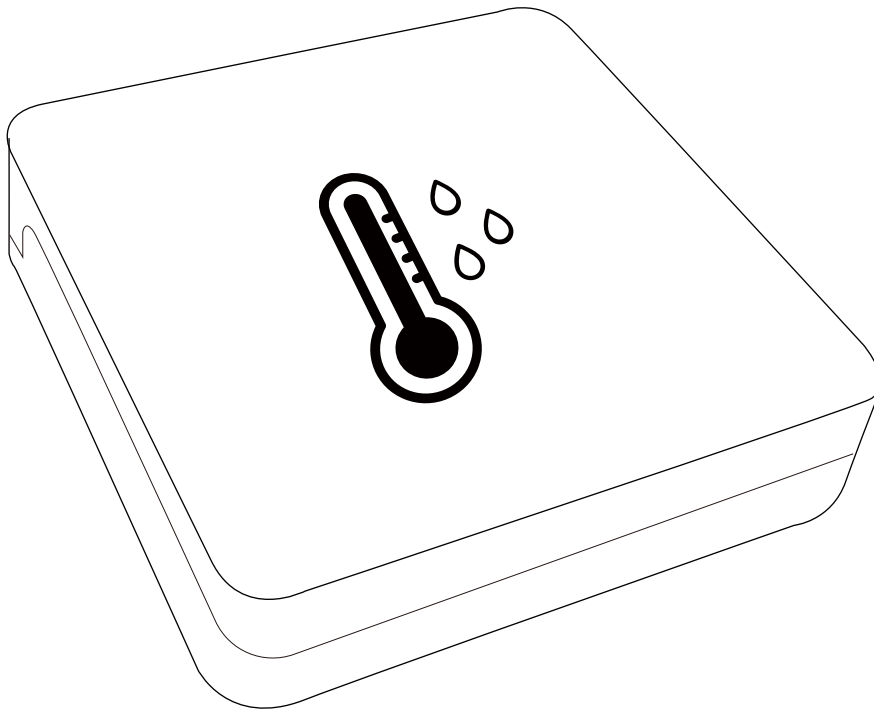


Temperature and Humidity Sensor Lite

Quick Start Guide

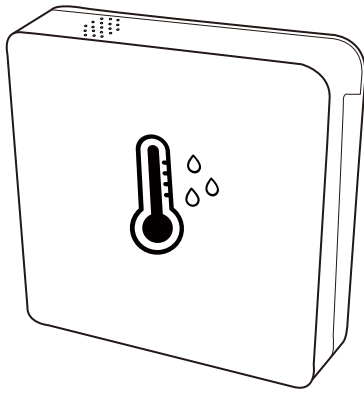


THIRD REALITY

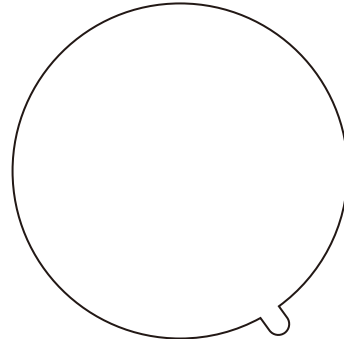
Contents

What's in the Box	01
Introduction	02
Specification	02
Setup	03
Pairing with ThirdReality	04
Pairing with 3R-Installer	06
Pairing with Amazon Echo	08
Pairing with SmartThings	13
Pairing with Hubitat	15
Pairing with Home Assistant	18
FCC Regulatory Conformance	23
RF Exposure	24
Limited Warranty	24

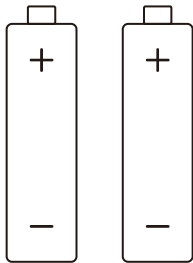
What's in the Box



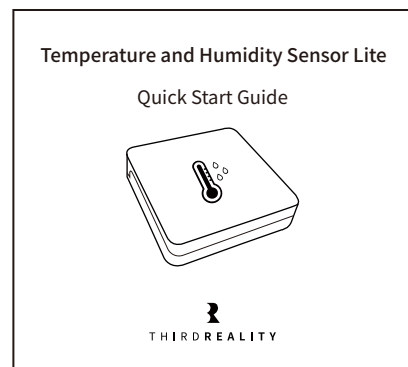
Temperature and Humidity
Sensor Lite



3M adhesive



AAA Battery (included)



User Guide

Introduction

We are thrilled to introduce a new generation of Zigbee Temperature and Humidity Sensor, a new LCD-Free design to enhance your living space with seamless connectivity, energy efficiency, and precise environmental monitoring.

Enjoy battery-powered convenience, reliable and efficient communication, ensuring a seamless integration into your smart home ecosystem.

Specifications

Name	Temperature and Humidity Sensor Lite
Model	3RTHS0224Z
Dimensions	5.56cm×5.59cm ×1.23cm
Operating Voltage	DC 3V
Battery Type	AAA battery × 2 (included)
Wireless Connectivity	Zigbee 3.0
Working condition	Indoor Use Only
Temperature Range	-10°C~50°C (14°F~122°F)
Humidity Range	0-95%
Temperature Accuracy	±1°C
Humidity Accuracy	±2%

Setup

1. Make sure the device has power by inserting a new battery.
Press and hold the reset button for 5 seconds until the LED turns red and then flashes in blue, indicate it enters pairing mode.
2. Follow the instructions of your Zigbee hub to pair the sensor.
Note: If not successfully paired to the Zigbee hub within 3 min, the sensor will exit pairing mode. To enter pairing mode again, press the reset button until the LED turns red and release. The LED turns blue and flashes, indicating that it is in pairing mode.

