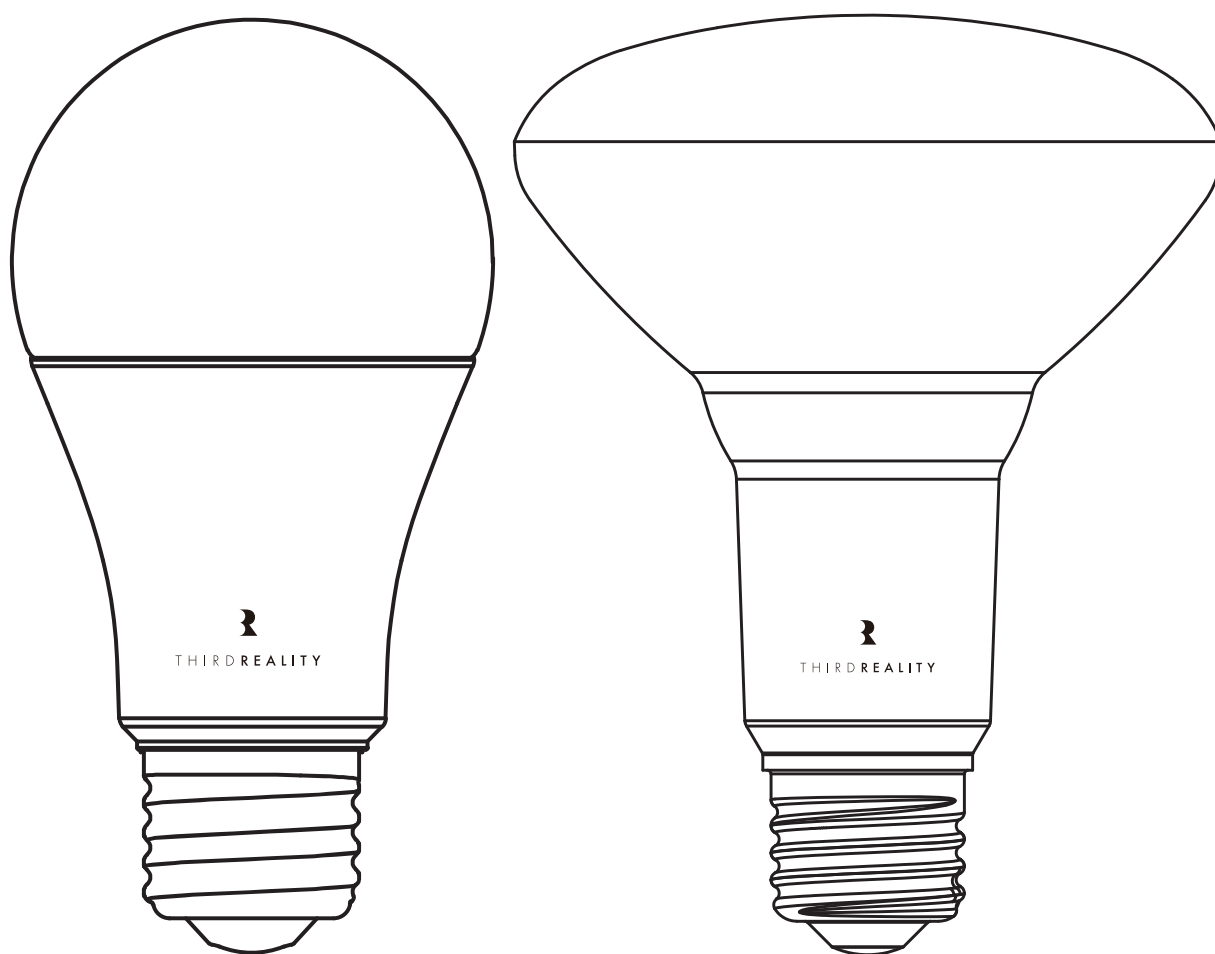


Smart Color Bulb ZL1/ZB3

User Manual



R
THIRD REALITY

Contents

Introduction	01
Factory Reset	01
Zigbee Mesh Network	02
Setup with Smart Bridge MZ1	03
Setup with Third Reality Hub and SKILL	04
Setup with Compatible Third-Party Zigbee Hubs	07
Pairing with SmartThings	09
Pairing with Amazon Alexa	10
Pairing with Hubitat	13
Pairing with Home Assistant	16
Important Safety Information	19
FCC Regulatory Conformance	24

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

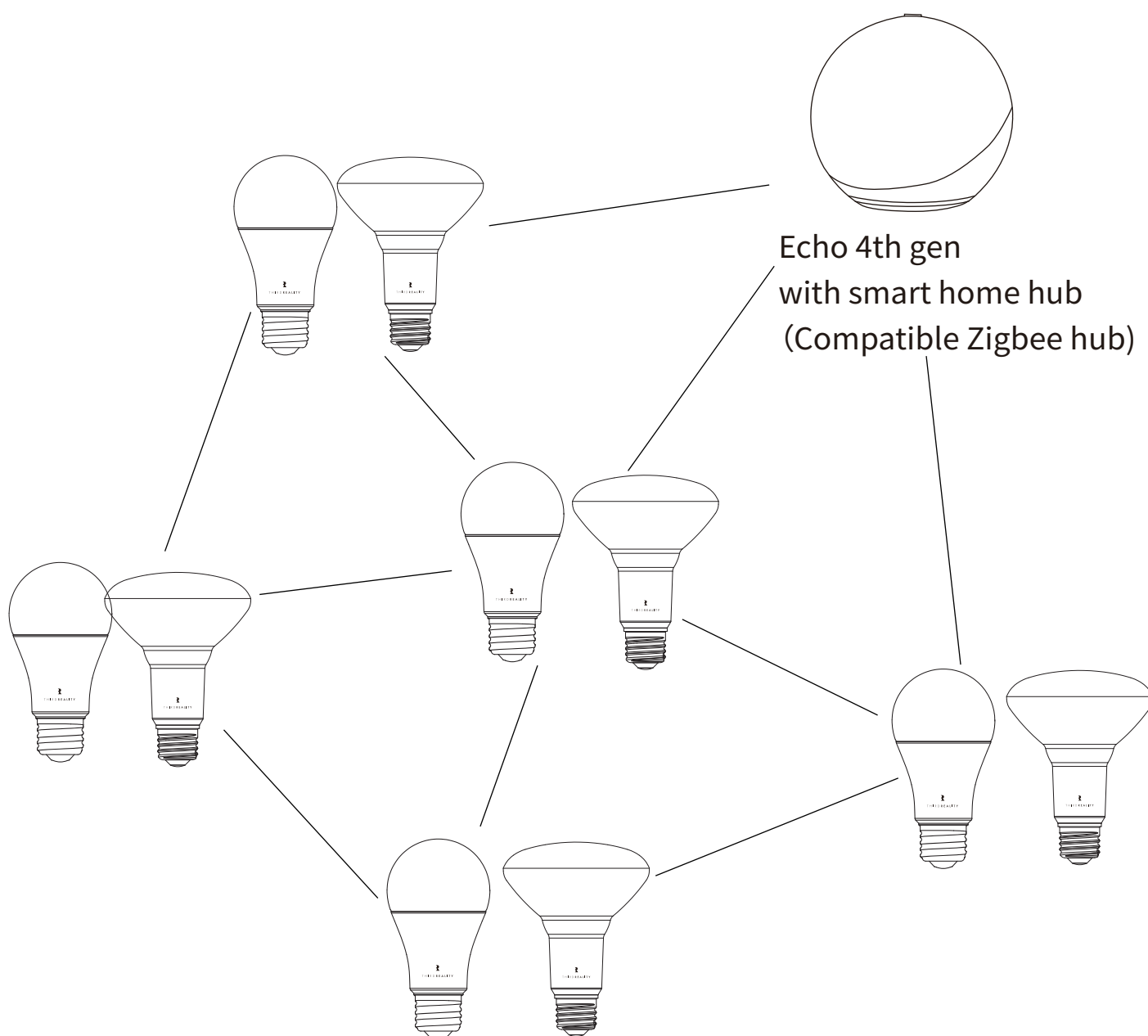
Power the smart color bulb, power cycle(power off and on) smart color bulb 5 times in a row to factory reset it, it flashes warm white - cold white - red - green - blue in a row within 3 seconds, then it turns solid warm white, indicating it enters Zigbee pairing mode. It will exit Zigbee pairing mode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

Zigbee Mesh Network

Work as a Zigbee repeater.

