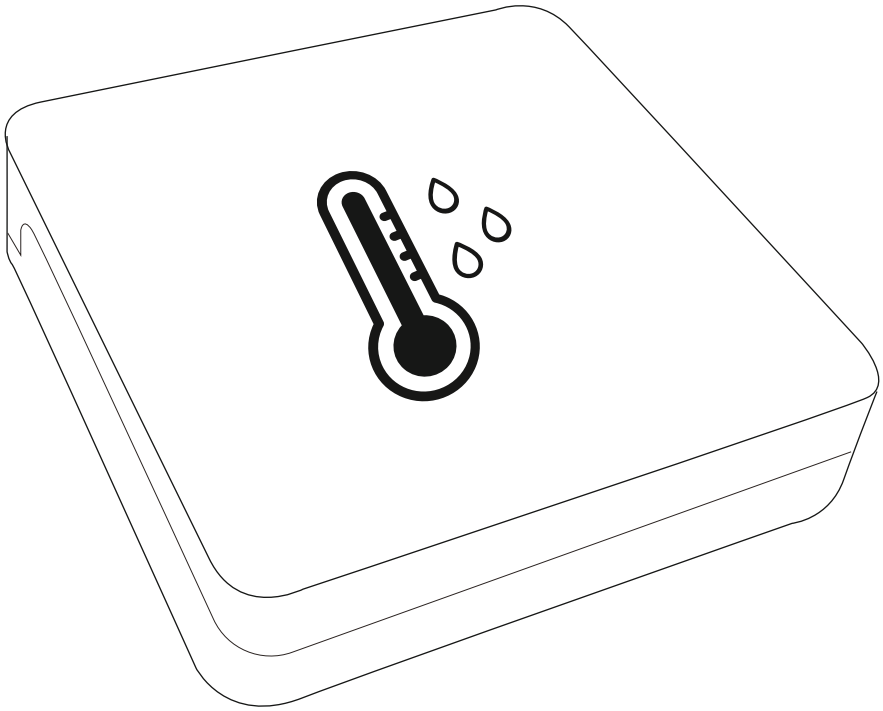
Temperature and Humidity Sensor Lite

User Manual



THIRDREALITY

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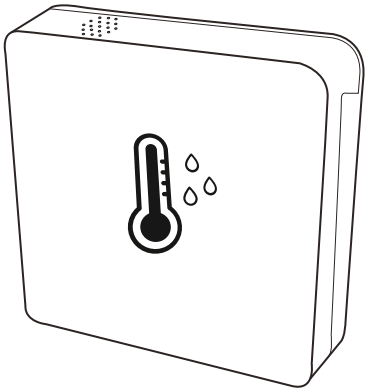
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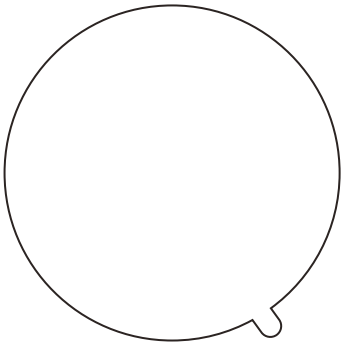
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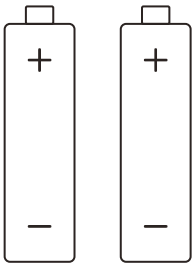
What's in the Box



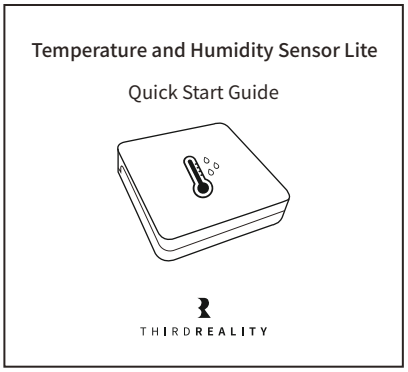
Temperature and Humidity Sensor Lite



3M adhesive



AAA Battery (included)



Quick Start 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	-15°C~50°C（ 5°F~122°F）
Humidity Range	0-100%
Temperature Accuracy	±0.3°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