Pairing with ThirdReality

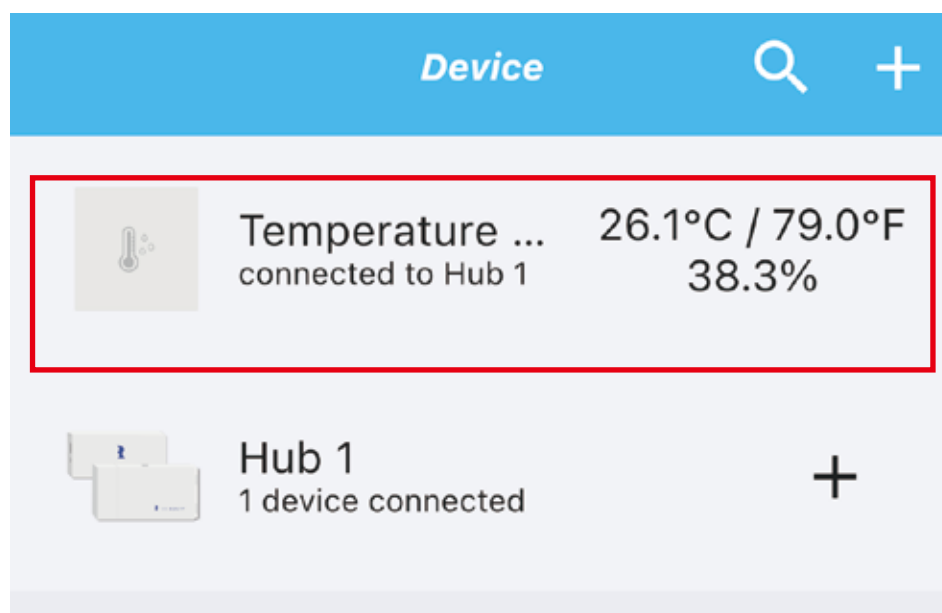
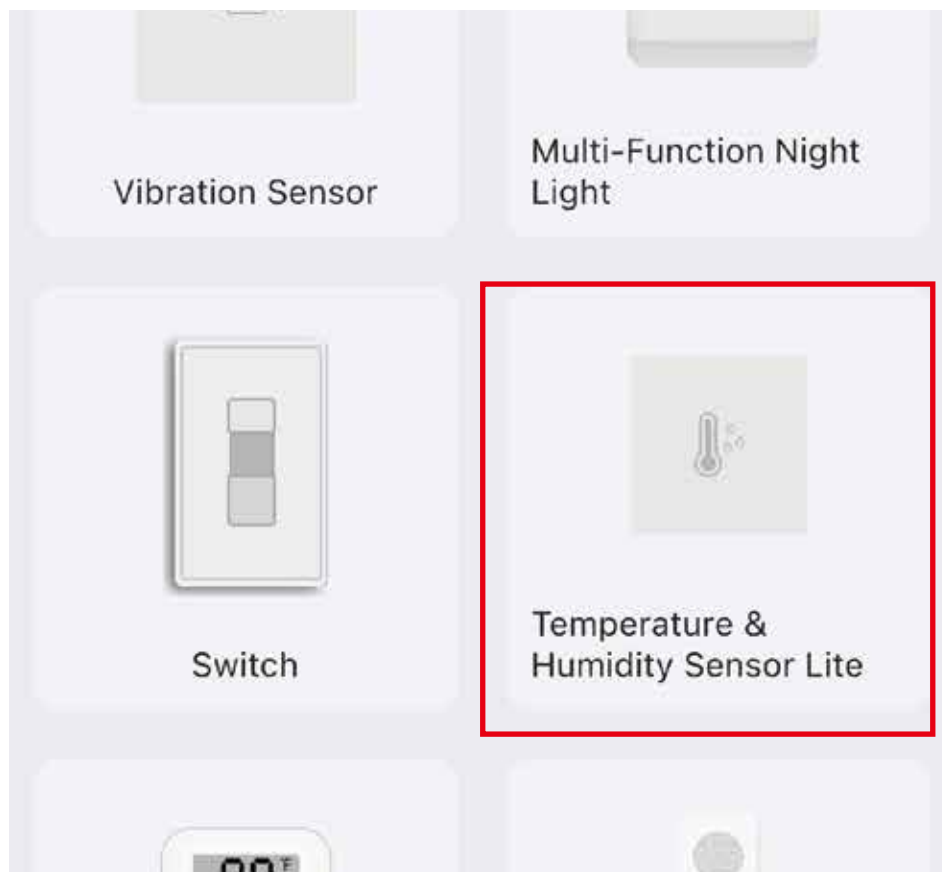
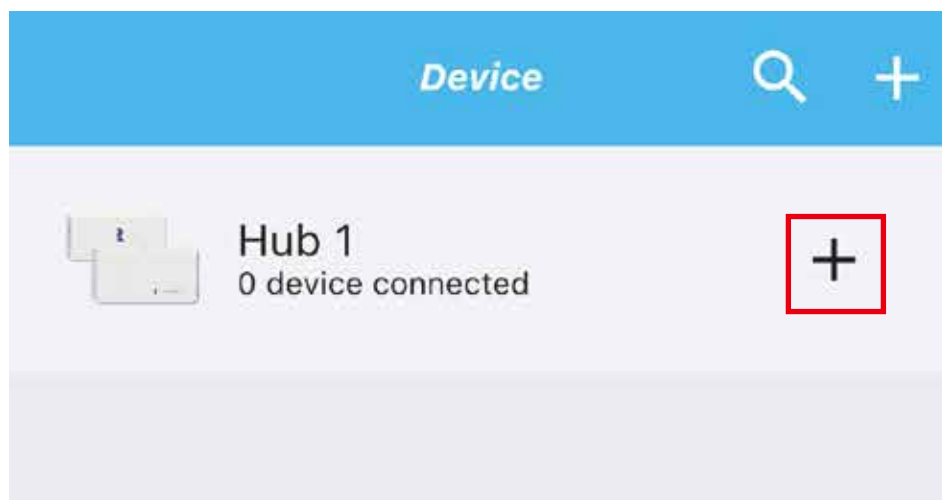
App: Third Reality App

Device: ThirdReality Smart Hub



Pairing steps:

1. Register and sign in your ThirdReality account, set up your ThirdReality smart hub, make sure both the Third Reality app and the smart hub's firmware are in the latest version.
2. Push to open the back cover of the sensor and install the batteries.
3. Press the reset button until the LED turns red and release. The LED turns blue and flashes, indicating that it is in pairing mode. It will exit pairing mode after 3 min if not paired.
4. Tap "+" in the top right in the Third Reality App, follow the on-screen instructions to add device.