Extent the signal range of the Zigbee Mesh Network.

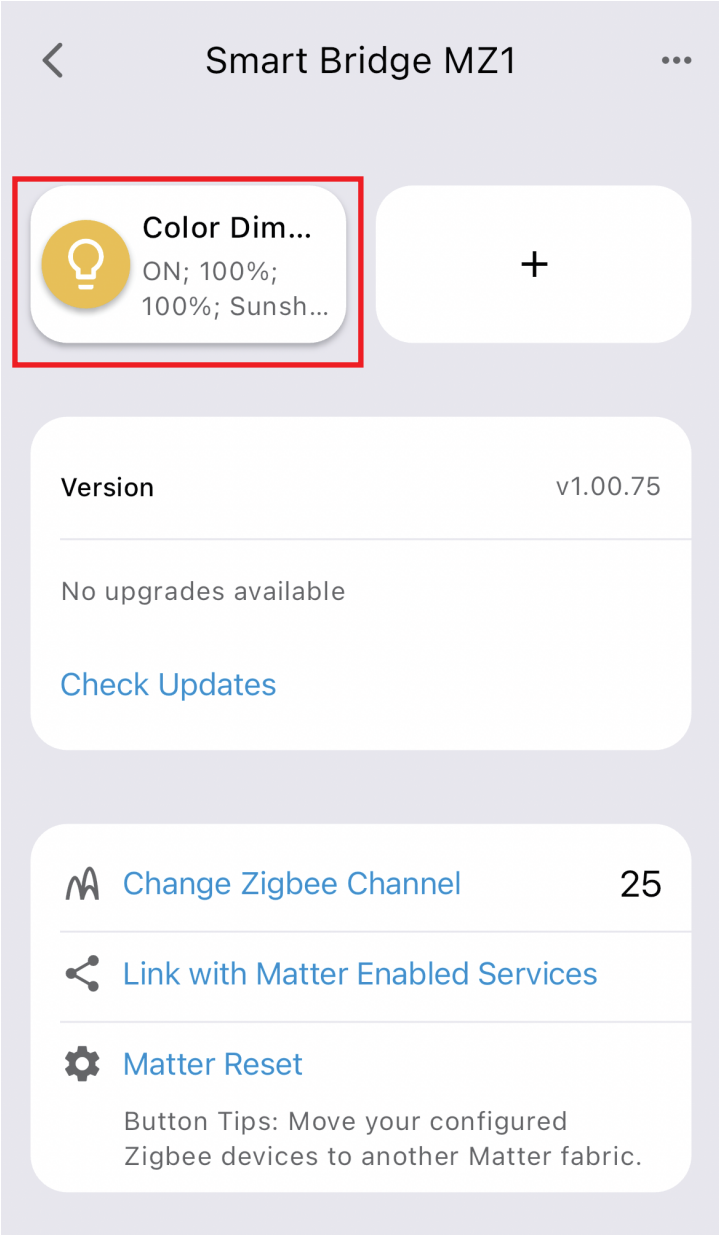
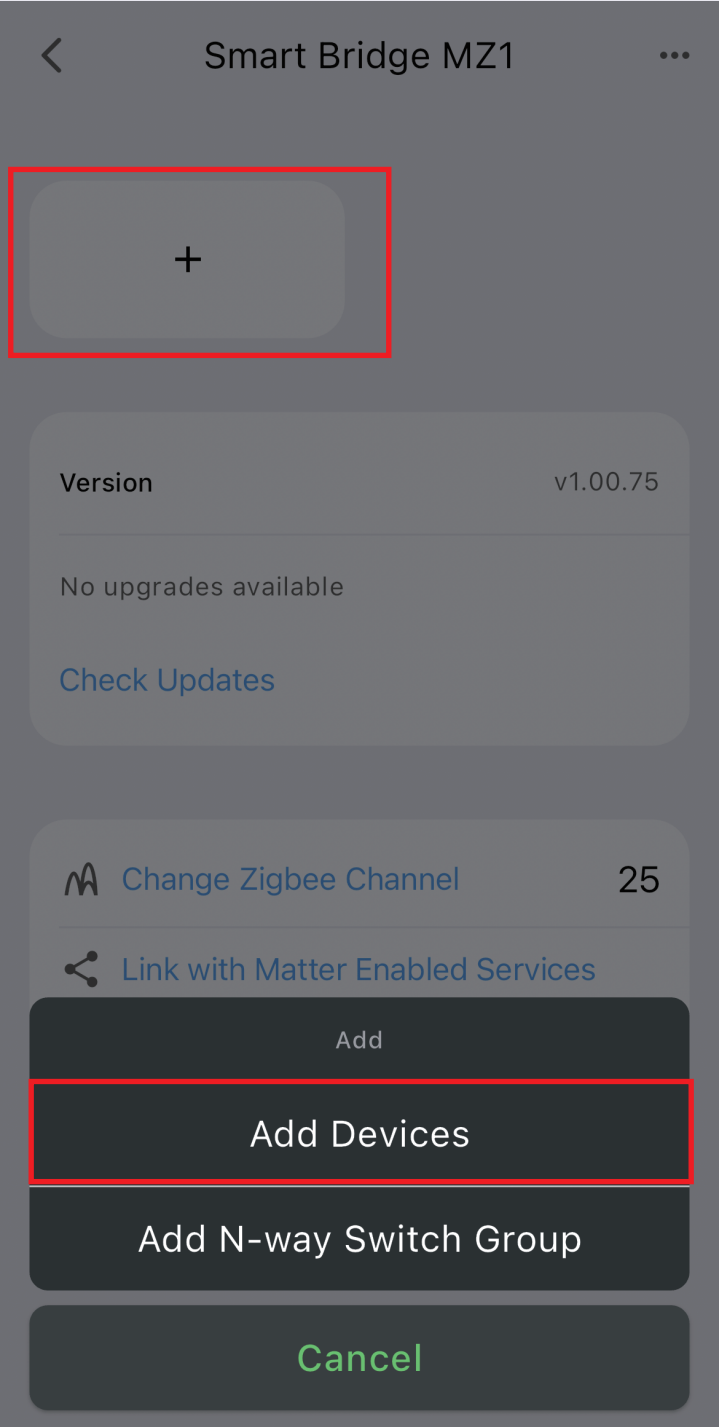
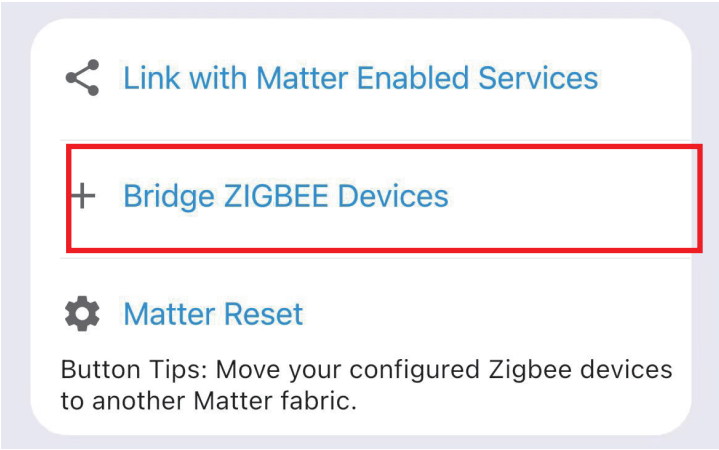
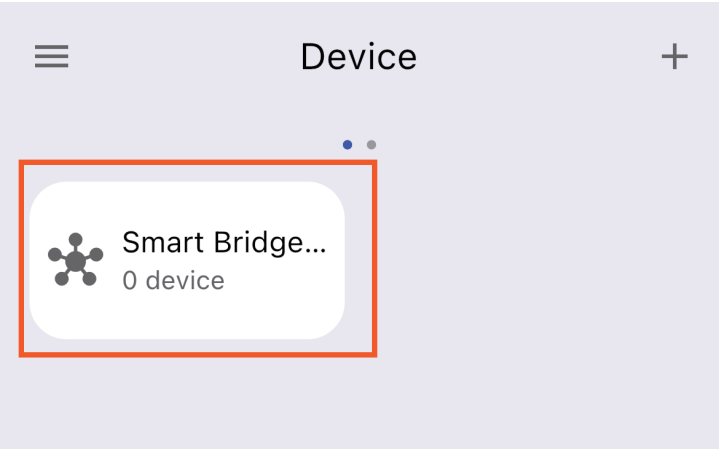
Note: Do not turn off the wall switch that controls the smart bulb, make sure the smart bulb maintains power to work as a repeater.