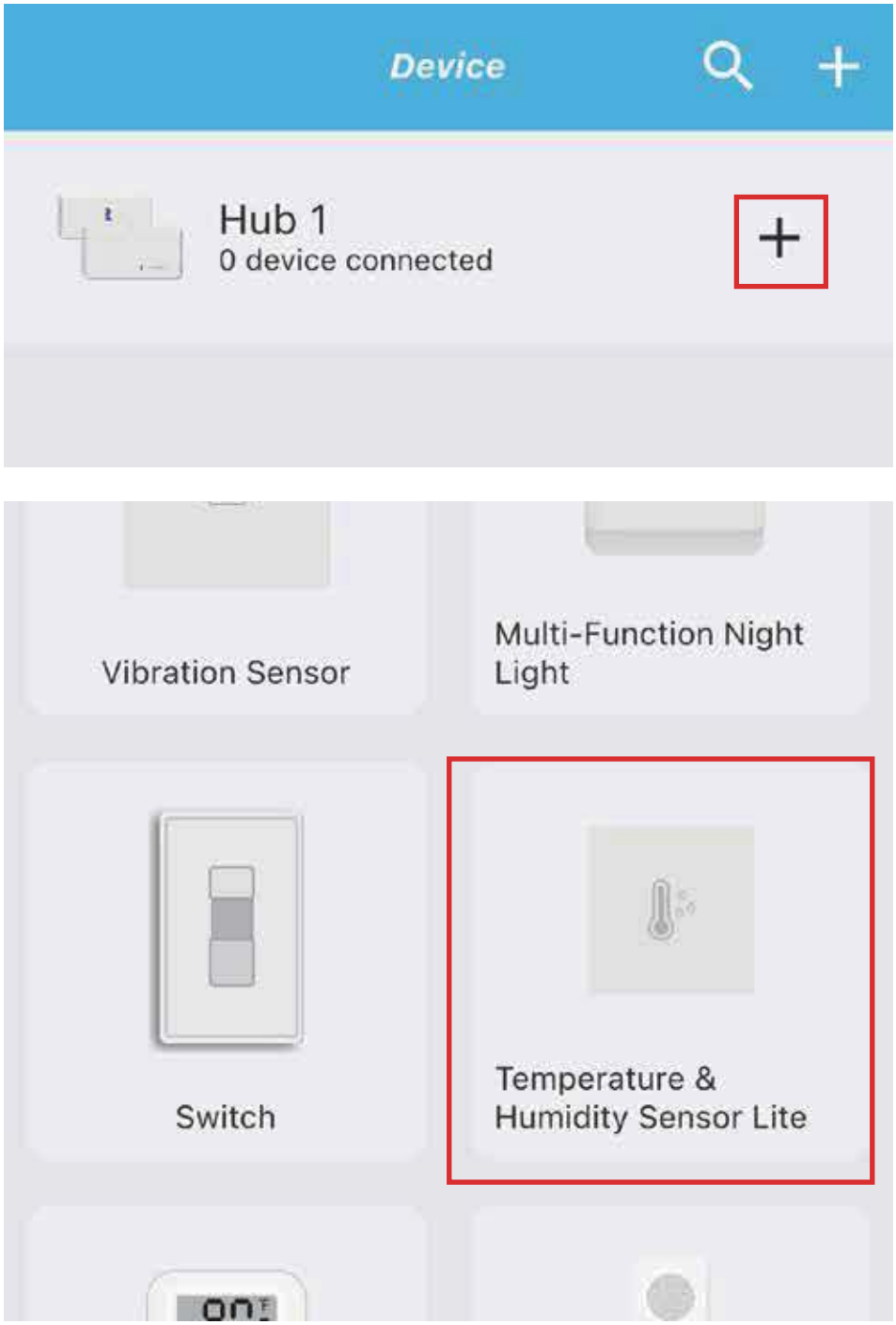
App: Third Reality App

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. Tab "+" in the up right in the Third Reality App, follow the on-screen instructions to add device.