Pairing with 3R-Installer

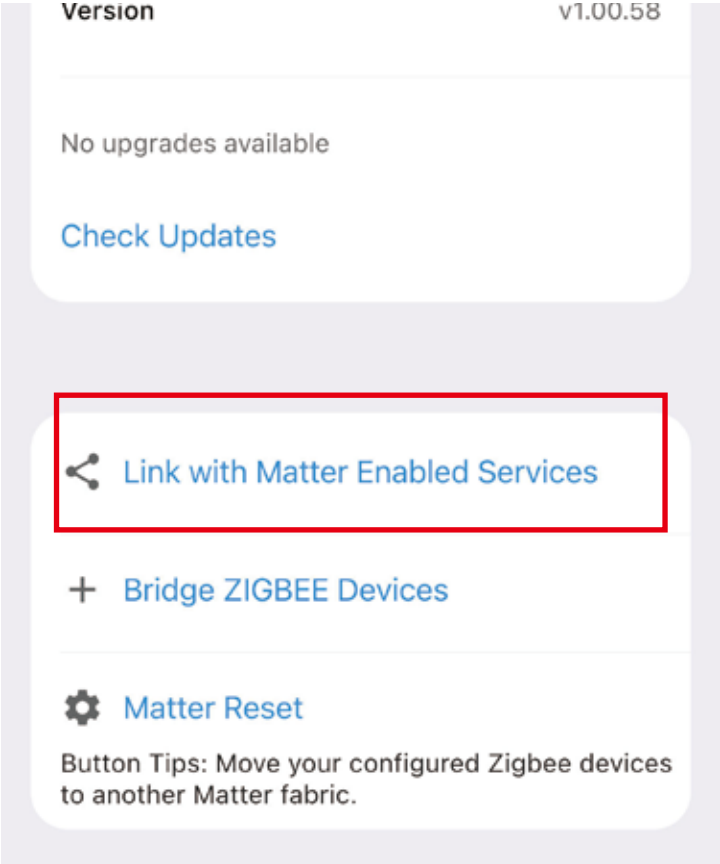
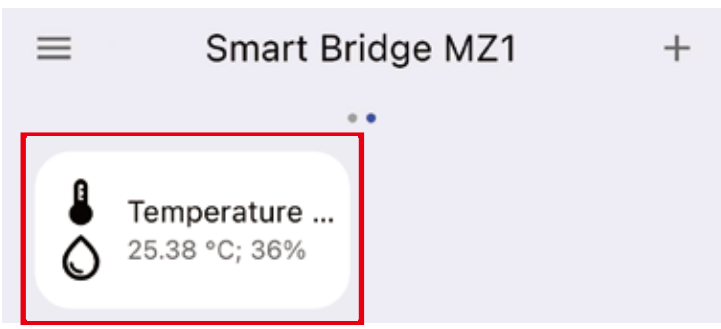
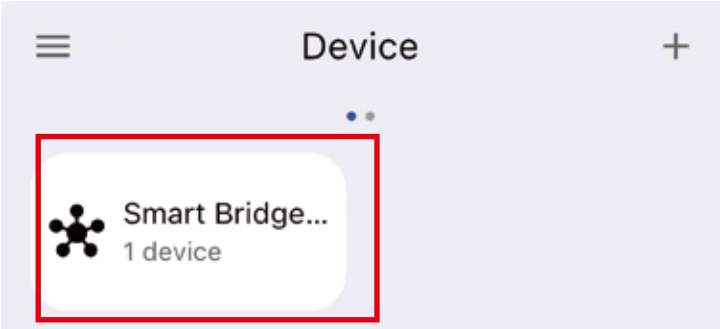
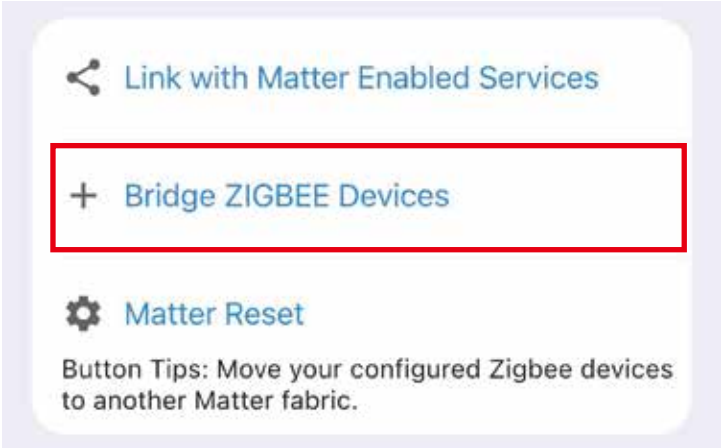
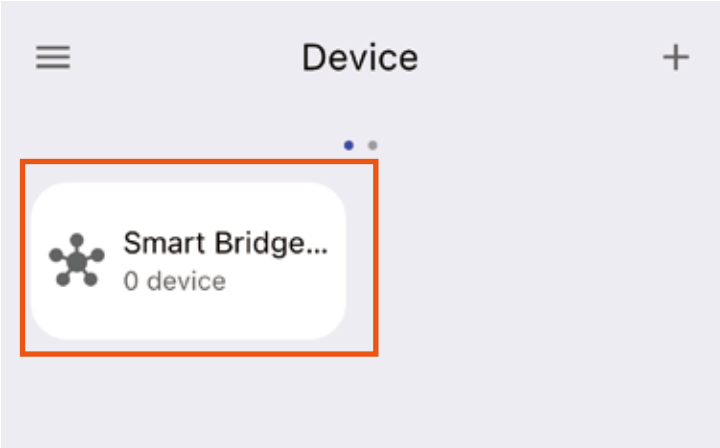
App: 3R-Installer App

Device: Smart Bridge MZ1



Pairing steps:

1. Set up your smart bridge, make sure both the 3R-Installer App and the smart bridge's firmware are in the latest version.
2. Push to open the back cover of the sensor and install the batteries.
3. Press the reset button until the LED turns red and release. The LED turns blue and flashes, indicating that it is in pairing mode. It will exit pairing mode after 3 min if not paired.
4. Tap the smart bridge icon to enter the devices page, tap "+ Bridge ZIGBEE Devices" to start Zigbee pairing, follow the on-screen instructions to add device.
5. Tab Link With Matter Enabled Services, copy the Manual Setup Code or Scan the QR Code within 3 min, then you can add the bridge to other Matter supported ecosystems through multi-admin.



Pairing with Amazon Echo

App: Amazon Alexa

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



Pairing steps:


Direct Pairing:

1. Ask Alexa to check for updates before pairing.
2. Install the batteries. Press the reset button until the LED turns red and release. The LED turns blue and flashes, indicating that it is in pairing mode. It will exit Zigbee pairing mode after 3 min if not paired.
3. Tap "+" in the Alexa App, choose "Other" and "Zigbee" to add device, the Temperature and Humidity Sensor Lite will be added.
4. Create routines to control other connected devices.

<


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 temperature sensor found and connected

Your temperature sensor has been added to your Alexa account. Next, continue setting up your device.