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.



Color Dimmable Light

ON

BRIGHTNESS 100%

COLOR TEMPERATURE 100%

COLOR Sunshade

Startup ON/OFF

OFF

ON

TOGGLE

PREVIOUS

Change Zigbee Channel25

Link with Matter Enabled Services

Matter Reset

Button Tips: Move your configured Zigbee devices to another Matter fabric.

Link with Manual Setup Code or Scan the QR Code

Effective duration: 2 minutes 54 seconds

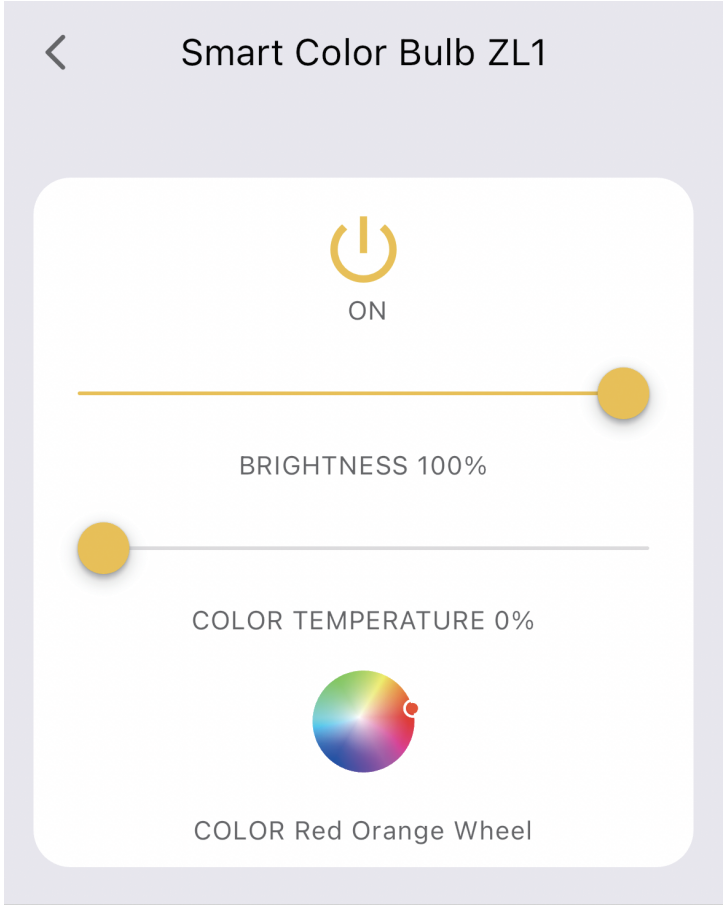
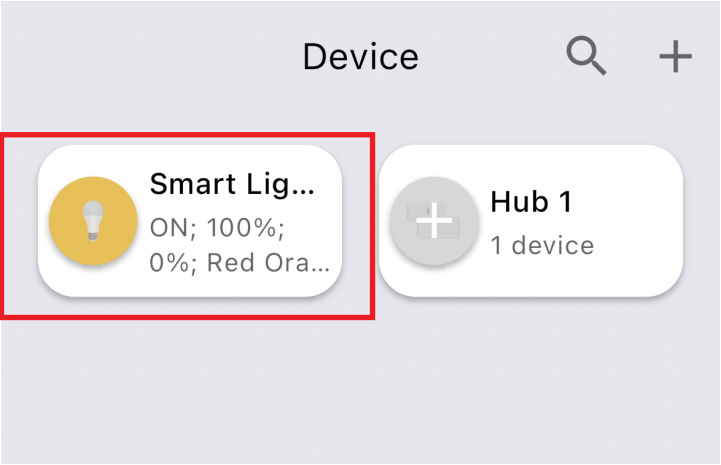
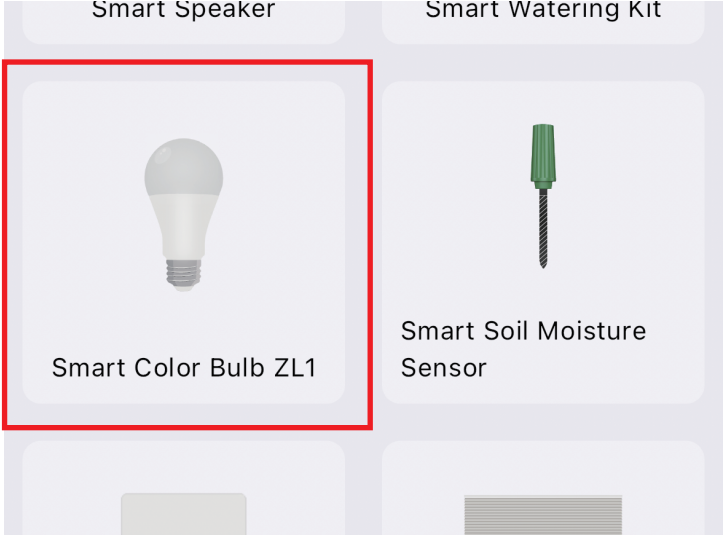
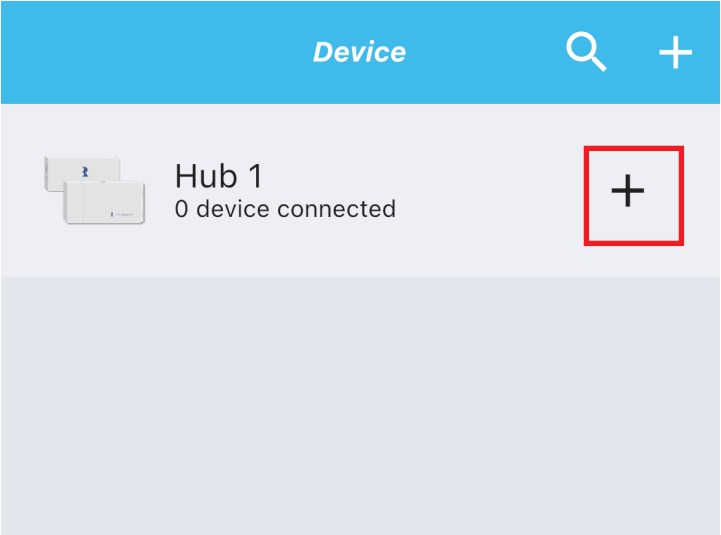
1324-192-6558

Done

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.



