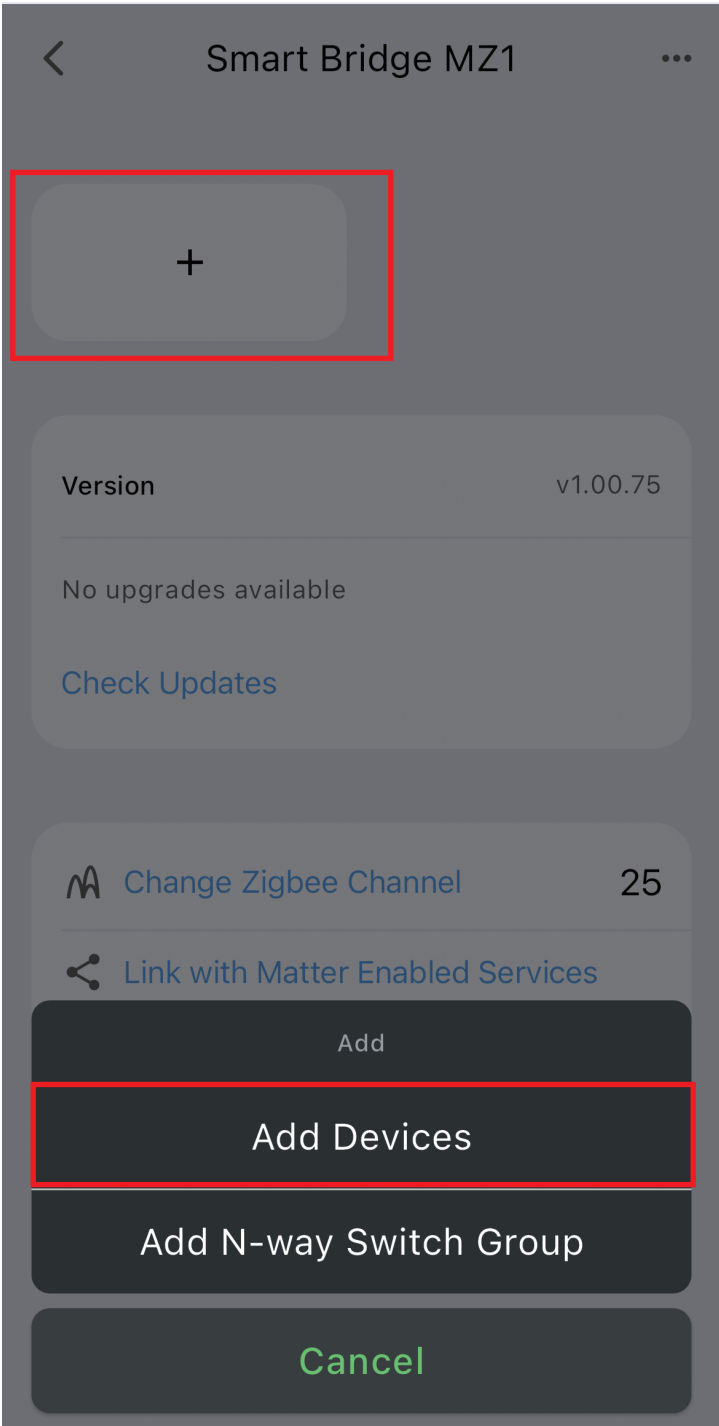
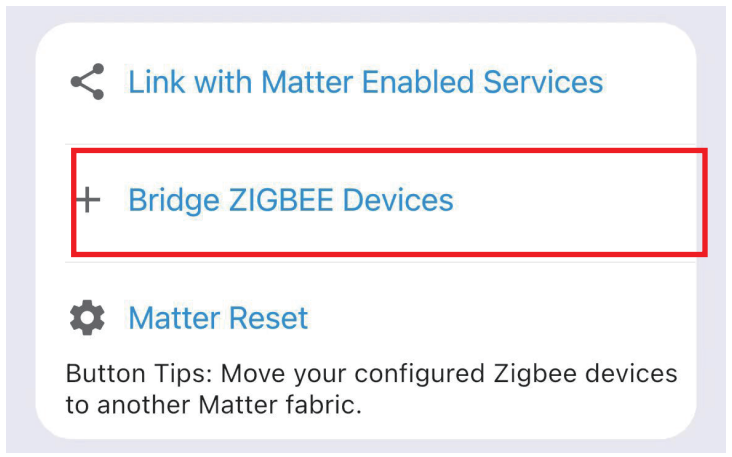
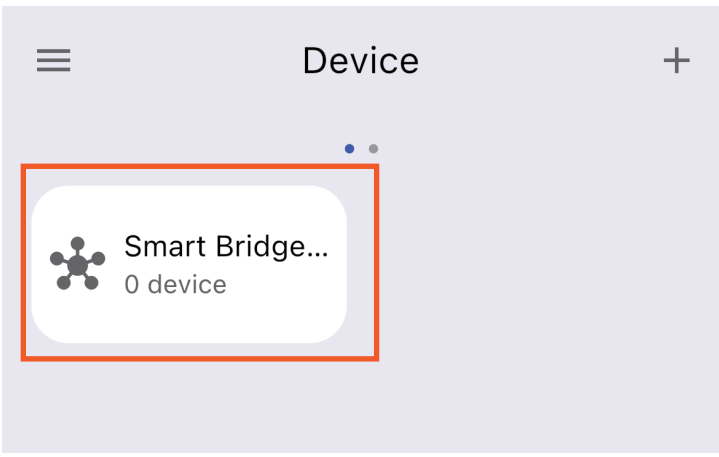
Note: Do not turn off the wall switch that controls the smart bulb, make sure the smart bulb maintains power to work as a repeater.

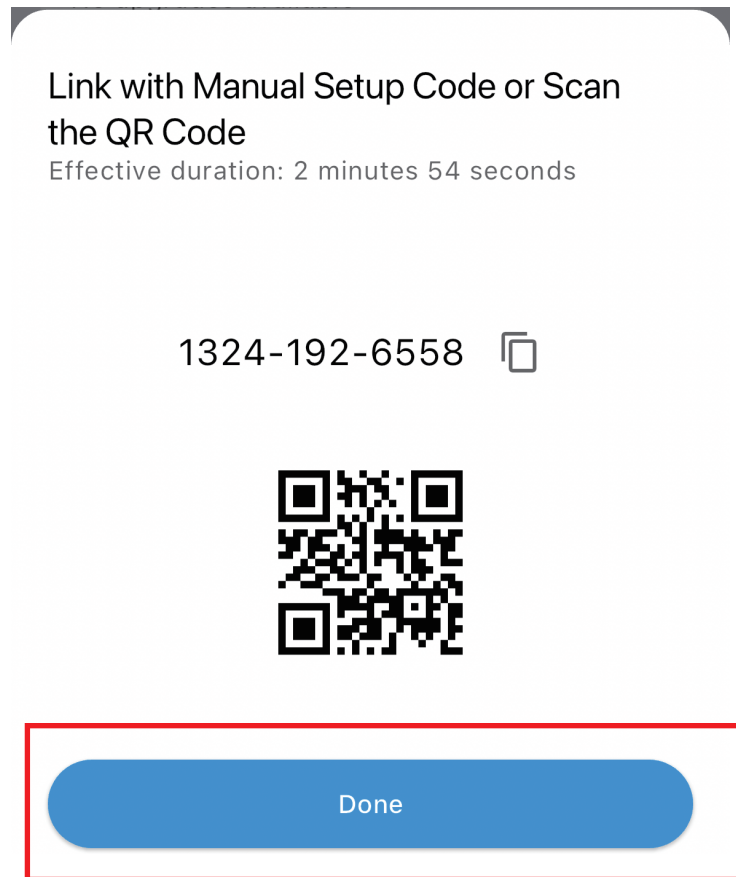
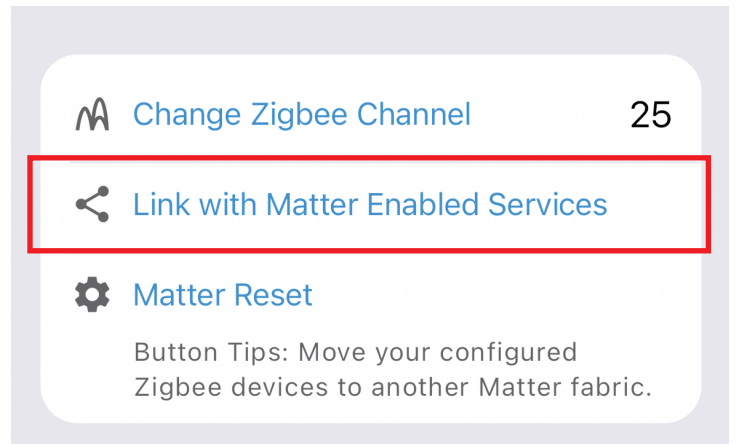
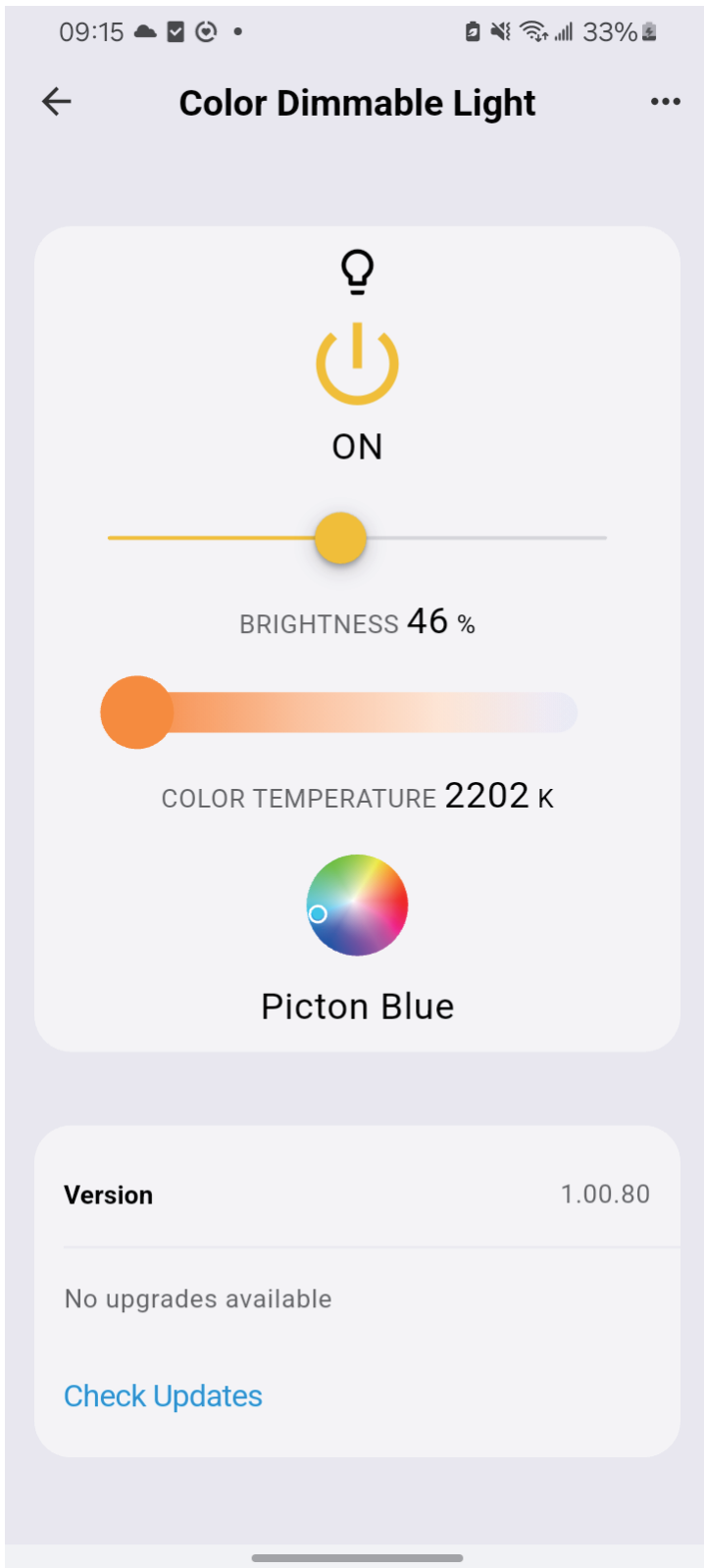