Set Up Device


Devices

+


Groups

See all


Bedroom




Garage



Kitchen



Devices




Device Type

▼

Sort By

▼




Second device

• Recently added

09

<


Second device



76.7


Current temperature

Create a Routine



<

Settings



Second device

Edit Name

About

Connected Via

Tina's Echo


Description

Third Reality smart device

Type

Temperature sensor


Enabled




When temperature changes 2

Rename

WHEN



When Second device detects temperature above 25 °C



Anytime

Change

Pairing with Amazon Echo

App: Amazon Alexa

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



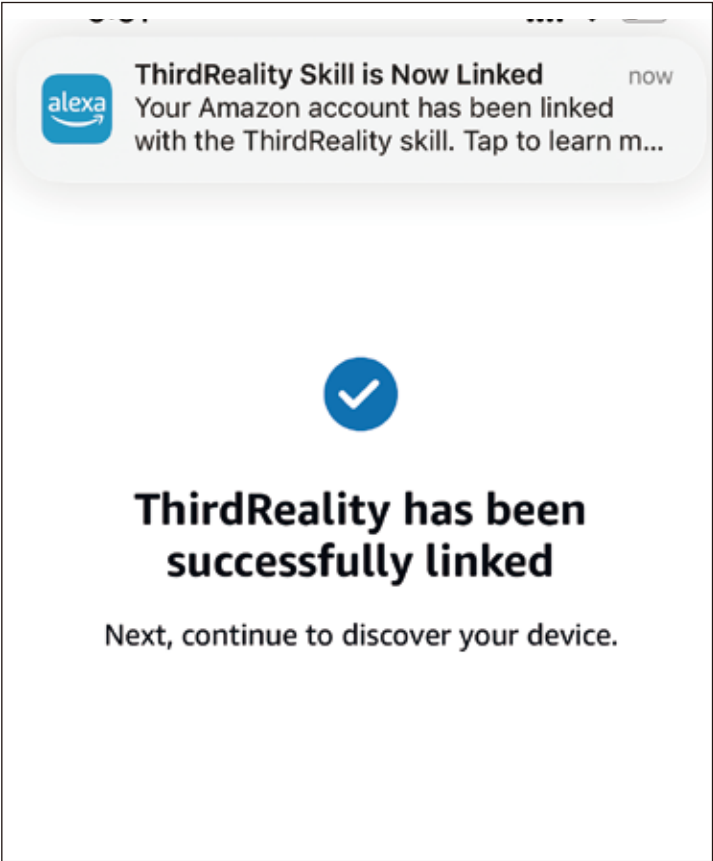
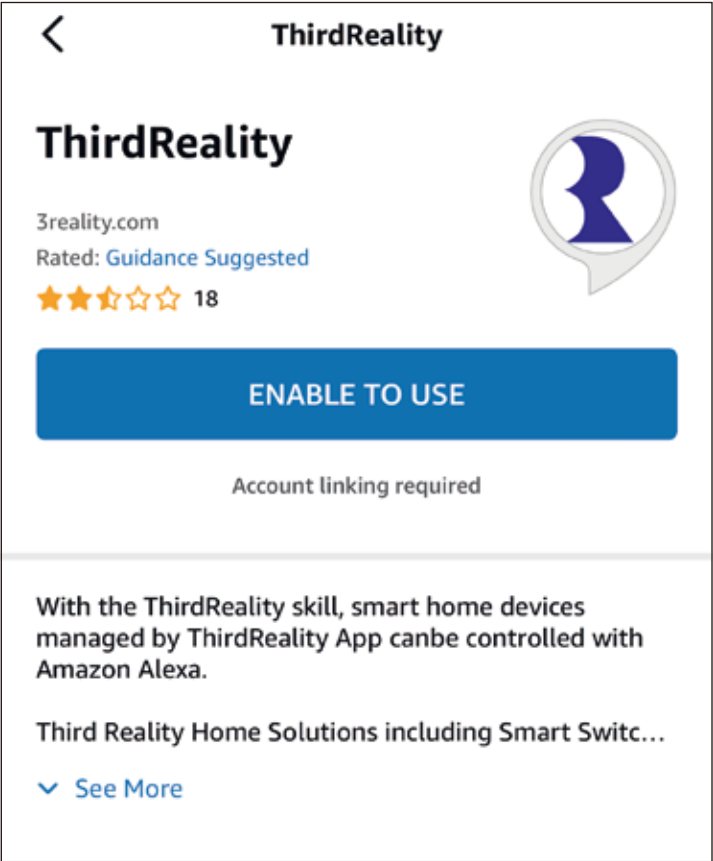
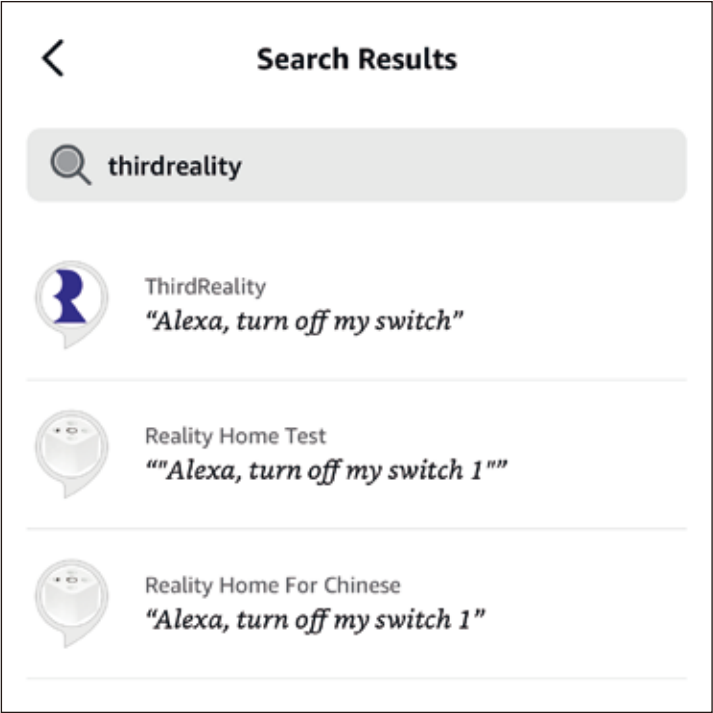
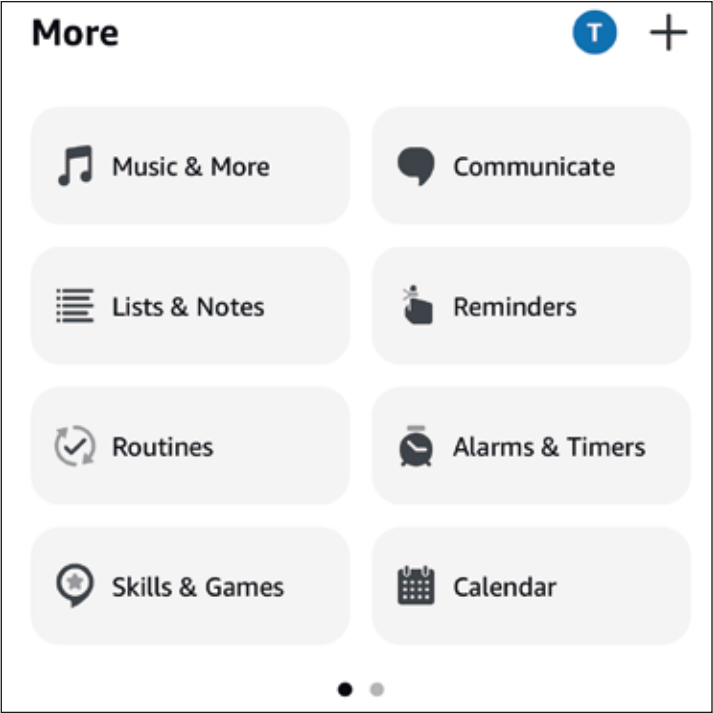
Pairing steps:

Via Alexa Skill:

1. Ask Alexa to check for updates before pairing.
2. Install the batteries. Press the reset button until the LED turns red and release. The LED turns blue and flashes, indicating that it is in pairing mode. It will exit Zigbee pairing mode after 3 min if not paired.
3. Follow instructions Pairing with ThirdReality.
4. Open your Alexa app, enable Third Reality skill in Skills & Games.
5. Devices paired in Third Reality app will be automatically added into Alexa

Note: Humidity value is not exposed to Alexa.

Temperature and Humidity Sensor Lite added through ThirdReality Skill cannot be used as triggers for Alexa routines.



Pairing with SmartThings

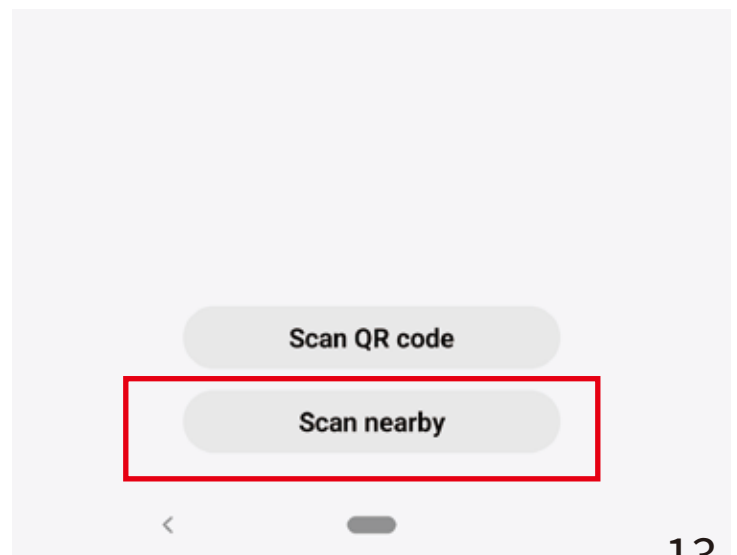
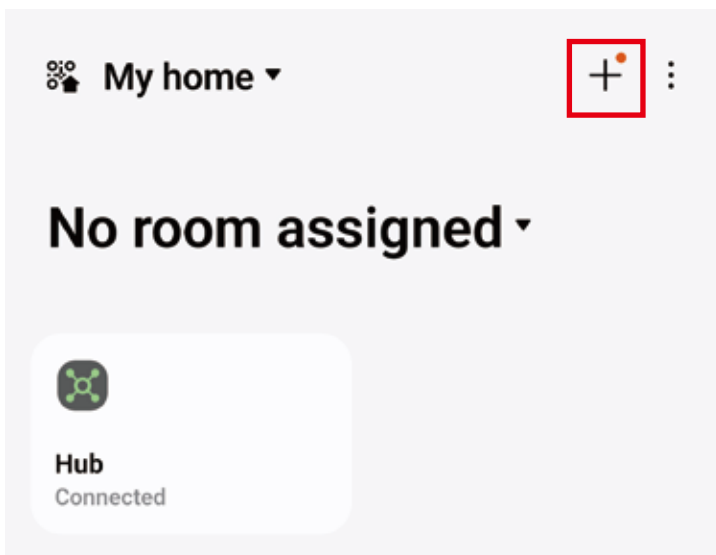
App: SmartThings App