Name	Smart Light Bulb ZL1 1	>
Network	Connected	
Type	Smart Color Bulb ZL1	
Mac	B40ECFD212110000	

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

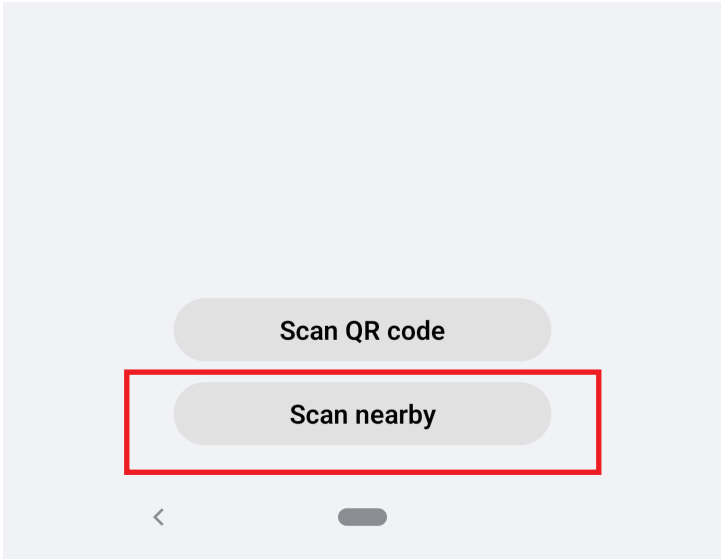
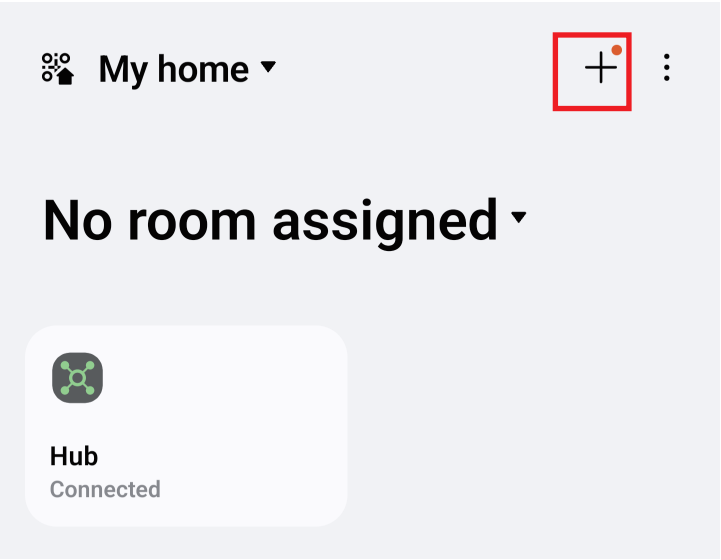
App: SmartThings App

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

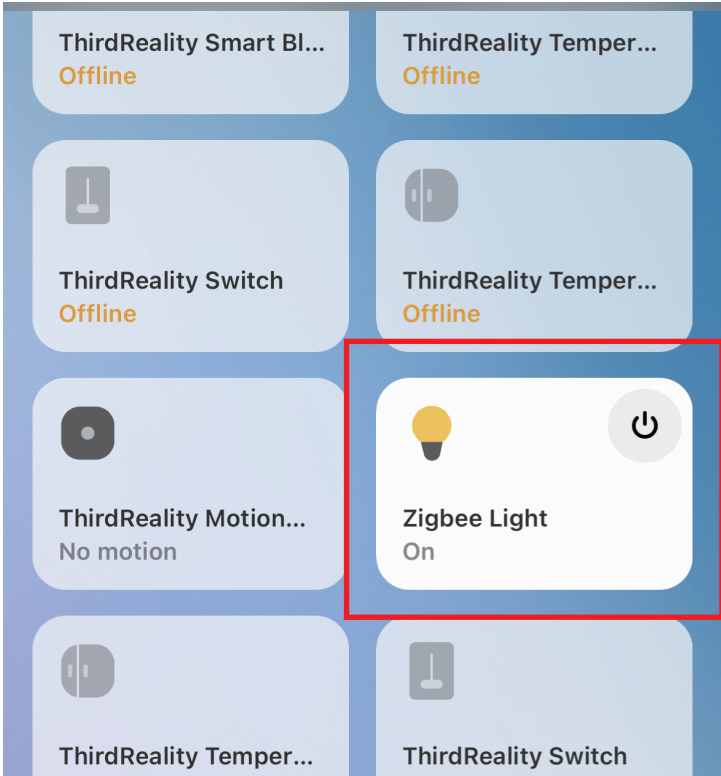
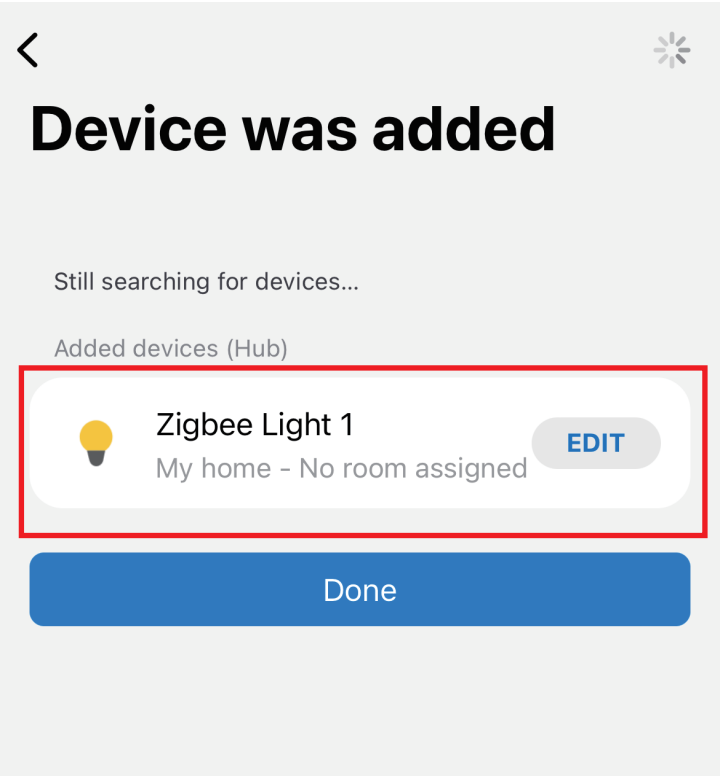


Pairing steps:

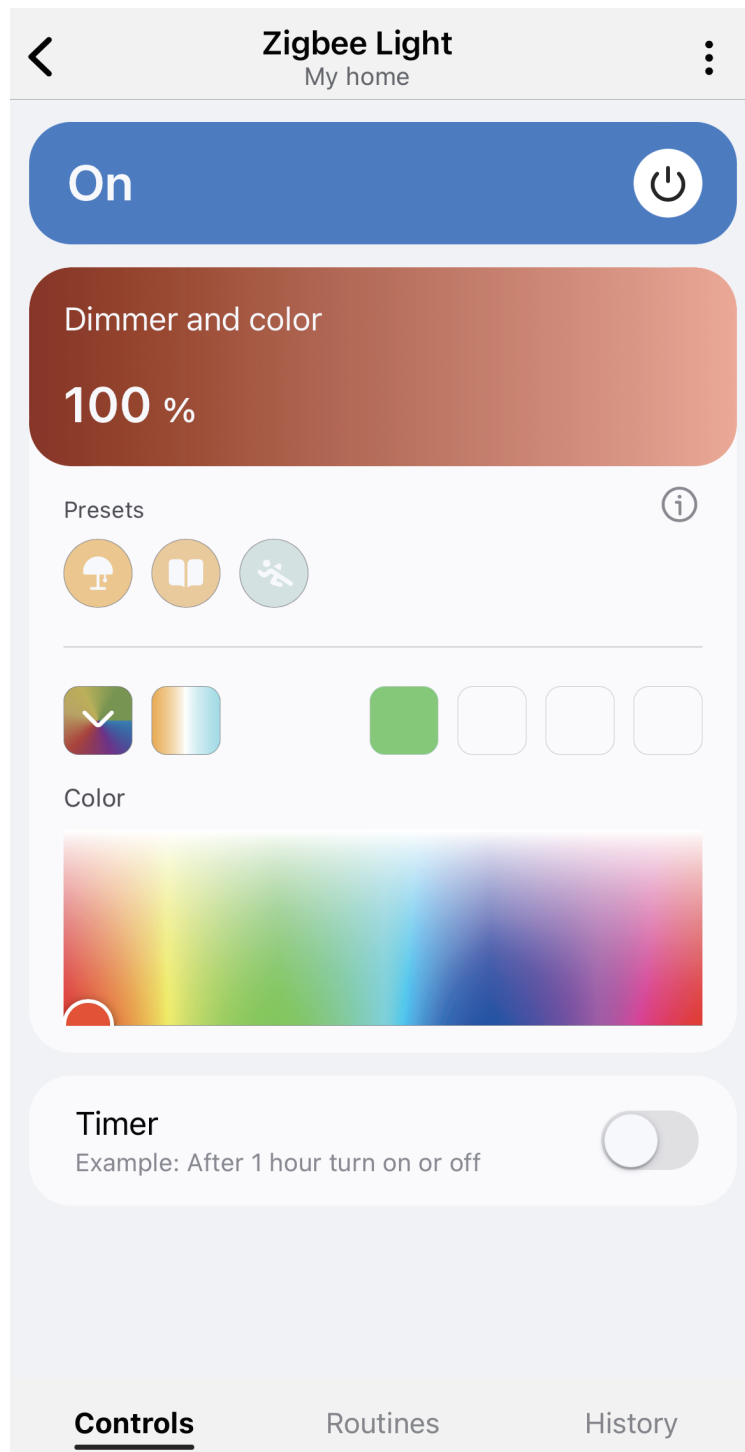
1. Before pairing, check for updates to make sure the SmartThings Hub firmware is up to date.
3. Turn on the light bulb and confirm it's in pairing mode. The smart bulb will flash warm white, cool white, red, green, and blue within 3 seconds, then turn solid warm white, indicating it has entered Zigbee 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 top 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.