Device
Hub 1
0 device connected
Vibration Sensor
Multi-Function Night Light
Switch
Temperature & Humidity Sensor Lite
Device
Temperature ...
connected to Hub 1
26.1°C / 79.0°F
38.3%
Hub 1
1 device connected

Pairing with 3R-Installer

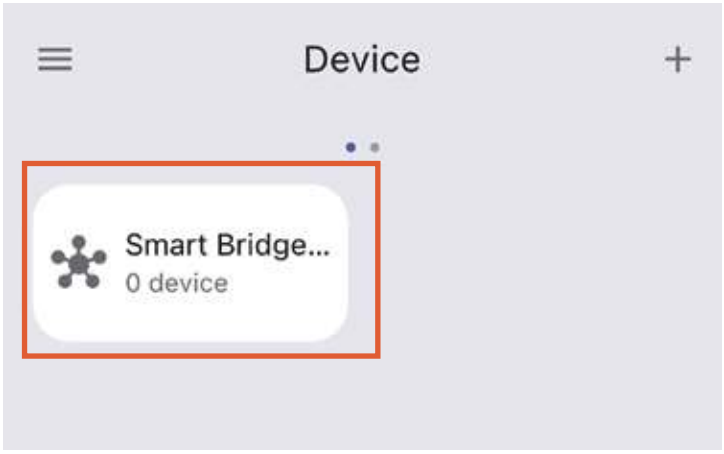
App: 3R-Installer App

Device: Smart Bridge MZ1

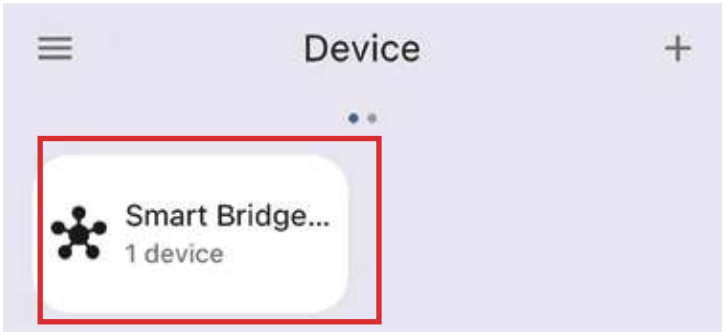


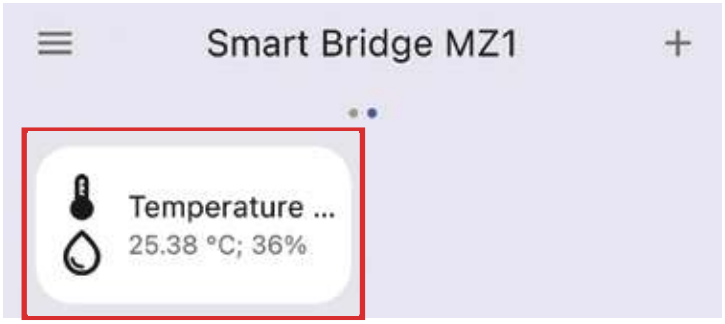
Pairing steps:

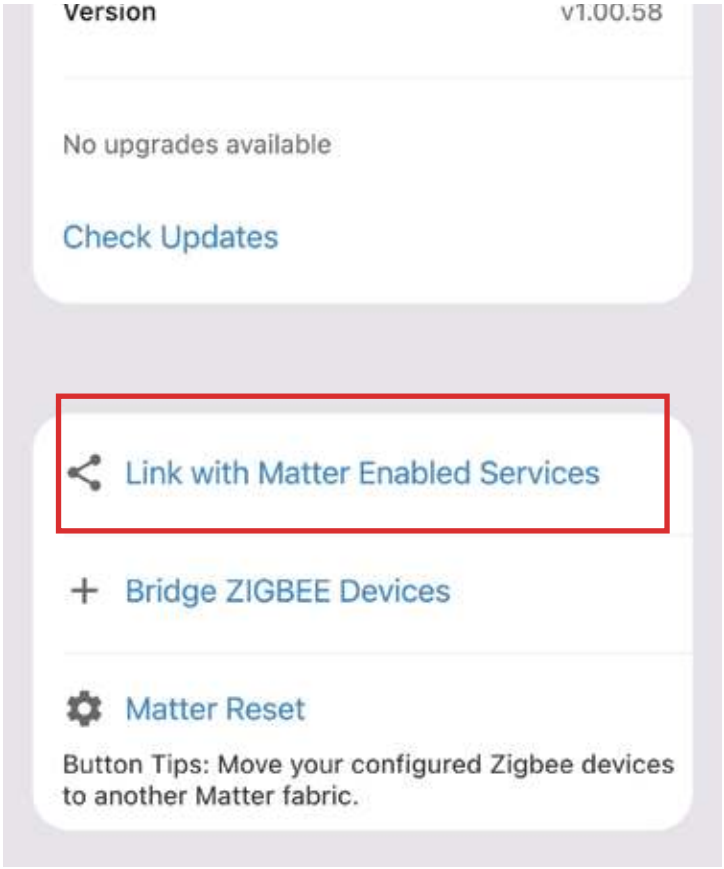
1. Set up your smart bridge, make sure both the 3R-Installer App and the smart bridge's firmware are in the latest version.
2. Push to open the back cover of the sensor and install the batteries.
3. Press the reset button until the LED turns red and release. The LED turns blue and flashes, indicating 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. Tap 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.