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

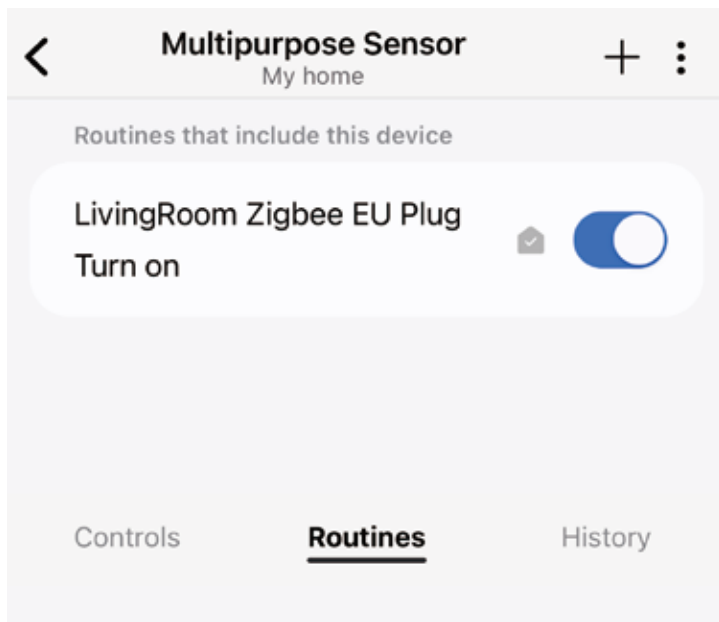
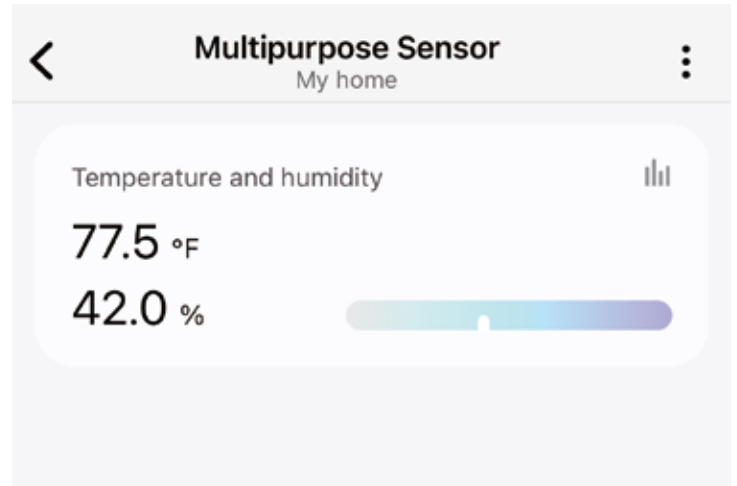
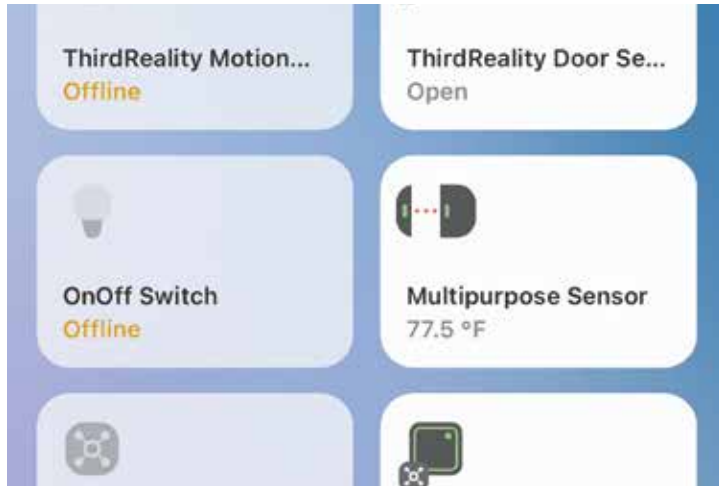


Pairing steps:

1. Before pairing, check for updates to make sure the SmartThings Hub firmware is up to date.
2. Install the batteries. Press the reset button until the LED turns red and release. The LED turns blue and flashes, indicating that it is in pairing mode. It will exit Zigbee pairing mode after 3 min if not paired.
3. Open the SmartThings App, tap "+" on the upper right corner to "Add device" and then tap "Scan for nearby devices".



4. The Temperature and Humidity Sensor Lite will be paired with the SmartThings hub.
5. Create routines to control connected devices.



Pairing with Hubitat

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



Pairing steps:

1. Install the batteries. press the reset button until the LED turns red and release. The LED turns blue and flashes, indicating that it is in pairing mode. It will exit Zigbee pairing mode after 3 min if not paired.
2. Tab "Add Device" in Hubitat Devices page.
3. Choose "Zigbee", then "Start Zigbee Pairing".
4. Type in a device and room name and click "Next" to complete pairing.

Hubitat
LEARN WITH ENVIRONMENT

Devices

My

Rooms

Devices

Apps

Settings

Subscriptions

Developer tools

Apps code

Drivers code

Libraries code

Bundles

Compatible list

Label (Name)

Room

Type

Source

Last Activity

0000
(Generic Zigbee Shade)

Generic Zigbee Shade

System

11-04 4:38am

1212
(Generic Zigbee Outlet)

Generic Zigbee Outlet

System

12-01 1:57am

5555
(Generic Zigbee Motion Sensor (no temp))

huân

Zigbee Motion Detector

User

12-08 9:08am

93FC
(Generic Zigbee Temperature/Humidity Sensor)

Generic Zigbee Temperature/H...

System

12-09 11:12am

bt1
(Third Reality Smart Button)

Third Reality Smart Button

System

12-06 8:25pm

button 5
(Third Reality Smart Button)

Third Reality Smart Button

System

12-08 2:27pm

button11
(Third Reality Smart Button)

Third Reality Smart Button

System

7-10 11:32pm

Add Device

Documentation Community Videos FAQ

Terms of Service Copyright 2022 Hubitat, Inc.

Hubitat
LEARN WITH ENVIRONMENT

Add device

My

Rooms

Devices

Apps

Settings

Subscriptions

Developer tools

Apps code

Drivers code

Libraries code

Bundles

Find by device type

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

Find by brand

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

Add device manually:

Zigbee

Z-Wave

Iris V1 Zigbee

Virtual

Documentation Community Videos FAQ

Terms of Service Copyright 2022 Hubitat, Inc.