Setup with Smart Bridge MZ1

The Smart Bridge (sold separately) enables your Zigbee device to become Matter-compatible, allowing seamless integration with major Matter ecosystems like Apple Home, Google Home, Amazon Alexa, Samsung SmartThings, and Home Assistant. By setting up your Zigbee light bulb with the Smart Bridge, it transforms into a Matter compatible smart color bulb, enabling local control through Matter. Third Reality also offers the 3R-Installer App, which lets you configure Zigbee bulb attributes such as default-on behavior and perform firmware updates.

1. Ensure your bridge is already set up within your smart home system.
2. Ensure the light switch controlling the E26 bulb socket is turned off. Then install the smart color bulb by screwing it securely into the socket.
3. Turn on the light bulb and confirm it's in pairing mode. The smart bulb will flash warm white, cool white, red, green, and blue within 3 seconds, then turn solid warm white, indicating it has entered Zigbee pairing mode. If this sequence doesn't occur, please factory reset the bulb to initiate pairing mode.
4. Press the pinhole button on the bridge to activate Zigbee pairing mode. The Zigbee blue LED should start blinking.
5. The bulb will pair with the bridge, and a new device will appear in your smart home app, such as Google Home or Alexa.
6. Optionally, you can install the 3R-Installer App and use the multi-admin feature in your smart home app to share permissions with the 3R-Installer App.

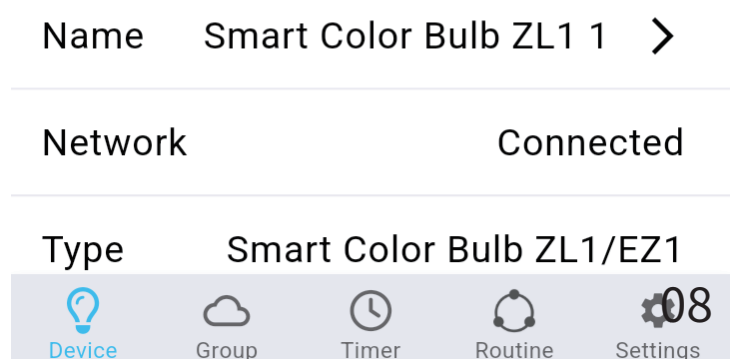
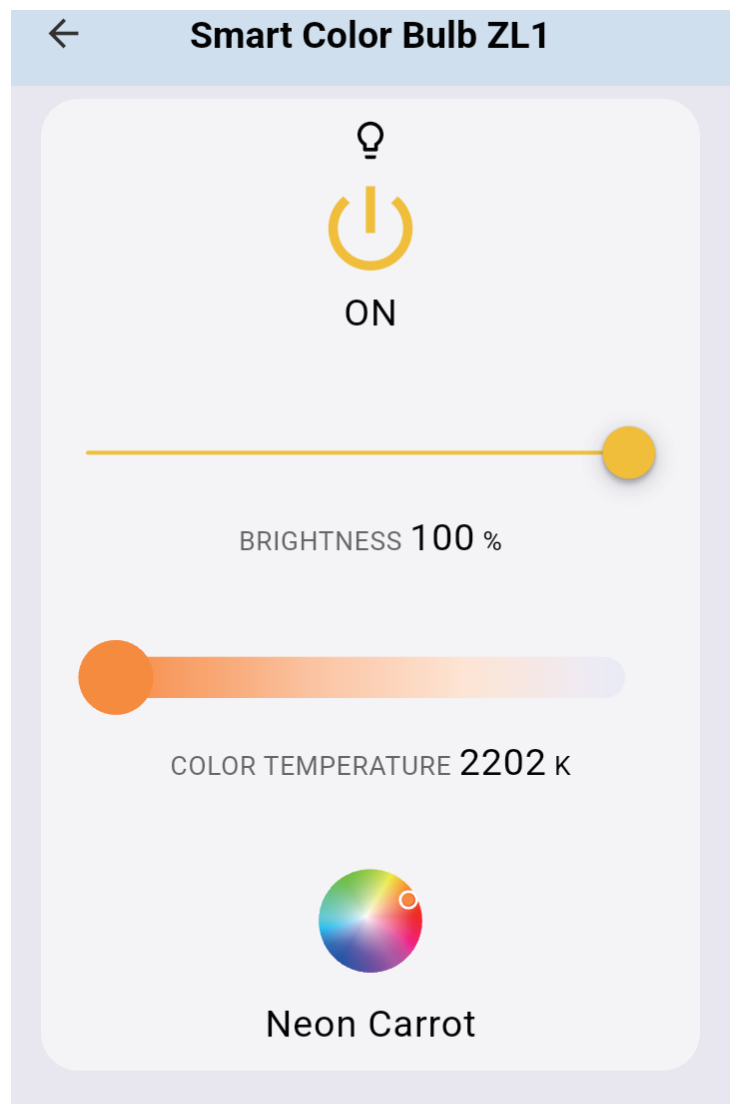
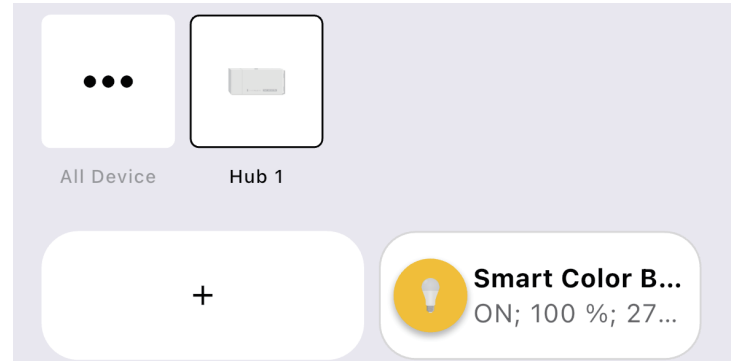
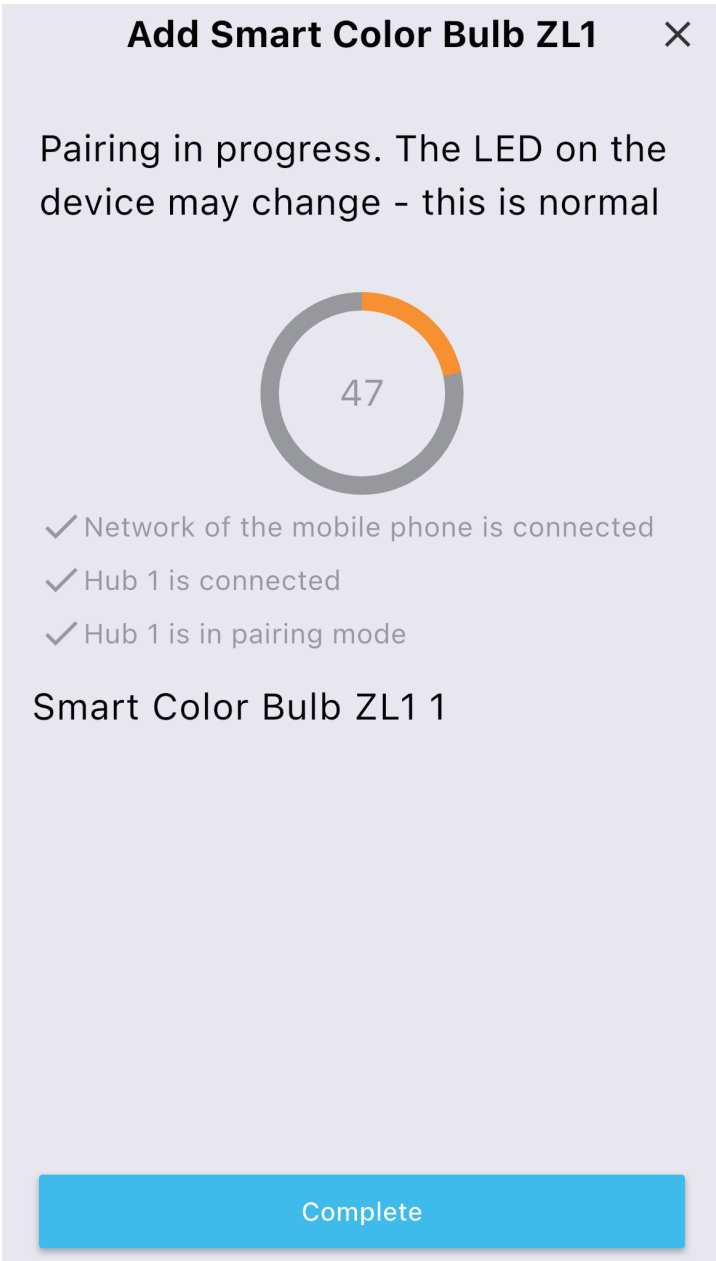
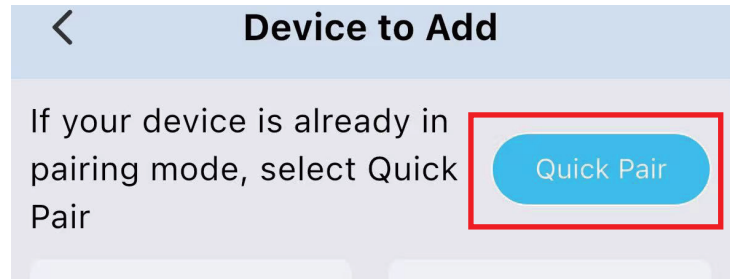
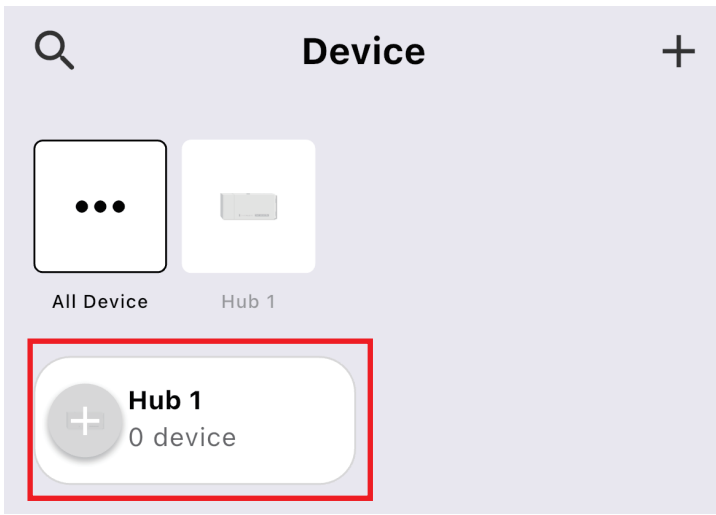