<

All Devices

+



Tina's Echo
Online



Alexa on This Phone
Online

Add Device


Echo, Smart Home and Accessories

Add Group


Create rooms, device groups and larger areas

Combine speakers


Set up multi-room music, a home cinema or a stereo pair.




Smoke and CO Detector




Soap Dispenser




Water Heater




Water Leak Detector




Other






Home



Devices



More

Connect your Zigbee device to Alexa

1

Make sure your device is within 30 feet of your compatible Echo or hub.

2


Put your device into pairing mode by powering it off and on again.

3

Press Discover Devices


When you discover devices, Alexa may connect additional compatible devices in your home. You can learn about or delete these devices in device settings.

Discover Devices



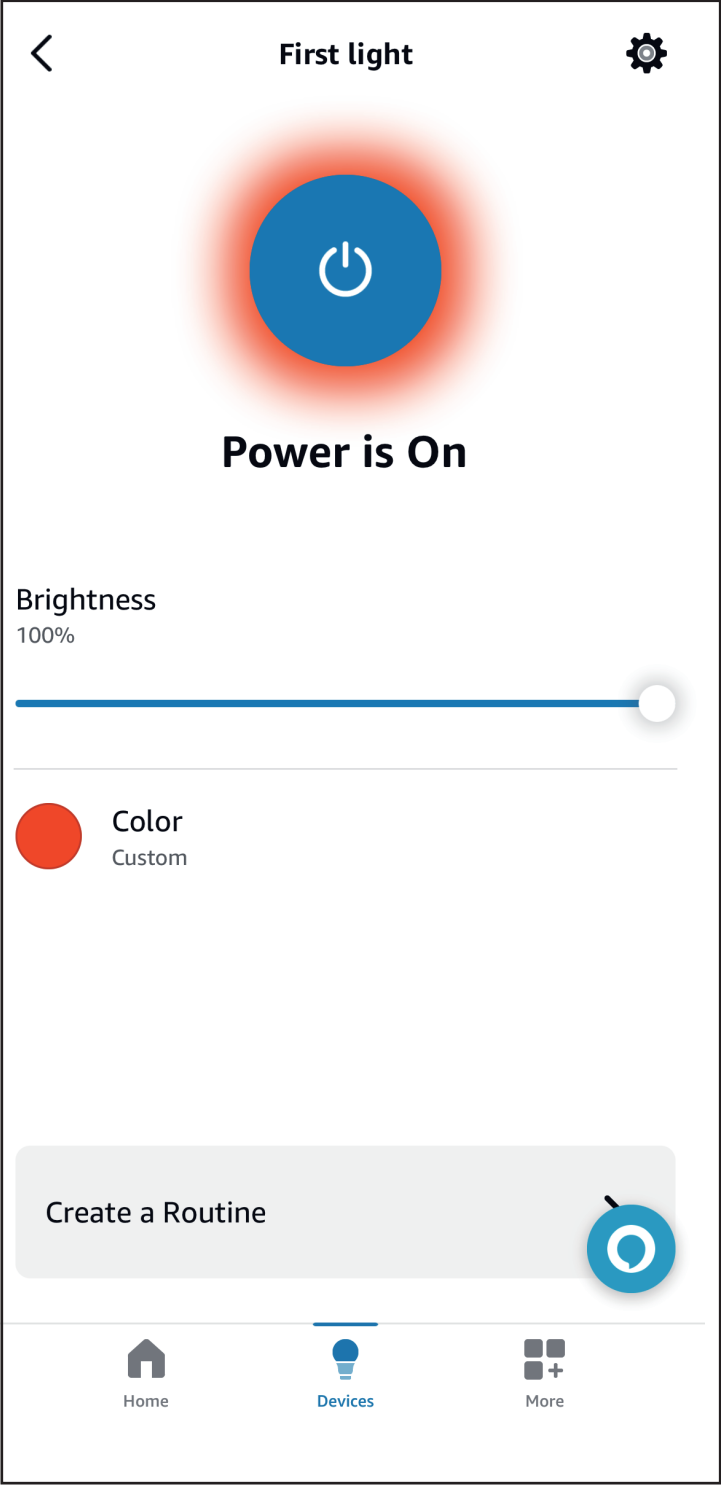
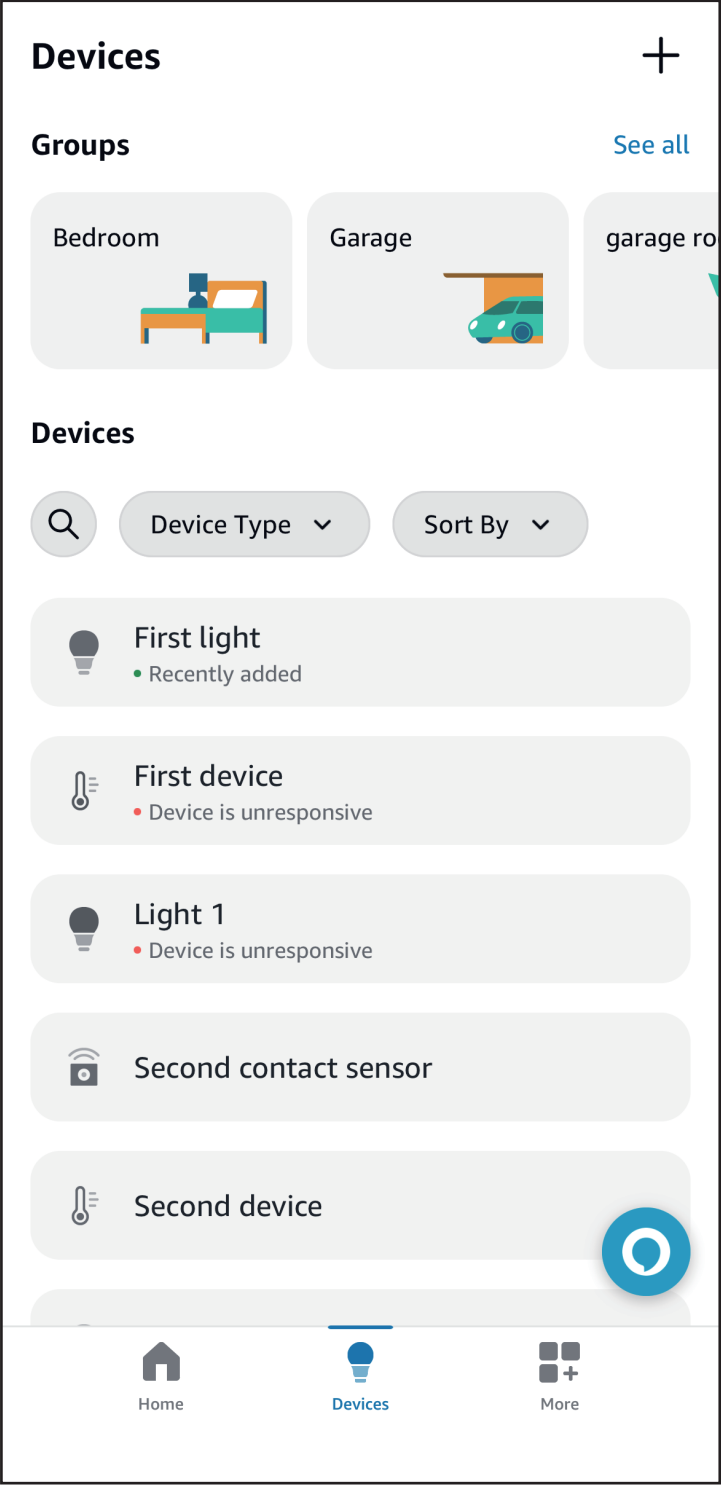
1 Other light found and connected

Your light has been added to your Alexa account. Next, we'll help you finish setting up your device.