Hubitat
LEARN WITH ENVIRONMENT

Add device

My

Rooms

Devices

Apps

Settings

Subscriptions

Developer tools

Apps code

Drivers code

Libraries code

Bundles

Home - Zigbee

Cancel

Make sure that the device has been factory reset. Simply removing it from a previous mesh may not allow it to be joined. A factory reset will ensure it is discoverable.


+ Stop Zigbee pairing

Pairing, 58s remaining

Documentation Community Videos FAQ

Terms of Service Copyright 2022 Hubitat, Inc.

16



TR_SC_HT

Add device

TR_SC_HT

Rooms

Devices

Apps

Settings

Subscriptions

Developer tools

Apps code

Drivers code

Libraries code

Bundles

Logs

Home

Generic Zigbee Temperature/Humidity Sensor 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.

Documentation


Community

Videos

FAQ

Terms of Service

Copyright 2018-2024 Hubitat, Inc.



TR_SC_HT

TH lite

TR_SC_HT

Rooms

Devices

Apps

Settings

Subscriptions

Developer tools

Apps code

Drivers code

Libraries code

Bundles

Logs

Device List

Events

Logs

Commands

Configure

Refresh

Update Firmware

Current States

lastBattery : 1713950872

tempOffset : 0

sensorTemp : 26.83

Preferences

Temperature Reporting (default:On 0.5°C change)

Humidity Reporting (default:On 1% change)

Reference temperature

Documentation


Community

Videos

FAQ

Terms of Service

Copyright 2018-2024 Hubitat, Inc.



TR_SC_HT

Turn On E2

TR_SC_HT

Rooms

Devices

Apps

Settings

Subscriptions

Developer tools

Apps code

Drivers code

Libraries code

Bundles

Logs

Automate lights and switches

Pause

Which lights or switches do you want to automate?

How do you want to trigger it? *

What do you want to do? *

Which temperature sensor?

Turn on lights if temperature is

than

Documentation

Community

Videos

FAQ

Terms of Service

Copyright 2018-2024 Hubitat, Inc.

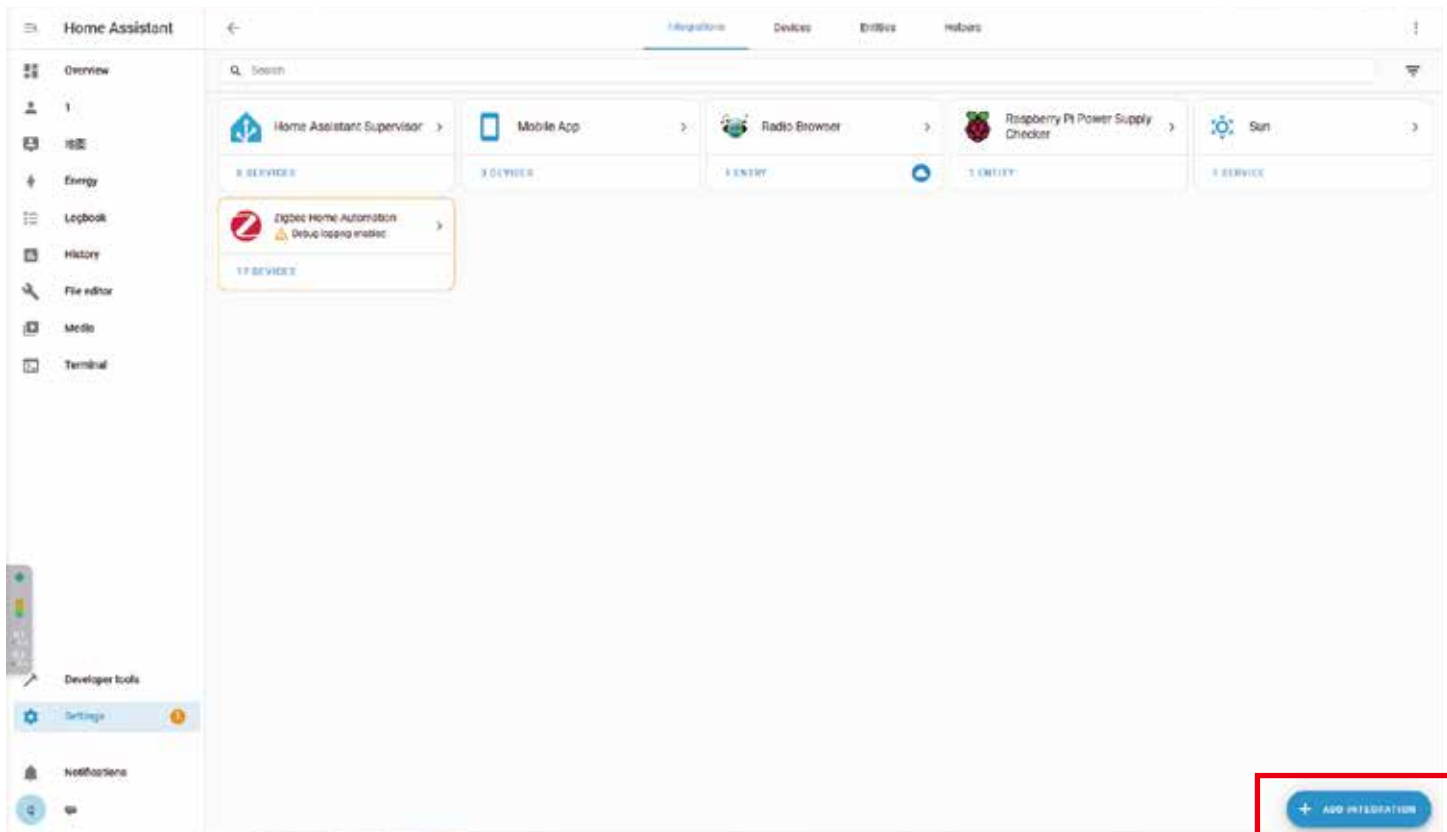
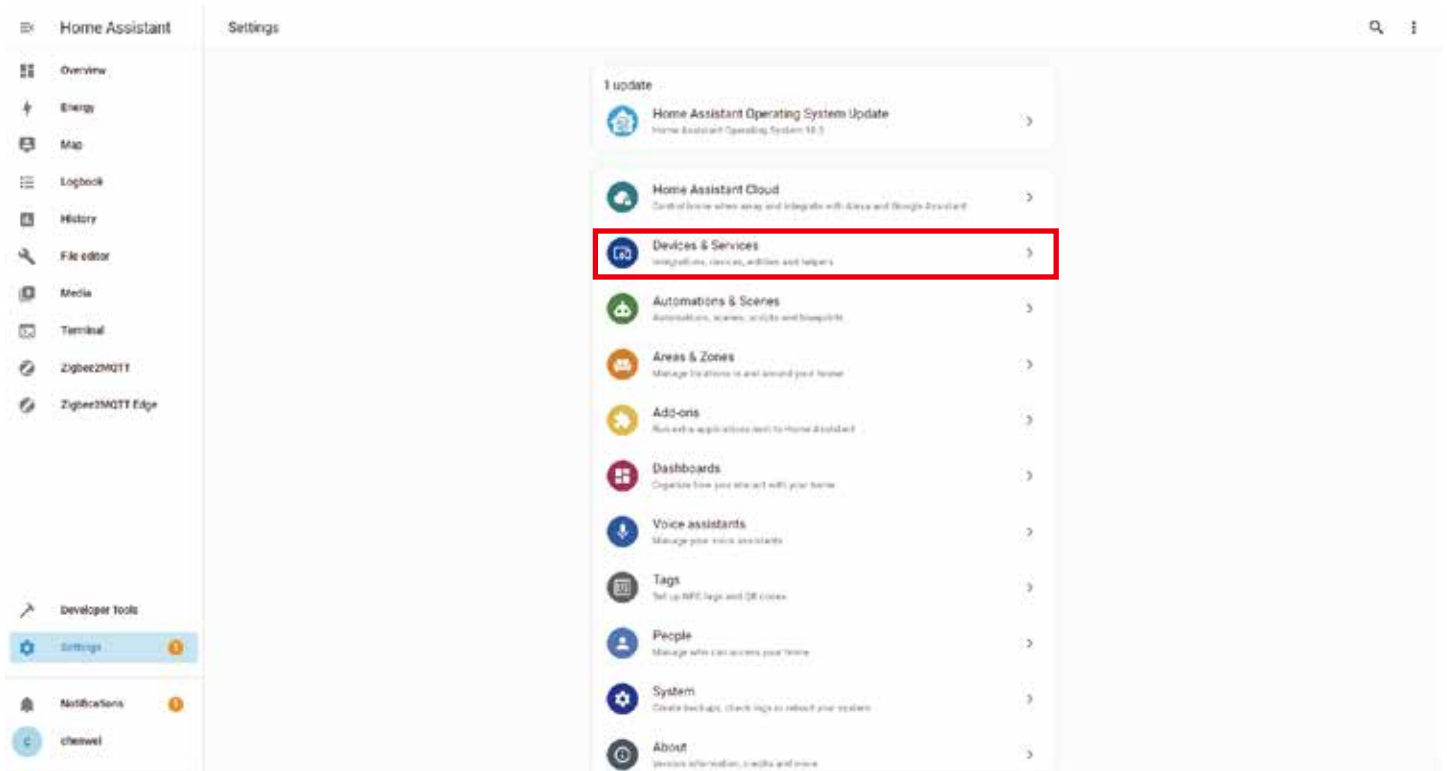
Pairing With Home Assistant