Setup with Third Reality Hub and SKILL

The Third Reality Hub (sold separately) allows you to control your device remotely via the Third Reality App, making it a great option for smart home beginners or those without a system from major providers. Additionally, the Third Reality Cloud supports SKILL integration with Google Home or Amazon Alexa, enabling you to connect your device to these platforms. However, due to the potential for slow and unreliable Cloud-to-Cloud connections, we recommend using the Bridge solution if Google Home or Alexa is your primary smart home platform.

1. Ensure your hub is properly set up with Third Reality App.
2. Ensure the light switch controlling the E26 bulb socket is turned off.
3. Then install the smart color bulb by screwing it securely into the socket.
4. Turn on the light bulb and confirm it's in pairing mode. The smart bulb will flash warm white, cool white, red, green, and blue within 3 seconds, then turn solid warm white, indicating it has entered Zigbee pairing mode within 3 minutes. If this sequence doesn't occur, please factory reset the bulb to initiate pairing mode.
5. Open the Third Reality App, press the "+" icon next to the hub, and select "Quick Pair."
6. The bulb will pair with your hub and appear in the Third Reality App.
7. Optionally, you can enable the Third Reality SKILL in either the Alexa or Google Home app to enable Cloud-to-Cloud communication.



Setup with Compatible Third-Party Zigbee Hubs

Third Reality supports integration with various open Zigbee platforms, including Amazon Echo with built-in Zigbee, Samsung SmartThings, Home Assistant (with ZHA or Z2M), Homey and Hubitat. If you own any of these devices, you can pair the smart bulb directly without the need for an additional bridge or hub.

1. Ensure your Zigbee Hub is already set up within your smart home system.
2. Ensure the light switch controlling the E26 bulb socket is turned off. Then install the smart color bulb by screwing it securely into the socket.
3. Turn on the light bulb and confirm it's in pairing mode. The smart bulb will flash warm white, cool white, red, green, and blue within 3 seconds, then turn solid warm white, indicating it has entered Zigbee pairing mode within 3 minutes. If this sequence doesn't occur, please factory reset the bulb to initiate pairing mode.
4. Open your smart home app and follow the on-screen instructions to begin the Zigbee pairing process.
5. The smart bulb will flash and then turn warm white, indicating it has successfully paired with the Zigbee hub.
6. You can now use your smart home app to turn the bulb on/off, adjust its color and color temperature, and create routines.

Pairing with SmartThings

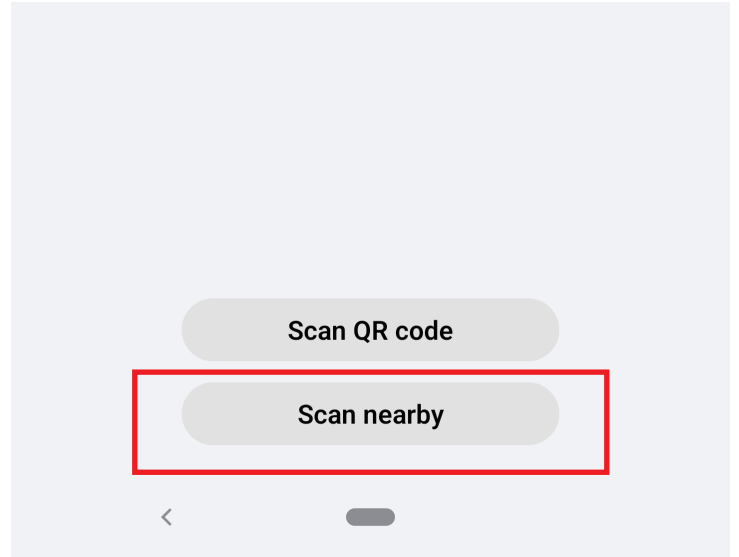
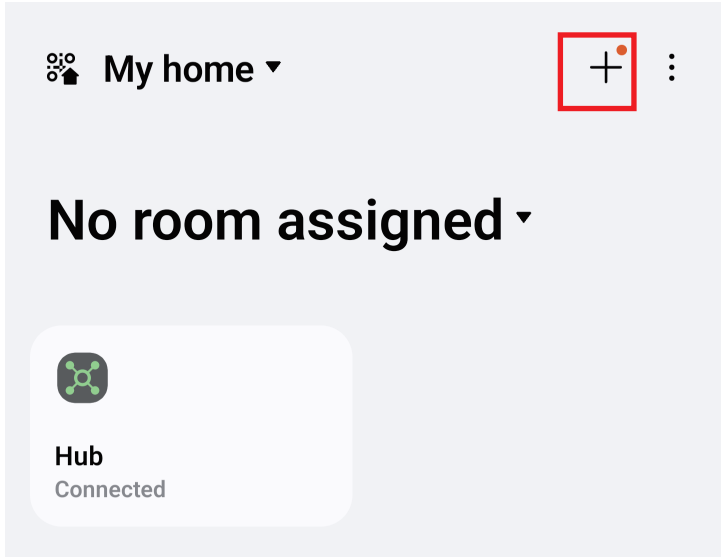
App: SmartThings App

Devices: SmartThings Hub 2nd Gen(2015) and 3rd Gen(2018), Aeotec Smart Home Hub.