Device
Smart Bridge...
0 device


Link with Matter Enabled Services
Bridge ZIGBEE Devices
Matter Reset
Button Tips: Move your configured Zigbee devices to another Matter fabric.


Device
Smart Bridge...
1 device


Smart Bridge MZ1
Temperature ...
25.38 °C; 36%


Version
v1.00.58
No upgrades available
Check Updates
Link with Matter Enabled Services
Bridge ZIGBEE Devices
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 56 seconds
1216-170-8712
Done

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

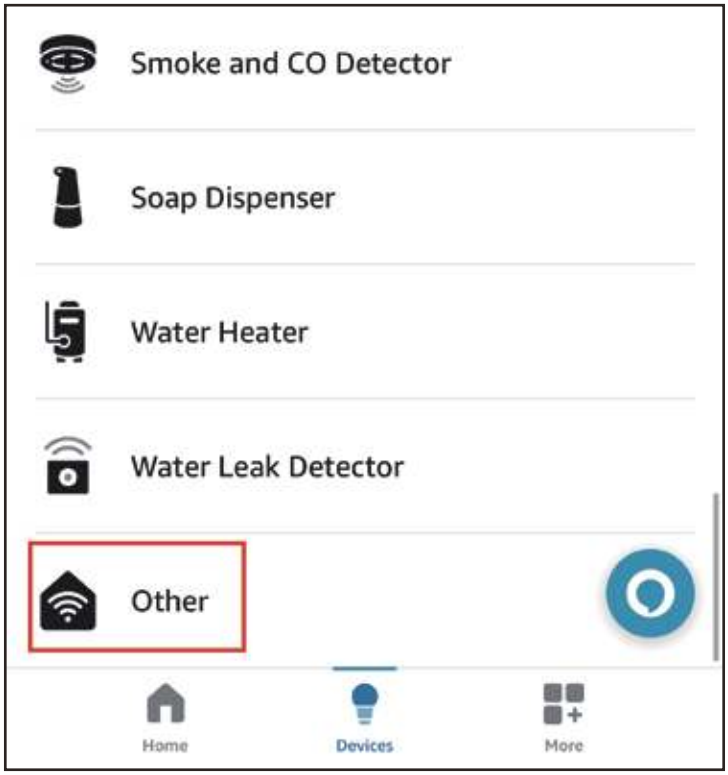
Pairing steps:

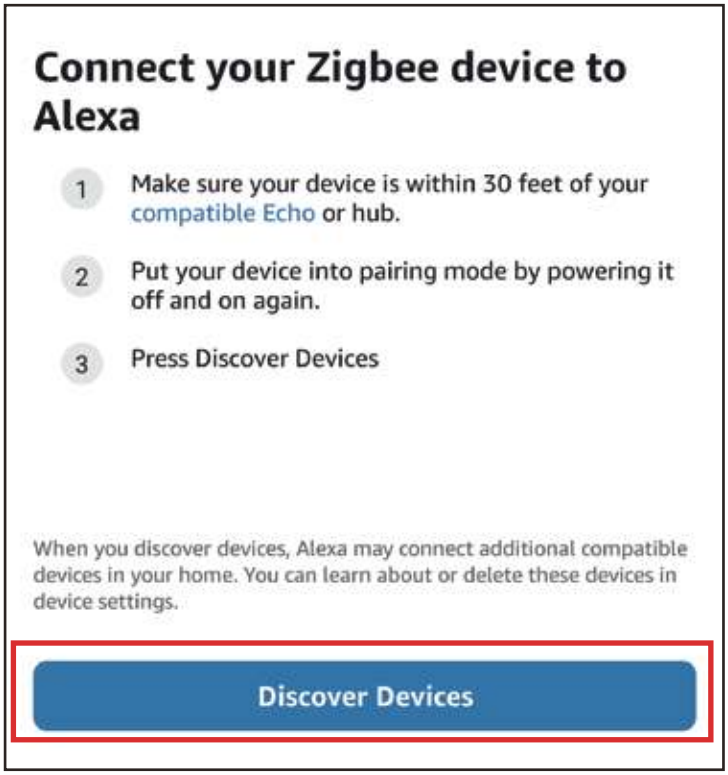
Direct Pairing:

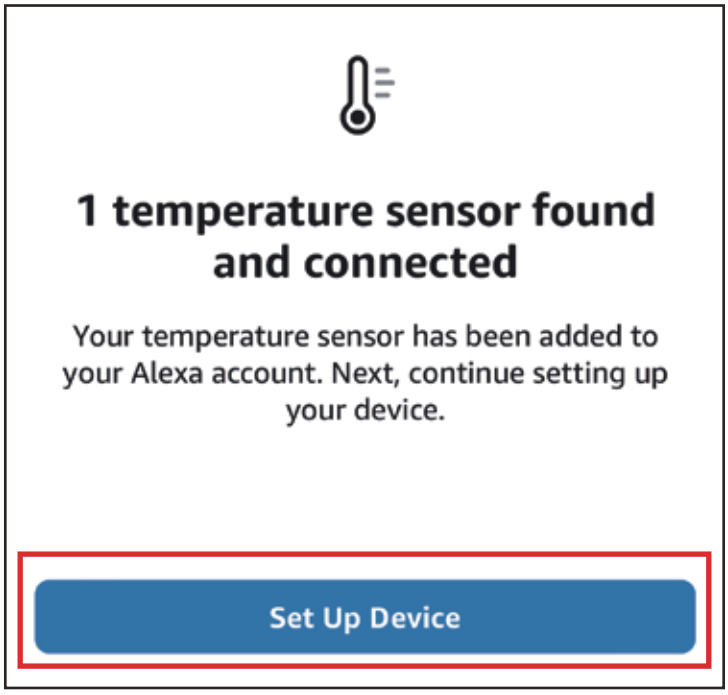
1. Ask Alexa to check for updates before pairing.
2. Install the batteries. Press the reset button until the LED turns red and release. The LED turns blue and flashes, indicating that it is in pairing mode. It will exit Zigbee pairing mode after 3 min if not paired.
3. Tap "+" in the Alexa App, choose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