First light is set up and ready to use

To control it, say
"Alexa, turn off First light"



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

ELEVATE YOUR ENVIRONMENT

hubitat-c7

Rooms

Devices

Dashboards

Apps

Settings

Subscriptions

Developer tools

Apps code

Drivers code

Libraries code

Bundles

Logs

Devices

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"/>	4++ (Device)	Device	huan	System	1315 282C02BFFFE909D1			
<input type="checkbox"/>	729ms (Generic Zigbee Motion Sensor (no temp))	Generic Zigbee Motion Sensor (no temp)		System	8439 282C02BFFFE6379		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 282C02BFFFE38F45		8/06/2024 13:42:54	100
<input type="checkbox"/>	Plant Watering System	Generic Zigbee Switch		System	4F31 282C02BFFFE900C0		8/27/2024 10:13:02	
<input type="checkbox"/>	Smart Soil Moisture Sensor (Device)	Generic Zigbee Temperature/Humidity Sensor		System	952B A4C138EEDB829E73			

Documentation Community Videos FAQ

Terms of Service Copyright 2018-2024 Hubitat, Inc

Hubitat

ELEVATE YOUR ENVIRONMENT

hubitat-c7

Rooms

Devices

Dashboards

Apps

Settings

Subscriptions

Developer tools

Apps code

Drivers code

Libraries code

Bundles

Logs

Add device

Find by device type

Bulbs, dimmers, locks, outlets, switches...

Find by brand

Aeotec, Bosch, Centralite, Dome, Ecolink...

Add device manually:

☒ Zigbee

☐ Z-Wave

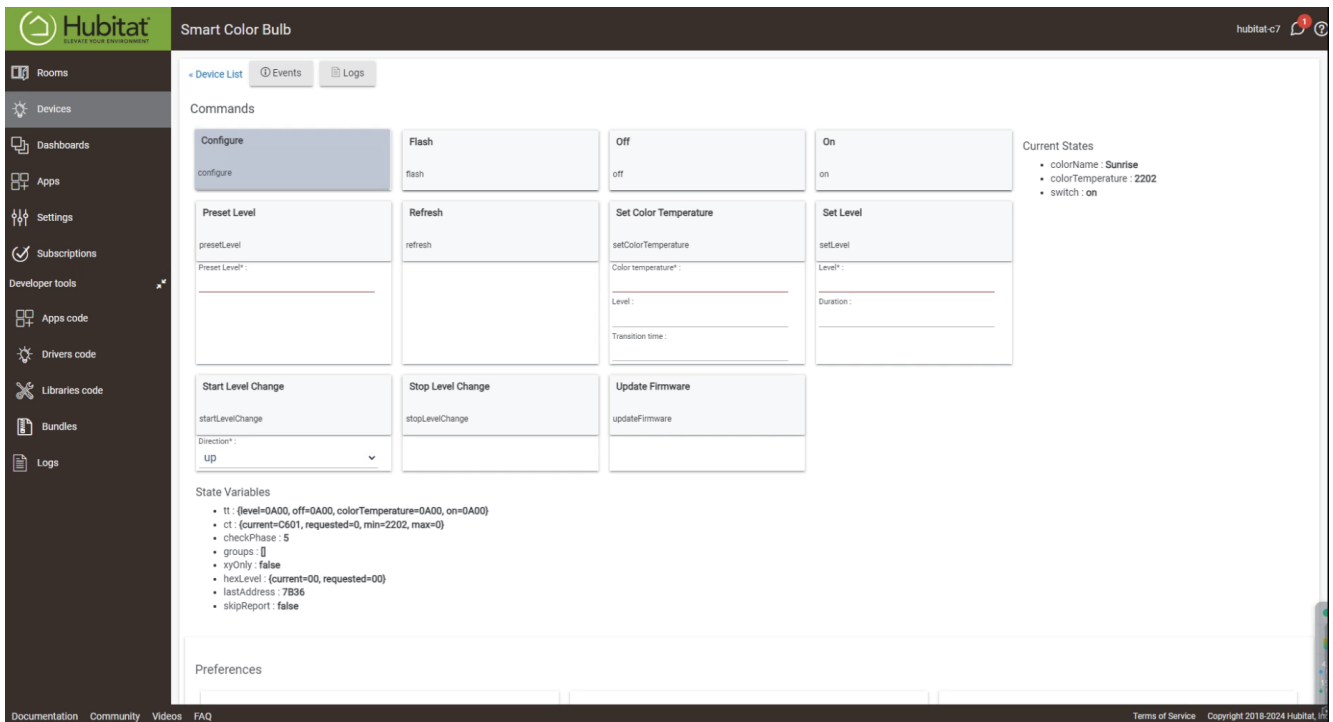
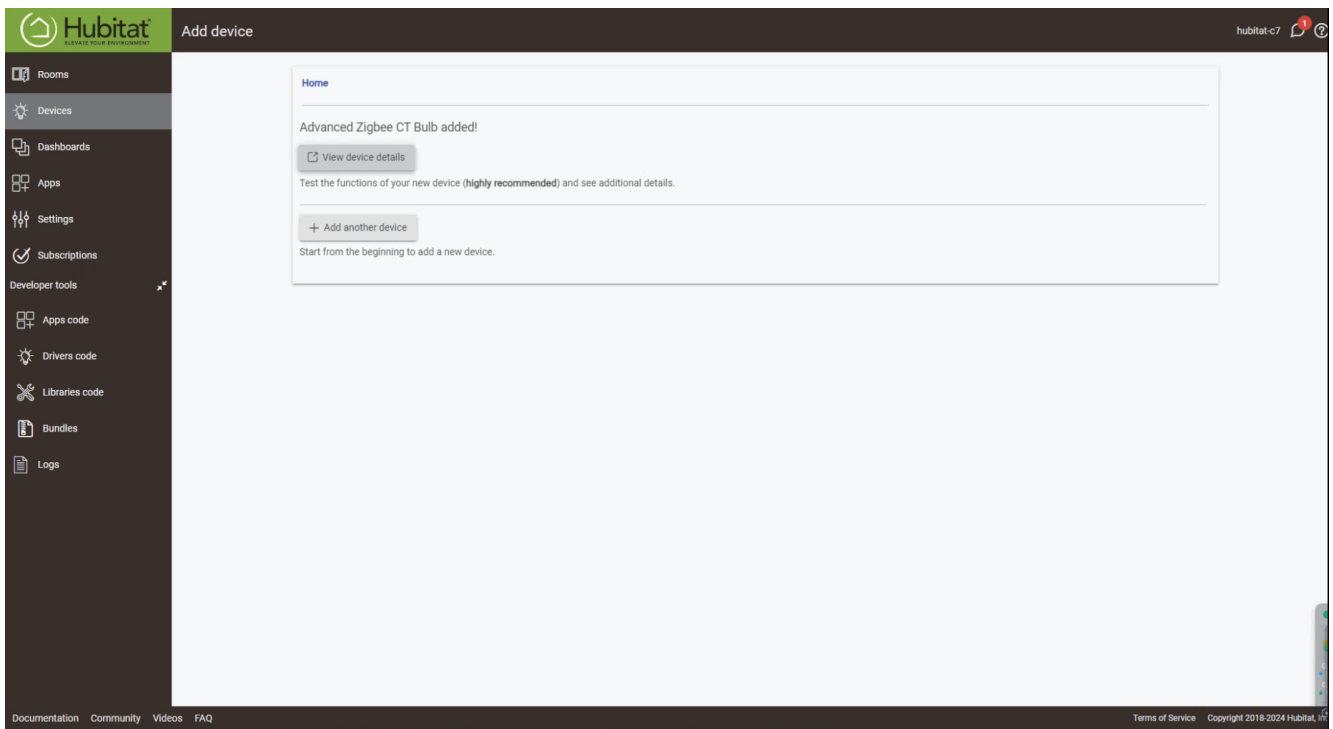
☐ Matter