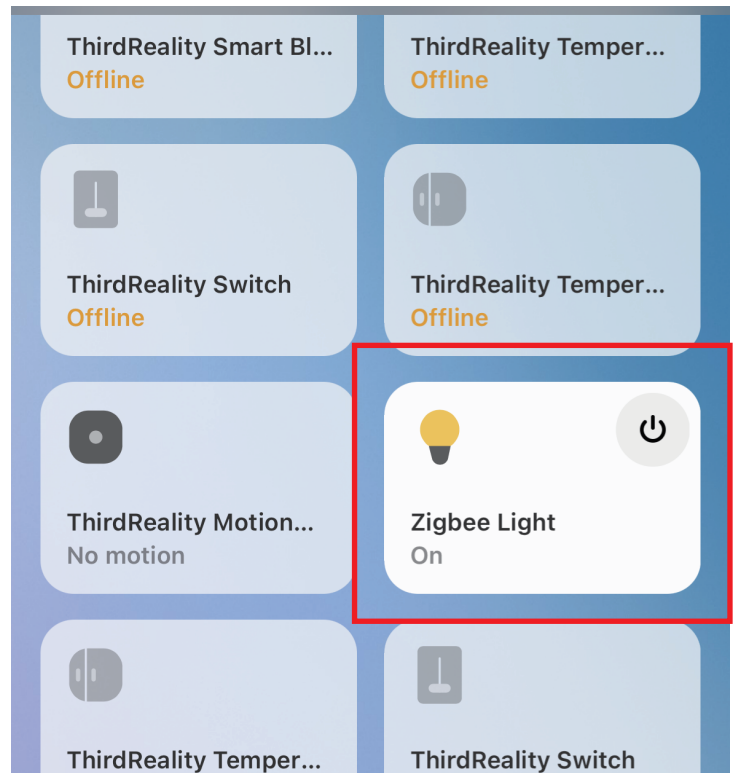
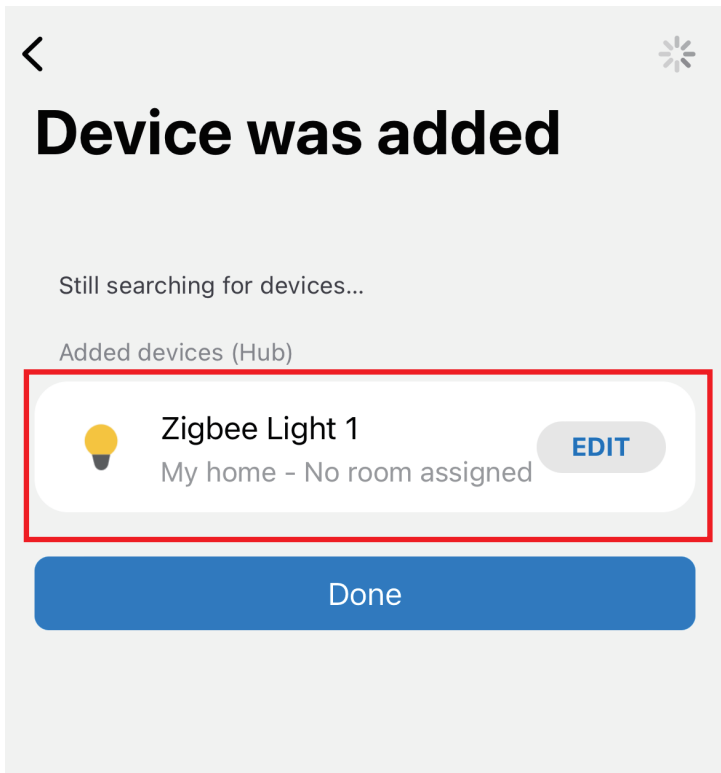


Pairing steps:

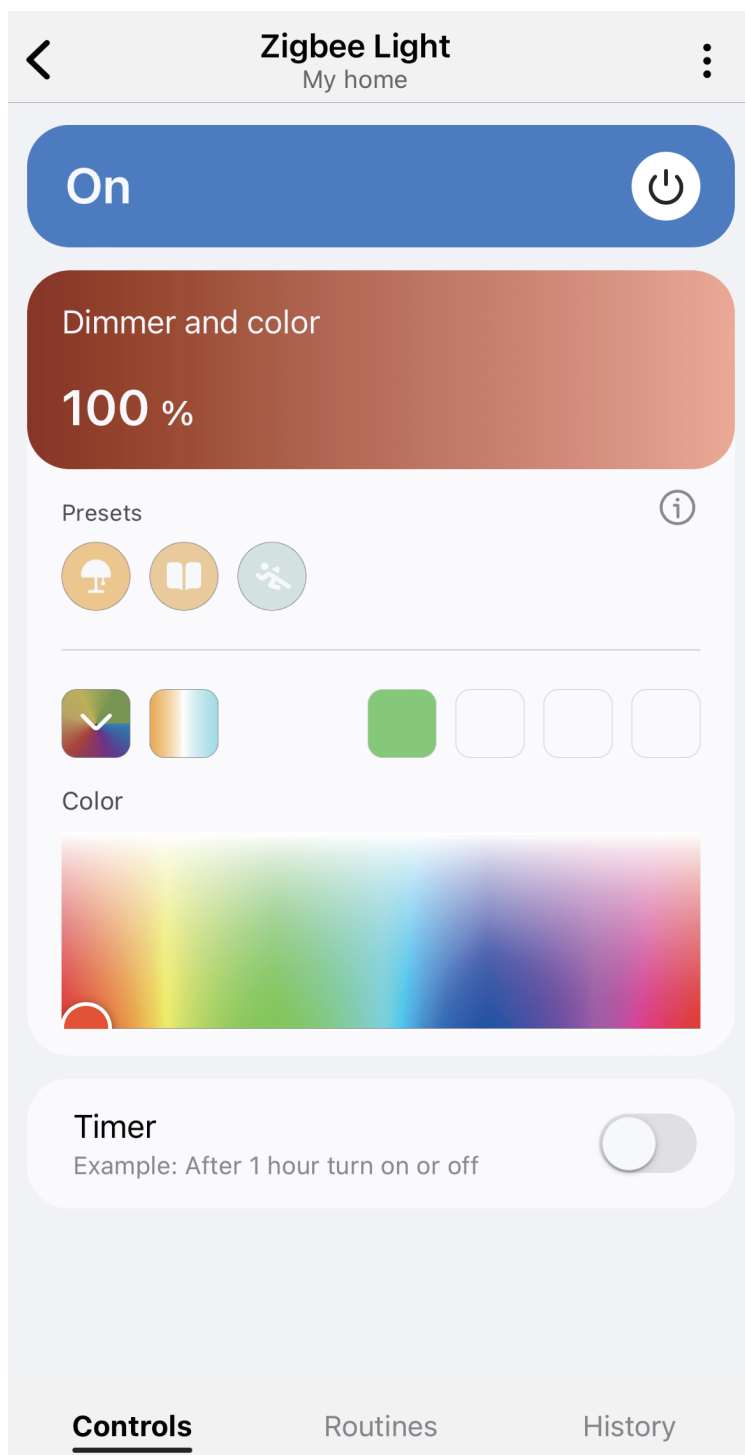
1. Before pairing, check for updates to make sure the SmartThings Hub firmware is up to date.
3. Turn on the light bulb and confirm it's in pairing mode. The smart bulb will flash warm white, cool white, red, green, and blue within 3 seconds, then turn solid warm white, indicating it has entered Zigbee pairing mode. If this sequence doesn't occur, please factory reset the bulb to initiate pairing mode.
4. Open your SmartThings App, tap "+" on the up right corner to "Add device" and then tap "Scan nearby".