Device: Zigbee dongle



Zigbee Home Automation

1. Install the batteries. Press the reset button until the LED turns red and release. The LED turns blue and flashes, indicating that it is in pairing mode. It will exit Zigbee pairing mode after 3 min if not paired.
2. Make sure Home Assistant Integrations Zigbee Home Automation Setup is ready, then go to "Configuration" page, click "integration".
3. Then click the "Devices" on the Zigbee item, then click "Add Devices".
4. After the pairing is completed successfully, it will show up in the page.
5. Back to "Devices" page, then you can find the device added.
6. Click to enter in the control interface to set the device.
7. Click "+" belongs to Automation and then you can add different actions.



Home Assistant

Integrations

Devices

Entities

Helps

Overview

1

Energy

Logbook

History

File editor

Media

Terminal

Developer tools

Settings

Notifications

ip

Filters 30

Search in devices

Group by

Get to Device

Device	Manufacturer	Model	Area	Integration	Battery
3-4M4	Third Reality, Inc	3RM016BZ		Zigbee Home Automation	76%
70s night light 1	Third Reality, Inc	3RNL0224Z	TEST	Zigbee Home Automation	
Garage Door T/R 1	Third Reality, Inc	3R01GE105BZ		Zigbee Home Automation	
Garage Door T/R 2	Third Reality, Inc	3R01GE105BZ		Zigbee Home Automation	
Garage Door T/R 3	Third Reality, Inc	3R01GE105BZ		Zigbee Home Automation	
Garage Door T/R Sensor	Third Reality, Inc	3R01GE105BZ	Garage	Zigbee Home Automation	
plug v2	Third Reality, Inc	3RSP0026BZ		Zigbee Home Automation	
Third Reality 3RTHS0224Z	Third Reality	3RTH00224Z		Zigbee Home Automation	
Third Reality 3RTHS0224Z	Third Reality	3RTH00224Z		Zigbee Home Automation	100%
Third Reality, Inc 3RGG17BZ	Third Reality, Inc	3RGG17BZ		Zigbee Home Automation	
Third Reality, Inc 3RWS16BZ	Third Reality, Inc	3RWS16BZ		Zigbee Home Automation	
url_manufacturer url_model	url_manufacturer	url_model		Zigbee Home Automation	
Zigbee Coordinator	Broadcom electronics	CC2530		Zigbee Home Automation	

+ Add device

Home Assistant

Third Reality 3RTHS0224Z

Overview

1

Energy

Logbook

History

File editor

Media

Terminal

Developer tools

Settings

Notifications

IP

Device info

3RTHS0224Z

by Third Reality

Firmware: 000000010

Zigbee info

Zigbee Home Automation

REQUIRE

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.