☐ Iris V1 Zigbee

☐ Virtual

Documentation Community Videos FAQ

Terms of Service Copyright 2018-2024 Hubitat, Inc



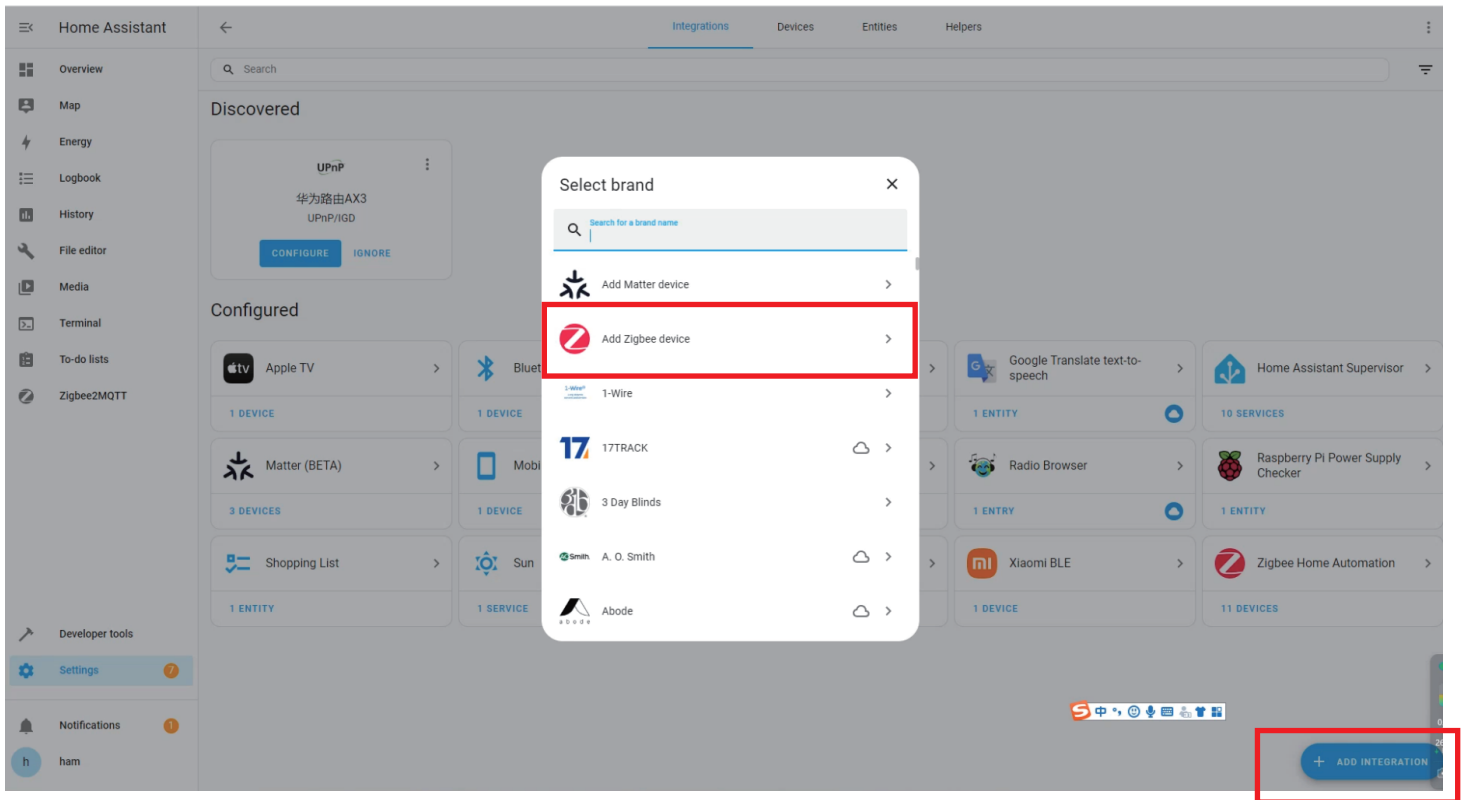
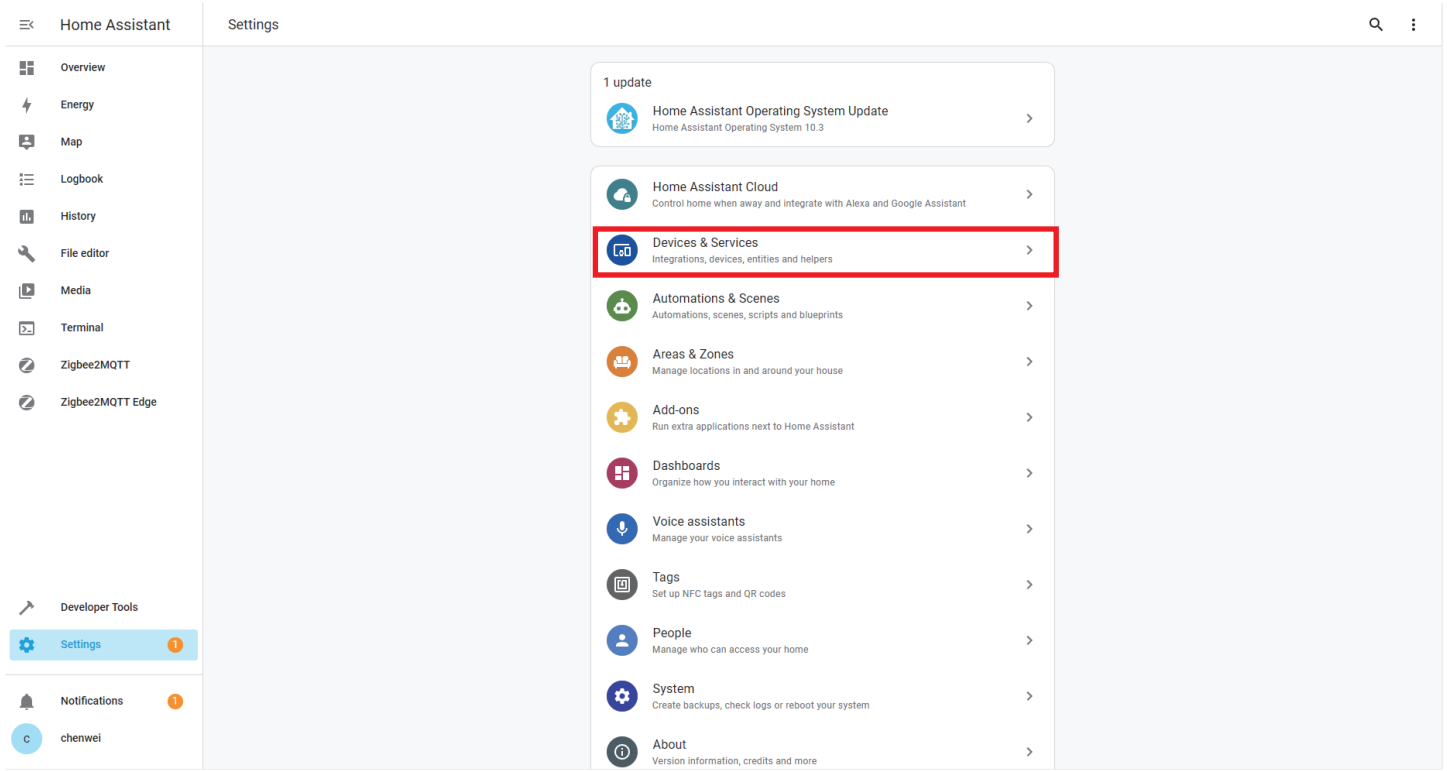
Pairing With Home Assistant

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 2

Search 12 devices

Group by

Sort by Device

Device	Manufacturer	Model	Area	Integration	Battery
_TZE200_l0cansqn TS0601	_TZE200_l0cansqn	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 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 2

Notifications 1

ham

+

ADD DEVICE

Home Assistant

← Thirdreality 3RCB01057Z

Overview

Map

Energy

Logbook

History

File editor

Media

Terminal

To-do lists

Zigbee2MQTT

Developer tools

Settings 2

Notifications 1

ham

Device info

3RCB01057Z
by Thirdreality

Zigbee info

Zigbee Home Automation

RECONFIGURE

Automations

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

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.