5. The bulb will be added to your SmartThings hub in a few seconds.



6. Create routines to control connected devices.



Pairing with Amazon Alexa

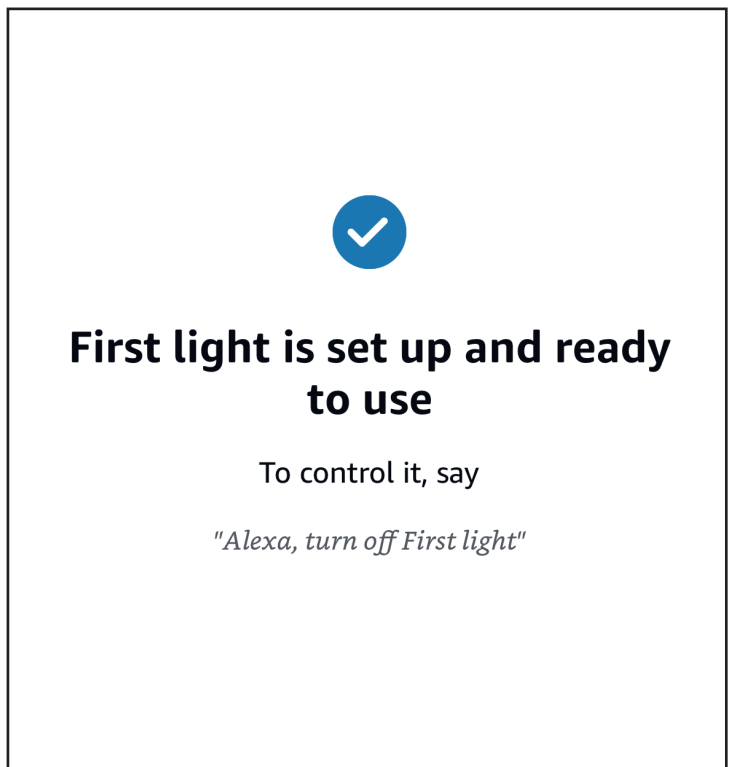
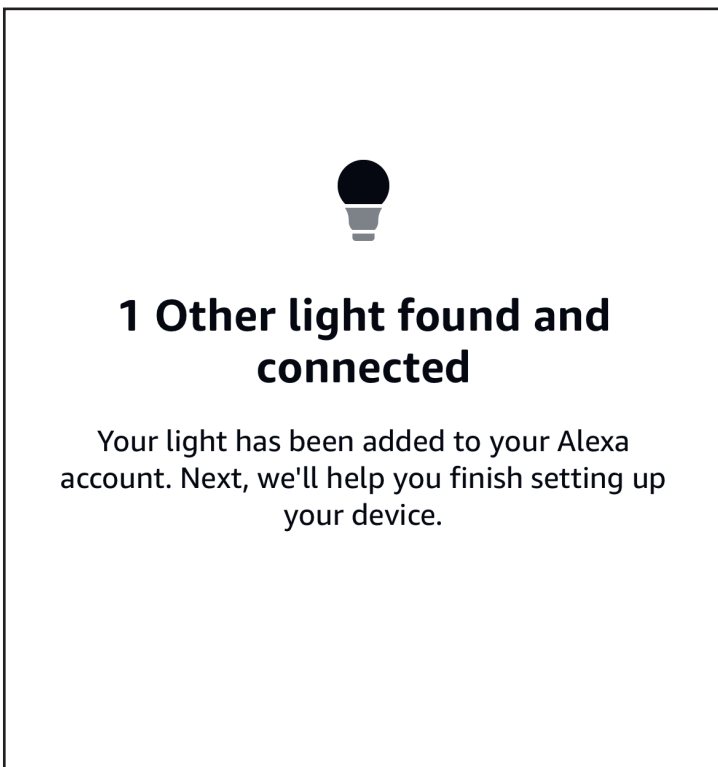
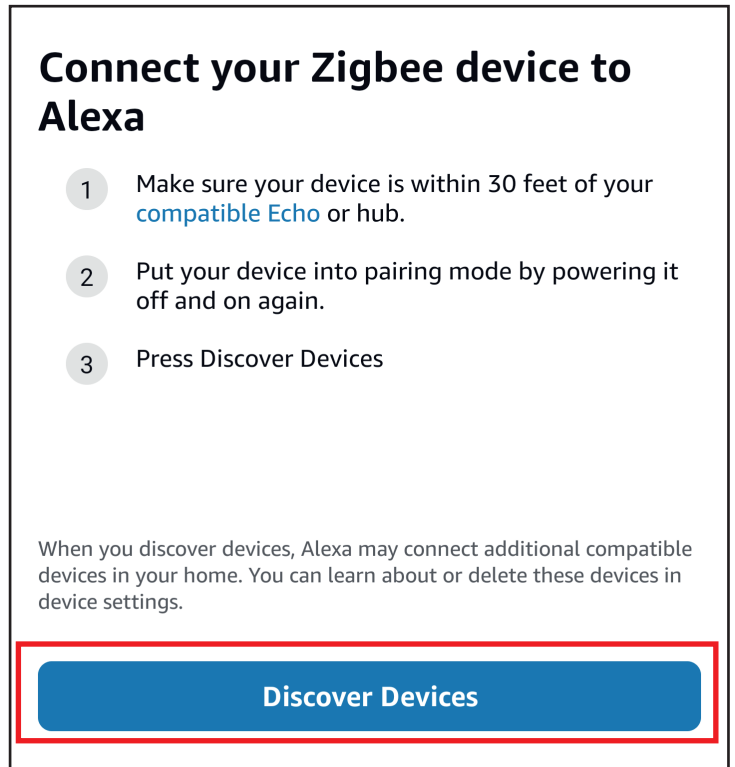
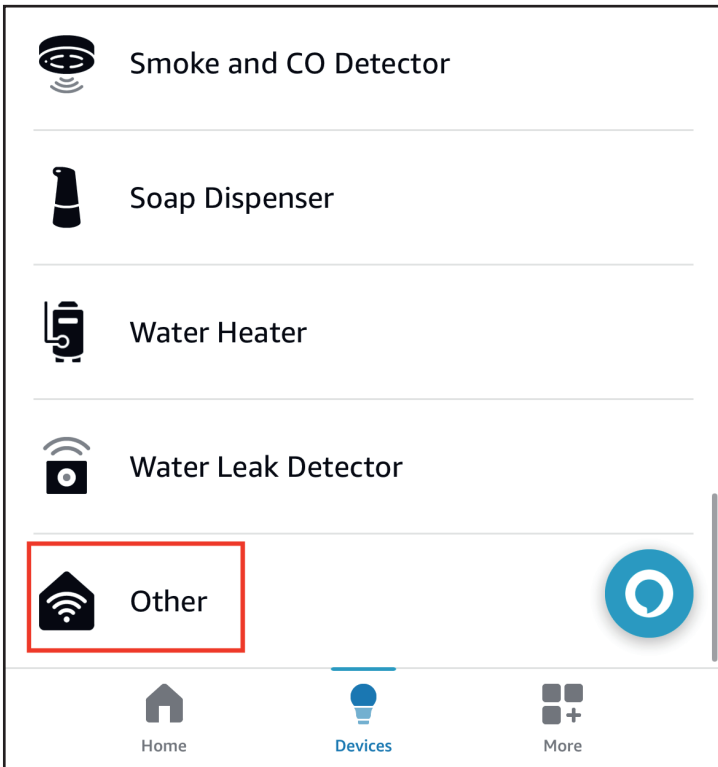
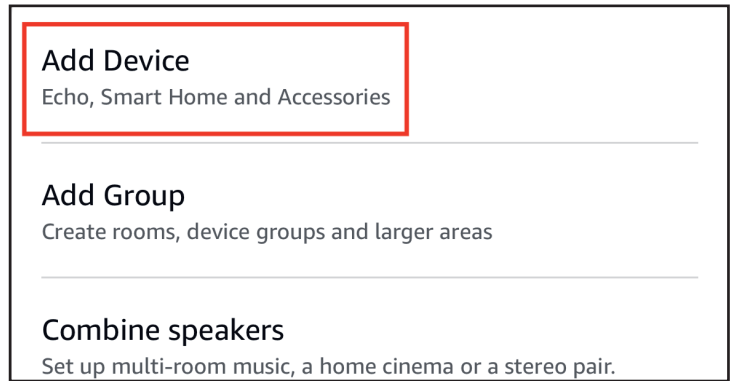
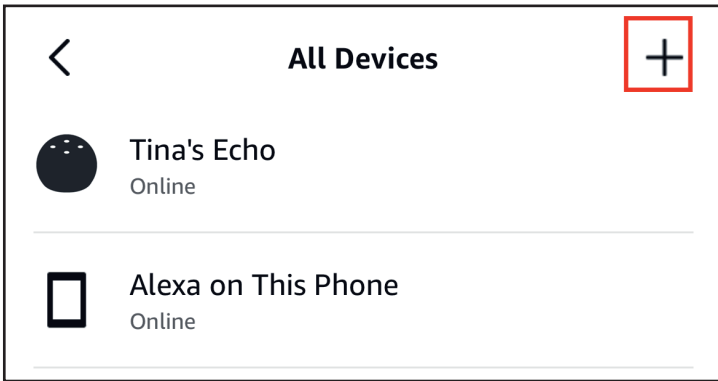
App: Amazon Alexa

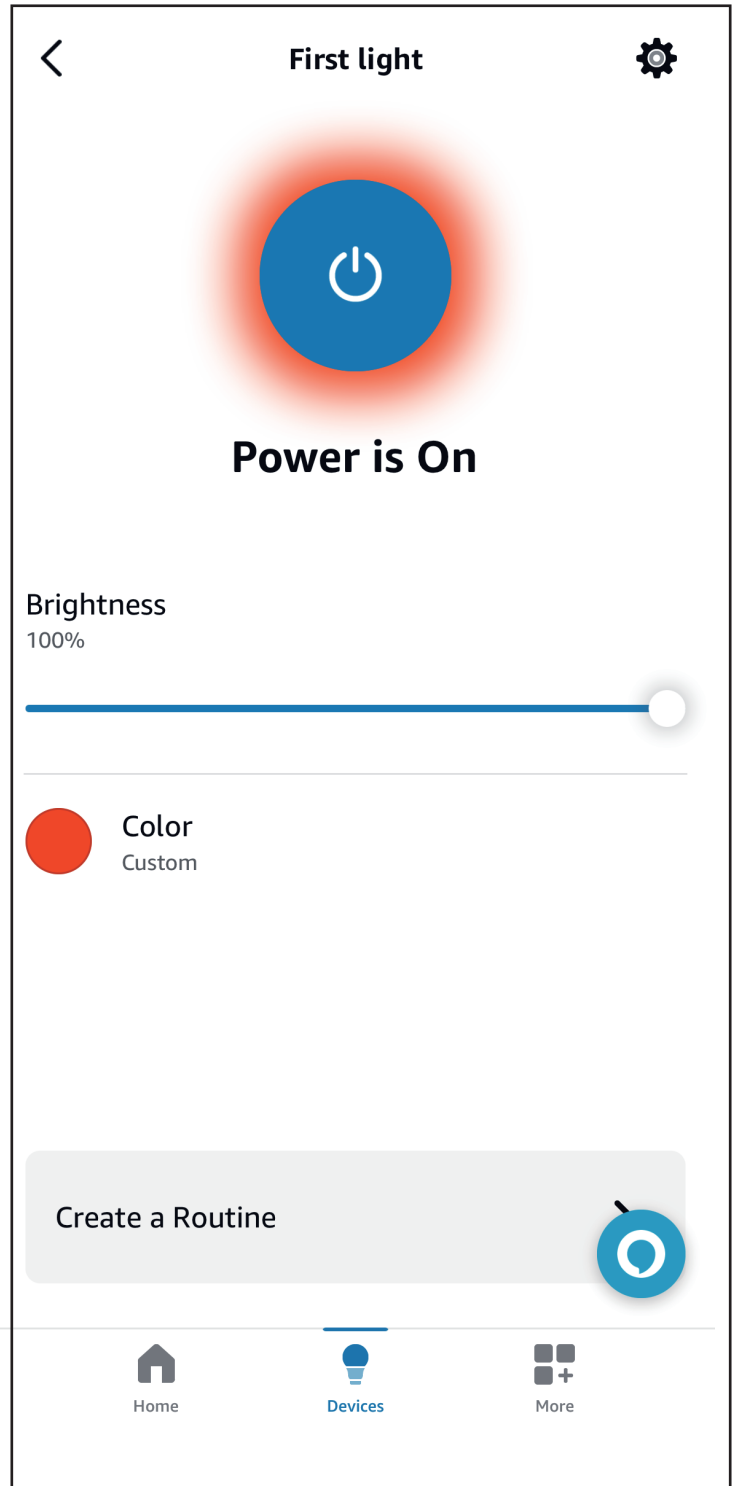
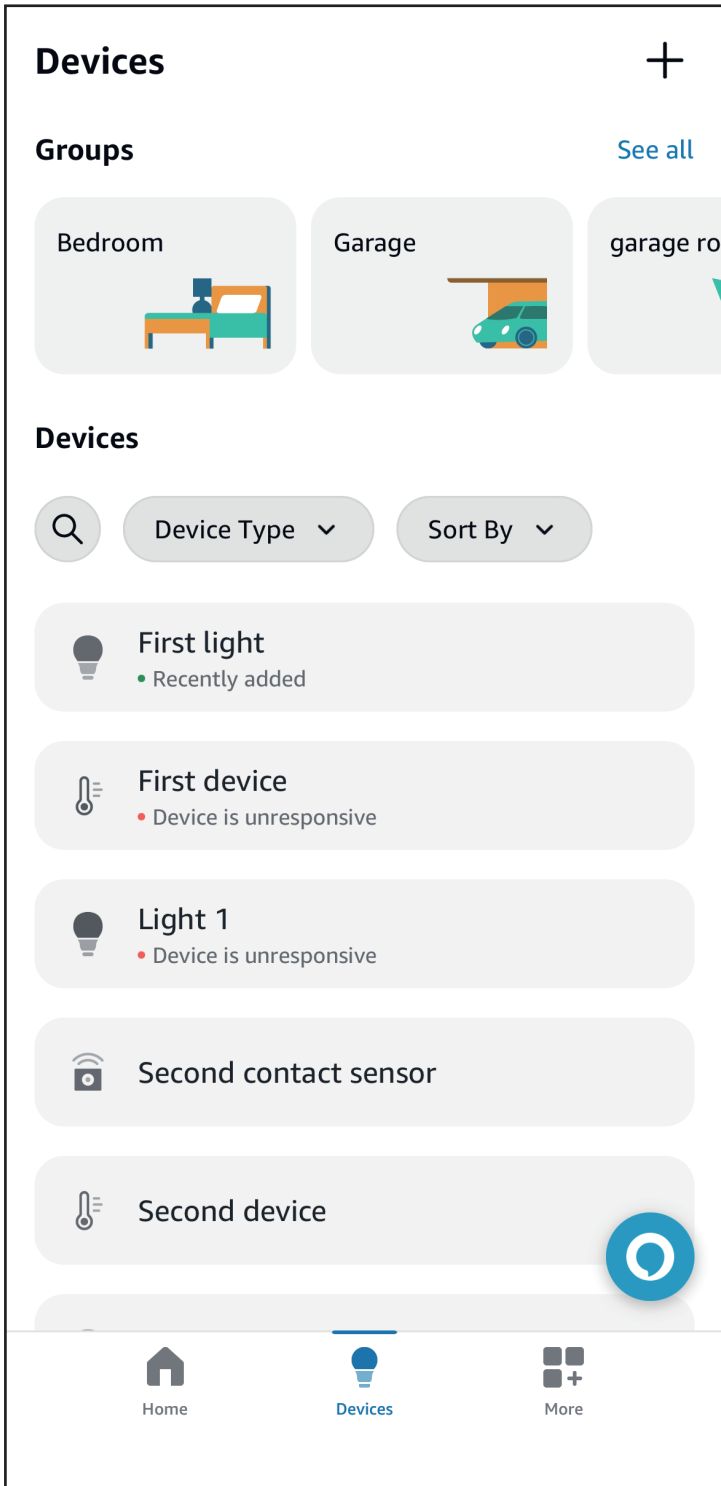
Devices: Echo speakers with built-in Zigbee hub, Echo 4th Gen, Echo Plus 1st & 2nd Gen, Echo Studio