Sensors

Humidity

40.2%

Temperature

25.7 °C

ADD TO DASHBOARD

Configuration

Firmware

Up-to-date

ADD TO DASHBOARD

Diagnostic

Battery

100%

Identify

PRESS

+5 entities not shown

ADD TO DASHBOARD

Logbook

April 25, 2024

Third Reality 3RTHS0224Z Checkin event was fired

8:45:10 AM - 2 minutes ago

Third Reality 3RTHS0224Z Checkin event was fired

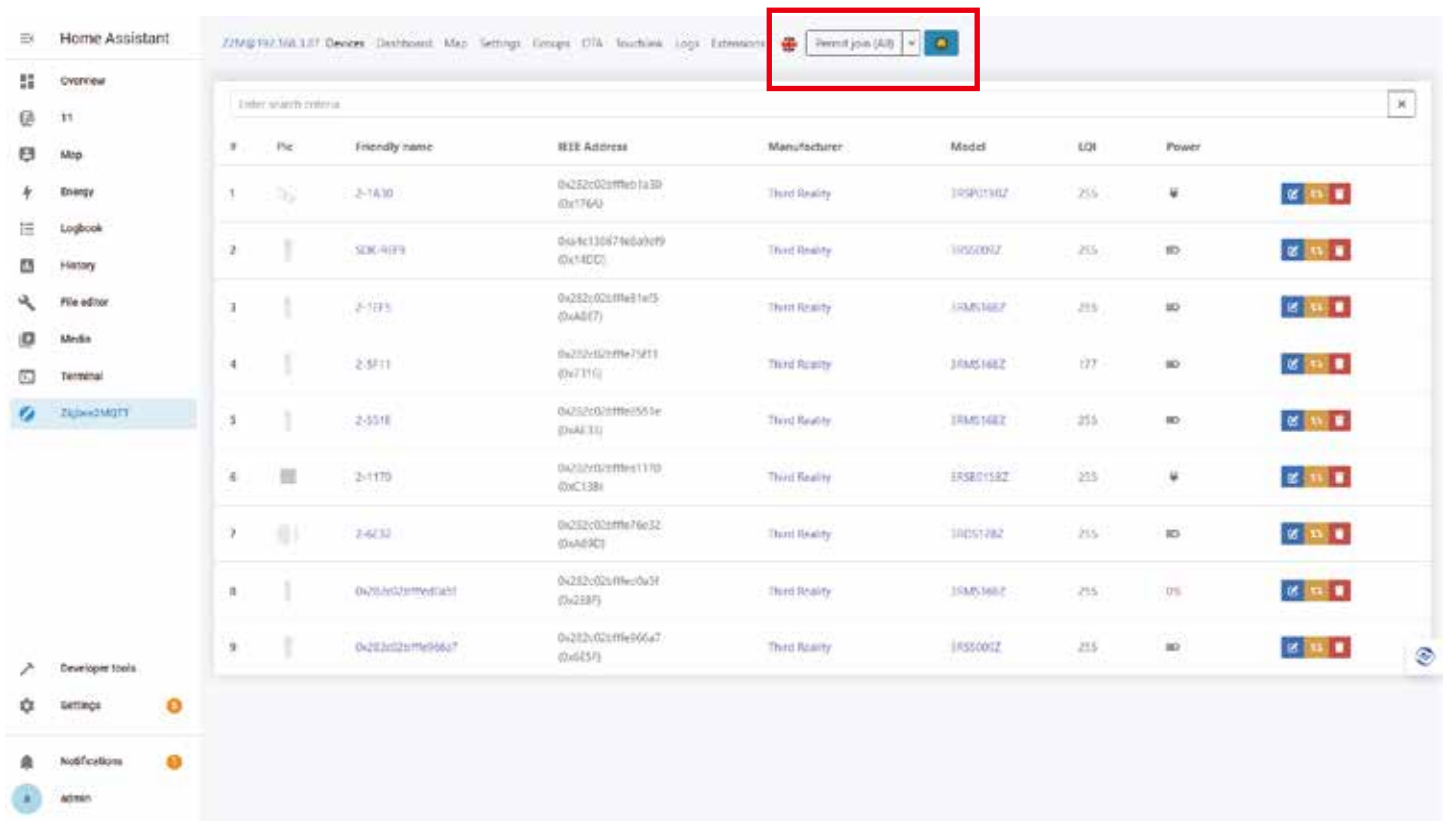
8:45:17 AM - 2 minutes ago

Third Reality 3RTHS0224Z Checkin event was fired

8:45:25 AM - 2 minutes ago

Zigbee2MQTT

1. Install the batteries. press the reset button until the LED turns red and release. The LED turns blue and flashes, indicating that it is in pairing mode. It will exit Zigbee pairing mode after 3 min if not paired.
2. Make sure Home Assistant Zigbee2MQTT Setup is ready .
3. Click "permit join (All)" to add device.
4. Create automation and then you can add different actions.



The screenshot shows the Home Assistant interface with the Zigbee2MQTT extension installed. The left sidebar contains navigation options: Overview, IT, Map, Energy, Logbook, History, File editor, Media, Terminal, and Zigbee2MQTT (which is highlighted). The main area displays the Zigbee2MQTT 'Devices' page, showing a list of 9 devices. At the top of the devices list, there is a button labeled 'Permit join (All)' which is highlighted with a red rectangular box. Below this button is a search bar and a table of devices.

#	Pic	Friendly name	IEEE Address	Manufacturer	Model	LQI	Power
1		2-1A30	0x222c02fffe01a30 (0x176A)	Third Reality	IRPS0130Z	255	W
2		2BK-R079	0x222c02fffe01a30 (0x176A)	Third Reality	IRPS000Z	255	BD
3		2-1F75	0x222c02fffe01a30 (0x176A)	Third Reality	IRMS168Z	255	BD
4		2-5F11	0x222c02fffe01a30 (0x176A)	Third Reality	IRMS168Z	177	BD
5		2-551E	0x222c02fffe01a30 (0x176A)	Third Reality	IRMS168Z	255	BD
6		2-117D	0x222c02fffe01a30 (0x176A)	Third Reality	IRSE0158Z	255	W
7		2-6C32	0x222c02fffe01a30 (0x176A)	Third Reality	IRDS178Z	255	BD
8		0x222c02fffe01a30 (0x176A)	0x222c02fffe01a30 (0x176A)	Third Reality	IRMS168Z	255	DB
9		0x222c02fffe01a30 (0x176A)	0x222c02fffe01a30 (0x176A)	Third Reality	IRSS000Z	255	BD

Home Assistant

Overview

11

Map

Energy

Logbook

History

File editor

Media

Terminal

Zigbee2MQTT

Developer tools

Settings

Notifications

Admin

Zigbee2MQTT

192.168.1.87

Devices

Dashboard

Map

Settings

Groups

OTA

Touchlink

Logs

Extensions

Reconnect join (All)

Order search criteria

#	Pin	Friendly name	IEEE Address	Manufacturer	Model	LQI	Power
1		2-1A30	0x252c02c0ffed1a30 (0x176A)	Third Reality	3RSP0380Z	255	
2		50K-90F9	0x4c128674e8a09f9 (0x140D)	Third Reality	3RCS009Z	255	80
3		2-11F5	0x252c02c0ffed11f5 (0x48E7)	Third Reality	3RMS168Z	255	80
4		2-5F11	0x252c02c0ffed5f11 (0x7316)	Third Reality	3RMS168Z	177	80
5		2-551E	0x252c02c0ffed551e (0x4f33)	Third Reality	3RMS168Z	255	80
6		2-117D	0x252c02c0ffed117d (0xc138)	Third Reality	3RS80158Z	255	
7		2-6132	0x252c02c0ffed6132 (0x48C0)	Third Reality	3RMS170Z	255	80
8		0x252c02c0ffed0a5f	0x252c02c0ffed0a5f (0x288F)	Third Reality	3RMS168Z	255	
9		0x252c02c0ffed08647	0x252c02c0ffed08647 (0x463F)	Third Reality	3RCS009Z	255	80
10		0x442500028060000	0x442500028060000 (0x276D)	Third Reality	3RTHS024Z	253	0

Expand

Disable joining new devices

Home Assistant

Overview

11

Map

Energy

Logbook

History

File editor

Media

Terminal

Zigbee2MQTT

Developer tools

Settings

Notifications

Admin

Zigbee2MQTT

192.168.1.87

Devices

Dashboard

Map

Settings

Groups

OTA

Touchlink

Logs

Extensions

Reconnect join (All)

0x442500028060000

About

Exposes

Bind

Reporting

Settings

Settings (specific)

State

Clusters

Scene

Dev console

Friendly name

0x442500028060000

Description

N/A

Last seen

Availability

Disarmed

Device type

EndDevice

Zigbee Model

3RTHS024Z

Zigbee Manufacturer

Third Reality

Description

Temperature and humidity sensor like

Support status

Supported

IEEE Address

0x442500028060000

Network address

0x390

Firmware build date

20230618-08

Firmware version

v1.00.29

Manufacturer

Third Reality

Model

3RTHS024Z

Power

0

Interview completed

True

FCC Regulatory Conformance

This device complies with part 15 of the FCC rules. 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a 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 communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does 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 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 important announcement.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

RF Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Limited Warranty

For limited warranty, please visit www.3reality.com/devicesupport.

For customer support, please contact us at info@3reality.com or visit www.3reality.com.

For help and troubleshooting related to Amazon Alexa, visit the Alexa app.

ISED Statement

- English: This device complies with Industry Canada license - 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. The digital apparatus complies with Canadian CAN ICES - 3 (B)/NMB - 3(B).

- French: Le présent appareil est conforme aux CNR d'Industrie Canada applicables 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.

This radio transmitter has been approved by Industry Canada to operate with the antenna types listed with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Radiation Exposure Statement

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé. Cet équipement doit être installé et utilisé à distance minimum de 20cm entre le radiateur et votre corps.

Caution:

(i) The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

Avertissement:

(i) les dispositifs fonctionnant dans la bande de 5150 à 5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;