Controls

Light

ON

ADD TO DASHBOARD

Configuration

Firmware Up-to-date

On level

On/Off transiti...

Start-up behavior

Start-up color t...

Start-up curre...

ADD TO DASHBOARD

Diagnostic

Identify

PRESS

+2 entities not shown

ADD TO DASHBOARD

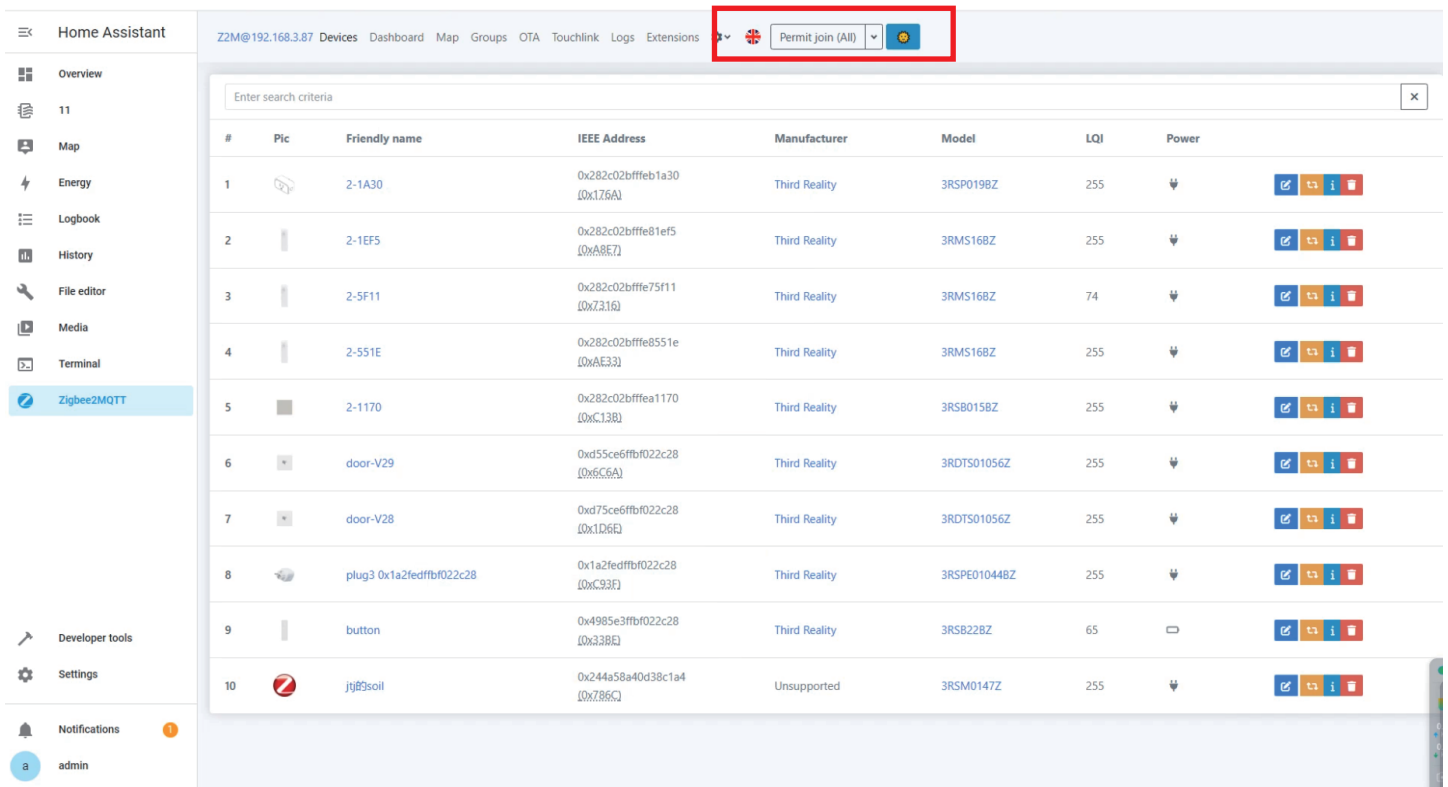
Logbook

September 4, 2024

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

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 left sidebar contains navigation options: Overview, 11, Map, Energy, Logbook, History, File editor, Media, Terminal, and Zigbee2MQTT (highlighted). Below these are Developer tools, Settings, and Notifications. The main area displays the Zigbee2MQTT device list. At the top of this list, there is a search bar and a 'Permit join (All)' button, which is highlighted with a red box. The device list table has columns for #, Pic, Friendly name, IEEE Address, Manufacturer, Model, LQI, and Power. It contains 10 entries, including various bulbs, door sensors, and a button.

#	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	0x282c02bffe1170 (0xC138)	Third Reality	3RS015BZ	255	⬇
6		door-V29	0xd55ce6ffb022c28 (0x6C6A)	Third Reality	3RDT01056Z	255	⬇
7		door-V28	0xd75ce6ffb022c28 (0x1D6E)	Third Reality	3RDT01056Z	255	⬇
8		plug3 0x1a2fedffb022c28	0x1a2fedffb022c28 (0xC93F)	Third Reality	3RSPE01044BZ	255	⬇
9		button	0x4985e3ffb022c28 (0x338E)	Third Reality	3RS822BZ	65	□
10		jtg9soil	0x244a58a40d38c1a4 (0x786C)	Unsupported	3RSM0147Z	255	⬇

Home Assistant

Overview

11

Map

Energy

Logbook

History

File editor

Media

Terminal

Zigbee2MQTT

Developer tools

Settings

Notifications

admin

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	0x282c02bffe1a30 (0x176A)	Third Reality	3RSP0198Z	255	⬇	
2		2-1EF5	0x282c02bffe81ef5 (0xA8E7)	Third Reality	3RMS168Z	255	⬇	
3		2-5F11	0x282c02bffe75f11 (0x7316)	Third Reality	3RMS168Z	74	⬇	
4		2-551E	0x282c02bffe8551e (0xAE33)	Third Reality	3RMS168Z	255	⬇	
5		2-1170	0x282c02bffe1170 (0xC138)	Third Reality	3RSB0158Z	255	⬇	
6		door-V29	0xd55ce6ffb022c28 (0x6C6A)	Third Reality	3RDT01056Z	255	⬇	
7		door-V28	0xd75ce6ffb022c28 (0x1D6F)	Third Reality	3RDT01056Z	255	⬇	
8		plug3 0x1a2fedfbf022c28	0x1a2fedfbf022c28 (0xC93F)	Third Reality	3RSP010448Z	255	⬇	
9		button	0x4985e3ffb022c28 (0x338E)	Third Reality	3RSB228Z	65	⬇	
10		jij3soil	0x244a58a40d38c1a4 (0x786C)	Unsupported	3RSM0147Z	255	⬇	
11		0xb40ecfd212110000	0xb40ecfd212110000 (0x9073)	Unsupported	3RCB01057Z	0	⬇	

Home Assistant

Overview

11

Map

Energy

Logbook

History

File editor

Media

Terminal

Zigbee2MQTT

Developer tools

Settings

Notifications

admin

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

On/off state of this light

OFF

☒

ON

Brightness

Brightness of this light

254

Color temp

Color temperature of this light

coolest

cool

neutral

warm

warmest

1000

mired

Color temp startup

Color temperature after cold power on of this light

coolest

cool

neutral

warm

warmest

previous

mired

Color (X/Y)

Color of this light in the CIE 1931 color space (x/y)

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

Link quality (signal strength)

168

192.168.3.87:8123/api/hassio_ingress/qs80r8DoeIXD9RWSCeXbJ75D1Cj8TccIMWmNkUGJk/#/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://3reality.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.