Pairing steps:

1. Ask Alexa to check for updates before pairing.
2. Turn on the light bulb and confirm it's in pairing mode. The smart bulb will flash warm white, cool white, red, green, and blue within 3 seconds, then turn solid warm white, indicating it has entered Zigbee pairing mode. If this sequence doesn't occur, please factory reset the bulb to initiate pairing mode.
3. Tap "+" in the Alexa App, choose "Other" and "Zigbee" to add device, the bulb will be added.
4. You can create routines with the device.





Pairing with Hubitat

Website: <http://find.hubitat.com/>



Pairing steps:

1. Turn on the light bulb and confirm it's in pairing mode. The smart bulb will flash warm white, cool white, red, green, and blue within 3 seconds, then turn solid warm white, indicating it has entered Zigbee pairing mode. If this sequence doesn't occur, please factory reset the bulb to initiate pairing mode.
2. Visit your Hubitat Elevation hub device page from your web browser, select the Devices menu item from the sidebar, then select Discover Devices in the upper right.
3. Click Start Zigbee Pairing button after you select a Zigbee device type, the Start Zigbee Pairing button will put the hub in Zigbee pairing mode for 60 seconds.
4. Pairing is completed.
5. Tap Apps, and Create New Basic Rules.

Hubitat **Devices** hubitat-c7

Compatible device list X Clear Search... **+ Add device**

| Disable | Label (Name) | Type | Room | Source | DNI | Status | Last Activity | |
|-------------------------------------|---|--|------|--------|--------------------------|--------|--------------------|-----|
| <input type="checkbox"/> | 1 (Advanced Zigbee CT Bulb) | Advanced Zigbee CT Bulb | | System | 2EA3 B40ECFD298B00000 | | 8/27/2024 10:42:35 | |
| <input checked="" type="checkbox"/> | 444 (Device) | Device | huan | System | 1315 282C02BFFF909D1 | | | |
| <input type="checkbox"/> | 729ms (Generic Zigbee Motion Sensor (no temp)) | Generic Zigbee Motion Sensor (no temp) | | System | 8439 282C02BFFF909D1 | | 7/29/2024 15:44:55 | 60 |
| <input type="checkbox"/> | Advanced Zigbee CT Bulb | Advanced Zigbee CT Bulb | | System | 1AED B40ECFD32AAC0000 | | 8/27/2024 10:42:28 | |
| <input type="checkbox"/> | del (Third Reality Smart Button) | Third Reality Smart Button | | System | 5A05 282C02BFFF909D1 | | 8/06/2024 13:42:54 | 100 |
| <input type="checkbox"/> | Plant Watering System | Generic Zigbee Switch | | System | 4F31 282C02BFFF909D1 | | 8/27/2024 10:13:02 | |
| <input type="checkbox"/> | Smart Soil Moisture Sensor (Device) | Generic Zigbee Temperature/Humidity Sensor | | System | 952B A4C138EEDB829E73 | | | |

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Hubitat **Add device** hubitat-c7

Find by device type
Bulbs, dimmers, locks, outlets, switches...

Find by brand
Aeotec, Bosch, Centralite, Dome, Ecolink...

Add device manually:

Zigbee Z-Wave Matter Iris V1 Zigbee

Virtual

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Hubitat **ELIMINATE YOUR ENVIRONMENT** Add device hubitat-c7

Home

Advanced Zigbee CT Bulb added!

[View device details](#)

Test the functions of your new device (**highly recommended**) and see additional details.

[+ Add another device](#)

Start from the beginning to add a new device.

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Hubitat **ELIMINATE YOUR ENVIRONMENT** Smart Color Bulb hubitat-c7

[Device List](#) [Events](#) [Logs](#)

Commands

| | | | |
|---|---|--|--|
| Configure configure | Flash flash | Off off | On on |
| Preset Level presetLevel Preset Level*: <input type="text"/> | Refresh refresh | Set Color Temperature setColorTemperature Color temperature*: <input type="text"/> Level: <input type="text"/> Transition time: <input type="text"/> | Set Level setLevel Level*: <input type="text"/> Duration: <input type="text"/> |
| Start Level Change startLevelChange Direction*: UP <input type="button" value="v"/> | Stop Level Change stopLevelChange | Update Firmware updateFirmware | |

Current States

- colorName : Sunrise
- colorTemperature : 2202
- switch : on

State Variables

- tt : {level=0A00, off=0A00, colorTemperature=0A00, on=0A00}
- ct : {current=0501, requested=0, min=2202, max=0}
- checkPhase : 5
- groups : []
- xyOnly : false
- hexLevel : {current=00, requested=00}
- lastAddress : 7B36
- skipReport : false

Preferences

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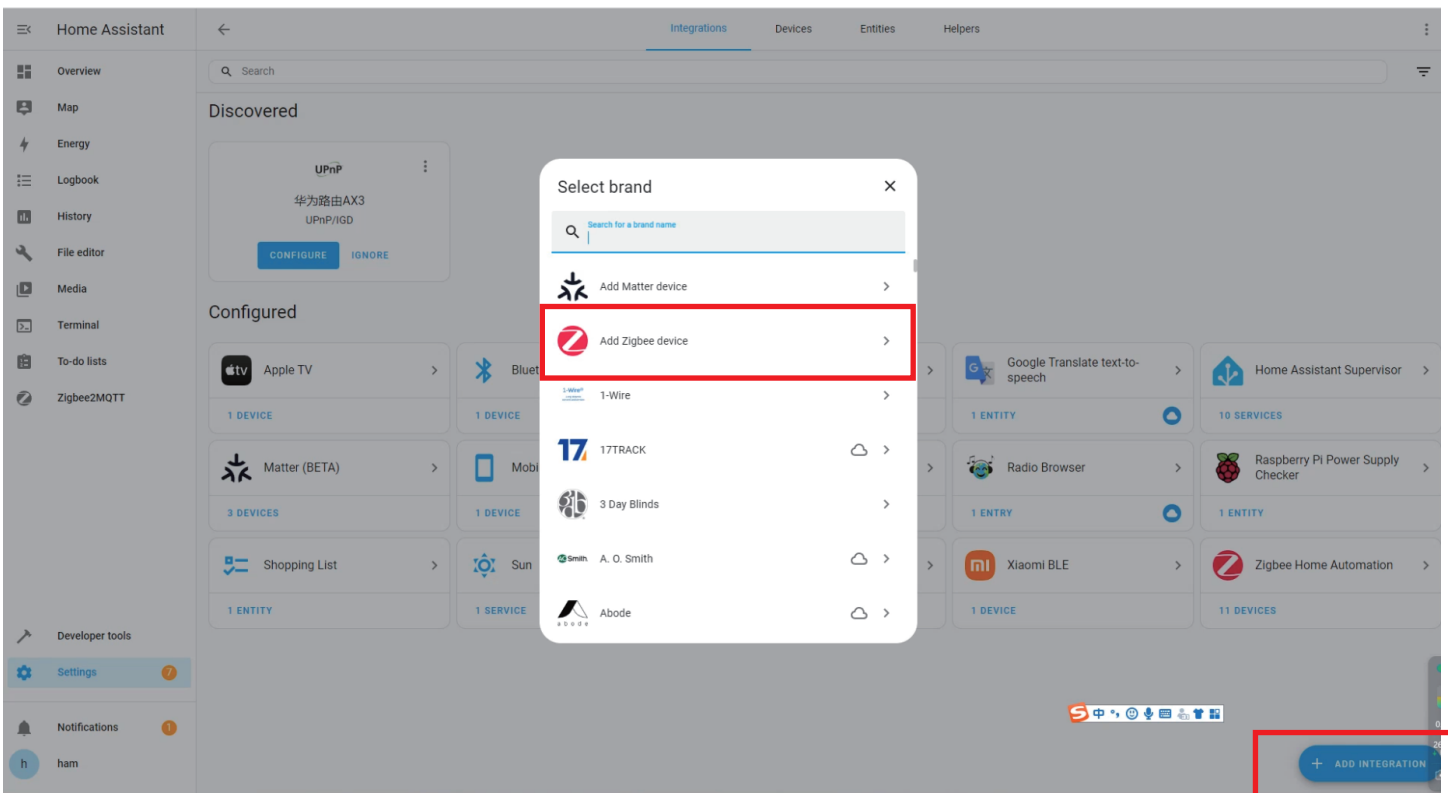
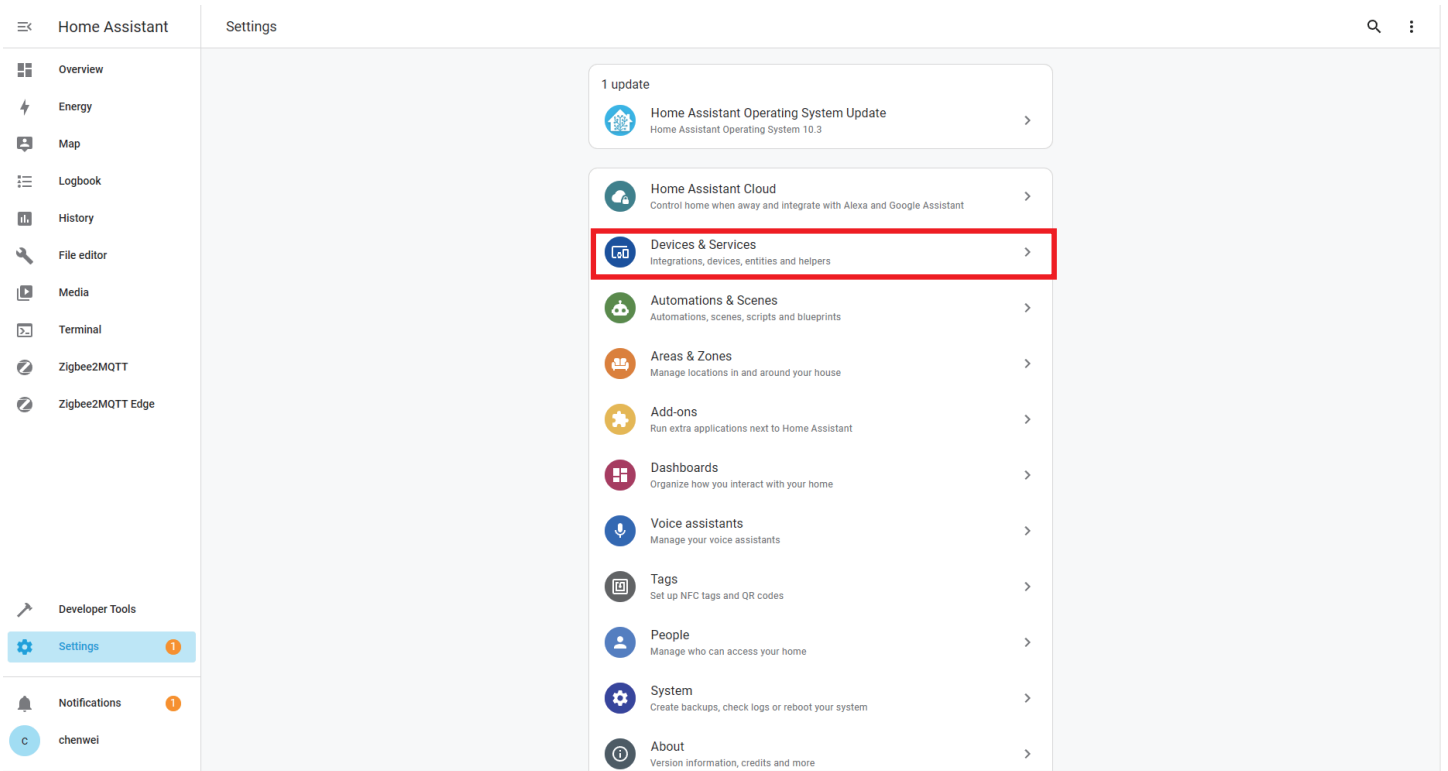
Pairing With Home Assistant

Device: Zigbee dongle



Zigbee Home Automation

1. Turn on the light bulb and confirm it's in pairing mode. The smart bulb will flash warm white, cool white, red, green, and blue within 3 seconds, then turn solid warm white, indicating it has entered Zigbee pairing mode. If this sequence doesn't occur, please factory reset the bulb to initiate pairing mode.
2. In Zigbee Home Automation, go to "Configuration" page, click "integration".
3. Then click the "Devices" on the Zigbee item, then click "Add Devices".
4. Pairing completed.
5. Back to "Devices" page to find the sensor added.
6. Click to enter in the control interface to set the bulb.
7. Click "+" belongs to Automation and add trigger and actions.



Home Assistant

Integrations **Devices** Entities Helpers

Filters Search 12 devices Group by Sort by Device

| Device | Manufacturer | Model | Area | Integration | Battery |
|----------------------------------|--------------------|-------------|-------------|------------------------|---------|
| ⊗ _TZE200_locansqn TS0601 | _TZE200_locansqn | TS0601 | - | Zigbee Home Automation | - |
| ⊗ Silicon Labs EZSP | Silicon Labs | EZSP | - | Zigbee Home Automation | - |
| ⊗ Third Reality 3RTHS0224Z | Third Reality | 3RTHS0224Z | - | Zigbee Home Automation | - |
| ⊗ Third Reality 3RTHS0224Z | Third Reality | 3RTHS0224Z | - | Zigbee Home Automation | - |
| ⊗ Third Reality, Inc 3RDS17BZ | Third Reality, Inc | 3RDS17BZ | - | Zigbee Home Automation | - |
| ⊗ Third Reality, Inc 3RDS17BZ | Third Reality, Inc | 3RDS17BZ | - | Zigbee Home Automation | - |
| ⊗ Third Reality, Inc 3RDS17BZ | Third Reality, Inc | 3RDS17BZ | - | Zigbee Home Automation | - |
| ⊗ Third Reality, Inc 3RSM0147Z | Third Reality, Inc | 3RSM0147Z | - | Zigbee Home Automation | - |
| ⊗ Third Reality, Inc 3RSP02028BZ | Third Reality, Inc | 3RSP02028BZ | - | Zigbee Home Automation | - |
| ⊗ Third Reality, Inc 3RTHS24BZ | Third Reality, Inc | 3RTHS24BZ | Living Room | Zigbee Home Automation | - |
| ⊗ Third Reality, Inc 3RVS01031Z | Third Reality, Inc | 3RVS01031Z | - | Zigbee Home Automation | - |
| ⊗ Thirdreality 3RCB01057Z | Thirdreality | 3RCB01057Z | - | Zigbee Home Automation | - |

Developer tools

Settings

Notifications ham

+ ADD DEVICE

Home Assistant Thirdreality 3RCB01057Z

Device info

3RCB01057Z by Thirdreality

Zigbee info

Zigbee Home Automation

RECONFIGURE

Controls

Light

ADD TO DASHBOARD

Logbook

September 4, 2024

Thirdreality 3RCB01057Z Light turned on 2:53:38 PM - 27 seconds ago

Automations

No automations have been added using this device yet. You can add one by clicking the + button above.

Configuration

Firmware Up-to-date

On level

On/Off transit... 0

Start-up behavior On

Start-up color t... 65535

Start-up curre...

ADD TO DASHBOARD

Diagnostic

Identify PRESS

+2 entities not shown

ADD TO DASHBOARD

Scenes

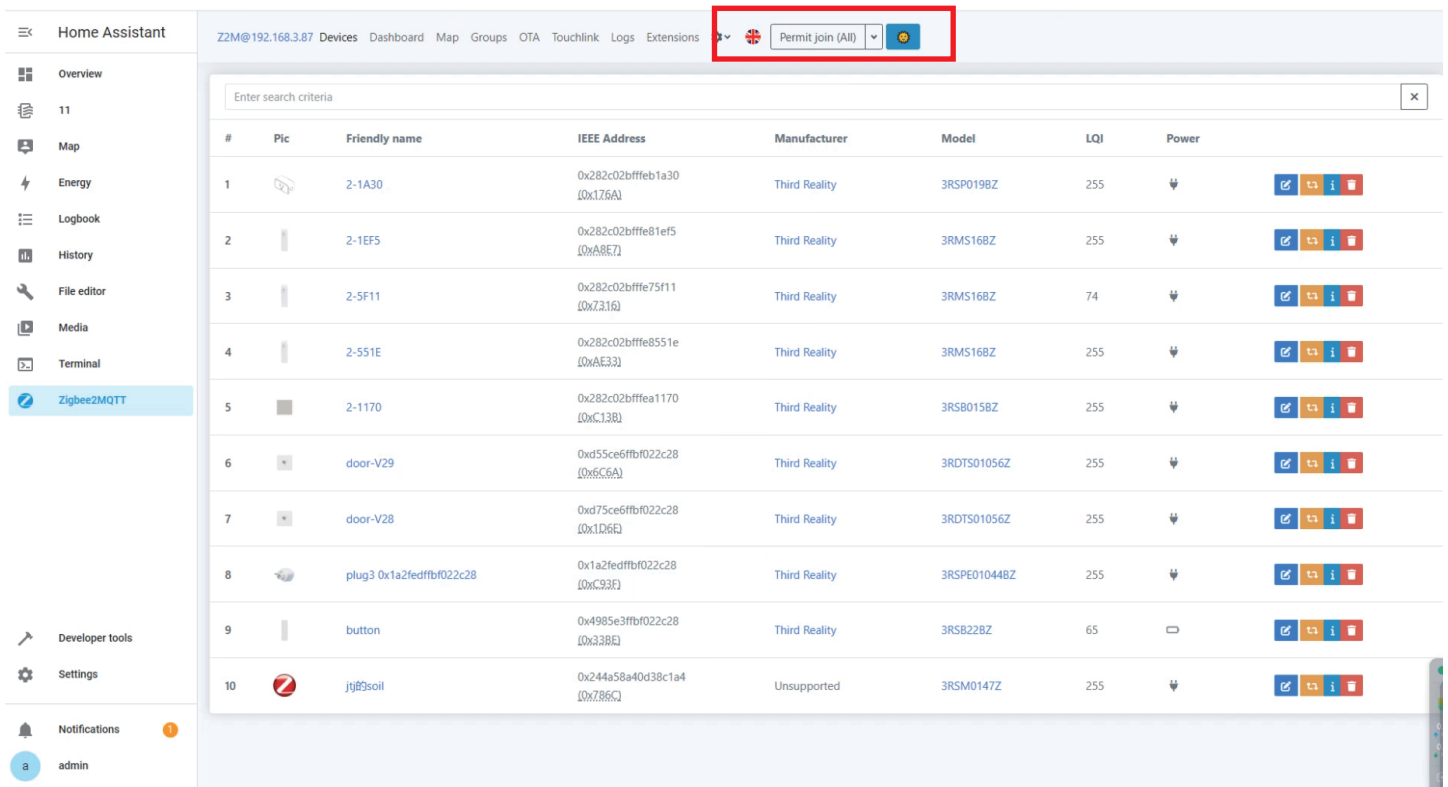
No scenes have been added using this device yet. You can add one by clicking the + button above.

Scripts

No scripts have been added using this device yet. You can add one by clicking the + button above.





















Zigbee2MQTT

1. Turn on the light bulb and confirm it's in pairing mode. The smart bulb will flash warm white, cool white, red, green, and blue within 3 seconds, then turn solid warm white, indicating it has entered Zigbee pairing mode. If this sequence doesn't occur, please factory reset the bulb to initiate pairing mode.
2. Permit join to start Zigbee pairing in Zigbee2MQTT.
3. Pairing completed, the bulb will be displayed in the device list
Go to Settings page, create automation.



The screenshot shows the Home Assistant interface with the Zigbee2MQTT extension active. The top navigation bar includes 'Home Assistant', 'Z2M@192.168.3.87', and various menu items like 'Devices', 'Dashboard', 'Map', 'Groups', 'OTA', 'Touchlink', 'Logs', and 'Extensions'. A red box highlights the 'Permit join (All)' button in the top right corner of the Zigbee2MQTT interface.

The main content area displays a table of Zigbee devices. The table has columns for '#', 'Pic', 'Friendly name', 'IEEE Address', 'Manufacturer', 'Model', 'LQI', and 'Power'. There are 10 devices listed, including various light bulbs and sensors.

| # | Pic | Friendly name | IEEE Address | Manufacturer | Model | LQI | Power | |
|----|---|-------------------------|--------------------------------|---------------|--------------|-----|-------|---|
| 1 |  | 2-1A30 | 0x282c02bffe1a30 [0x176A] | Third Reality | 3RSP019BZ | 255 | ↓ |  |
| 2 |  | 2-1EF5 | 0x282c02bffe81ef5 [0xA8E7] | Third Reality | 3RMS16BZ | 255 | ↓ |  |
| 3 |  | 2-5F11 | 0x282c02bffe75f11 [0x7316] | Third Reality | 3RMS16BZ | 74 | ↓ |  |
| 4 |  | 2-551E | 0x282c02bffe8551e [0xAE33] | Third Reality | 3RMS16BZ | 255 | ↓ |  |
| 5 |  | 2-1170 | 0x282c02bfea1170 [0xC138] | Third Reality | 3RSB015BZ | 255 | ↓ |  |
| 6 |  | door-V29 | 0xd55ce6ffb022c28 [0x6C6A] | Third Reality | 3RDTS01056Z | 255 | ↓ |  |
| 7 |  | door-V28 | 0xd75ce6ffb022c28 [0x1D6E] | Third Reality | 3RDTS01056Z | 255 | ↓ |  |
| 8 |  | plug3 0x1a2fedffb022c28 | 0x1a2fedffb022c28 [0xC93E] | Third Reality | 3RSPE01044BZ | 255 | ↓ |  |
| 9 |  | button | 0x4985e3ffb022c28 [0x338E] | Third Reality | 3RSB22BZ | 65 | □ |  |
| 10 |  | zigbee3soil | 0x244a58a40d38c1a4 [0x786C] | Unsupported | 3RSM0147Z | 255 | ↓ |  |

Home Assistant

Z2M@192.168.3.87 Devices Dashboard Map Groups OTA Touchlink Logs Extensions Permit join (All)

Enter search criteria

| # | Pic | Friendly name | IEEE Address | Manufacturer | Model | LQI | Power | |
|----|-----|-------------------------|--------------------------------|---------------|--------------|-----|-------|--|
| 1 | | 2-1A30 | 0x282c02bfff1a30 (0x176A) | Third Reality | 3RSP0198Z | 255 | ⬇ | |
| 2 | | 2-1EF5 | 0x282c02bfff81ef5 (0xA8E7) | Third Reality | 3RMS168Z | 255 | ⬇ | |
| 3 | | 2-5F11 | 0x282c02bfff75f11 (0x7316) | Third Reality | 3RMS168Z | 74 | ⬇ | |
| 4 | | 2-551E | 0x282c02bfff8551e (0xAE33) | Third Reality | 3RMS168Z | 255 | ⬇ | |
| 5 | | 2-1170 | 0x282c02bffa1170 (0xC138) | Third Reality | 3RSB0158Z | 255 | ⬇ | |
| 6 | | door-V29 | 0xd55ce6ffb022c28 (0x6C6A) | Third Reality | 3RDTS01056Z | 255 | ⬇ | |
| 7 | | door-V28 | 0xd75ce6ffb022c28 (0x1D66) | Third Reality | 3RDTS01056Z | 255 | ⬇ | |
| 8 | | plug3 0x1a2fedffb022c28 | 0x1a2fedffb022c28 (0xC93E) | Third Reality | 3RSPE010448Z | 255 | ⬇ | |
| 9 | | button | 0x4985e3ffb022c28 (0x338E) | Third Reality | 3RSB22BZ | 65 | □ | |
| 10 | | jgβsoil | 0x244a58a40d38c1a4 (0x786C) | Unsupported | 3RSM0147Z | 255 | ⬇ | |
| 11 | | 0xb40ecfd212110000 | 0xb40ecfd212110000 (0x9073) | Unsupported | 3RCB01057Z | 0 | ⬇ | |

Developer tools Settings Notifications 1 admin

Home Assistant

Z2M@192.168.3.87 Devices Dashboard Map Groups OTA Touchlink Logs Extensions Permit join (All)

0xb40ecfd212110000 ▾

About Exposes Bind Reporting Settings Settings (specific) State Clusters Scene Dev console

State OFF ON
On/off state of this light

Brightness 254
Brightness of this light

Color temp coolest cool neutral warm warmest 1000 mired
Color temperature of this light

Color temp startup coolest cool neutral warm warmest previous mired
Color temperature after cold power on of this light

Color (X/Y)
Color of this light in the CIE 1931 color space (xy)

Color (HS)
Color of this light expressed as hue/saturation

Effect
Triggers an effect on the light (e.g. make light blink for a few seconds)

Power-on behavior Controls the behavior when the device is powered on after power loss. If you get an 'UNSUPPORTED_ATTRIBUTE' error, the device does not support it.
 off on toggle previous

Linkquality 168
Link quality (signal strength)

192.168.3.87:8123/api/hassio_ingress/qs80r8DoeIXD9RWSEXb75D1Cj8TccIMWmNKUGJk/#/device/0xb4...

Important Safety Information

Before installing the Smart Bulbs, please read and follow all precautions, including:

Turn off power before installation or removal. Discontinue use if damaged.

Warning: risk of electric shock. Do not attempt to disassemble bulb.

Only use the control provided with or specified by these instructions to control this lamp. This lamp will not operate properly when connected to a standard (incandescent) dimmer or dimming control.

Suitable for use in operating environment

-4°F ~ 104°F (-20°C ~ 40°C).

Utilisez uniquement la commande fournie avec ou spécifiée par ces instructions pour commander cette lampe. Cette lampe ne fonctionnera pas correctement lorsqu' elle est raccordée à un gradateur ou à un régulateur de gradation standard (à incandescence).

Convient pour une utilisation en environnement de fonctionnement -4°F ~ 104°F (-20°C ~ 40°C).

THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS.

NE CONVIENT PAS AUX SORTIES DE SECOURS.

Indoor use only.

Customer Service:

<https://3reality.com/email-support/>

Forum: <https://discuss.3reality.com/>

FAQ: <https://thirdreality.com/faq-help-center>

FCC Regulatory Conformance

This device complies with Part 15 of the FCC Rule. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

1. Caution statement:

Modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

2. Instruction statement:

This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- *Reorient or relocate the receiving antenna.
- *Increase the separation between the equipment and the receiver
- *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- *Consult the dealer or an experienced radio/TV technician for help.

ISED RSS warning

This device complies with Innovation, Science and Economic Development Canada Compliance licence-exempt RSS standard (s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement

économique ISED applicable aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le

brouillage est susceptible d'en compromettre le fonctionnement.

FCC/ ISED Radiation Exposure Statement

This equipment should be installed and operated with minimum distance 20cm between

the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre le radiateur et votre corps.

Cet émetteur ne doit pas être co-localisés ou fonctionner en conjonction avec une autre antenne ou émetteur.