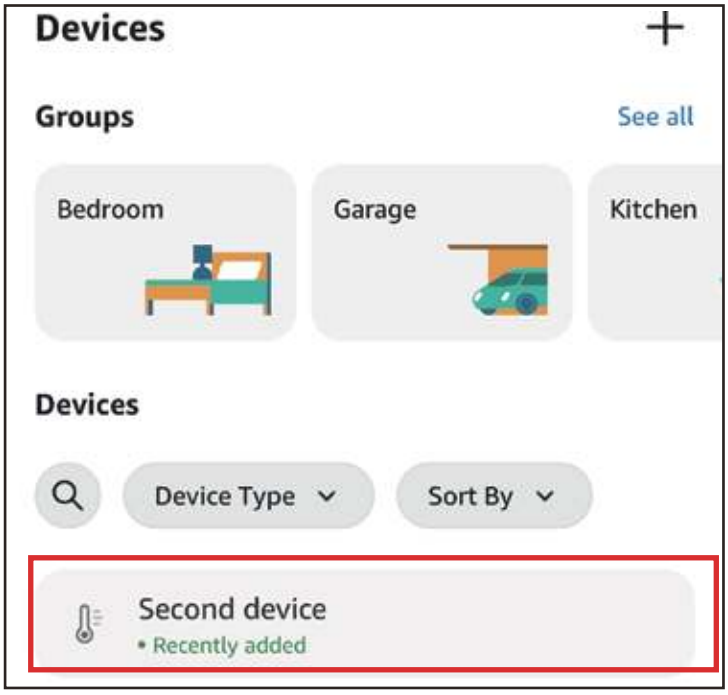

All Devices
Tina's Echo
Online
Alexa on This Phone
Online

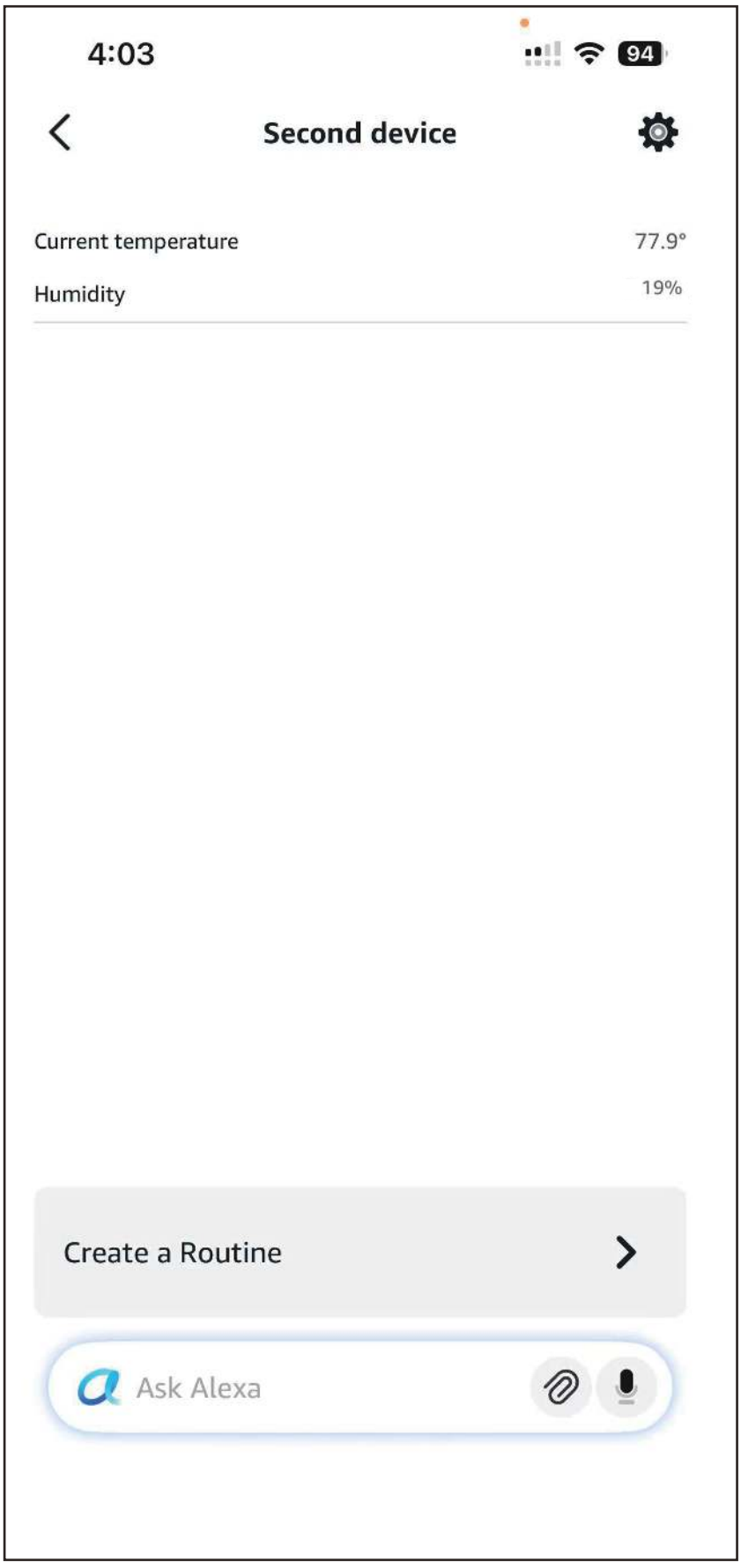

Add Device
Echo, Smart Home and Accessories
Add Group
Create rooms, device groups and larger areas
Combine speakers
Set up multi-room music, a home cinema or a stereo pair.


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


4:03
94
Second device
Current temperature
77.9°
Humidity
19%
Create a Routine
Ask Alexa

Pairing with Amazon Echo

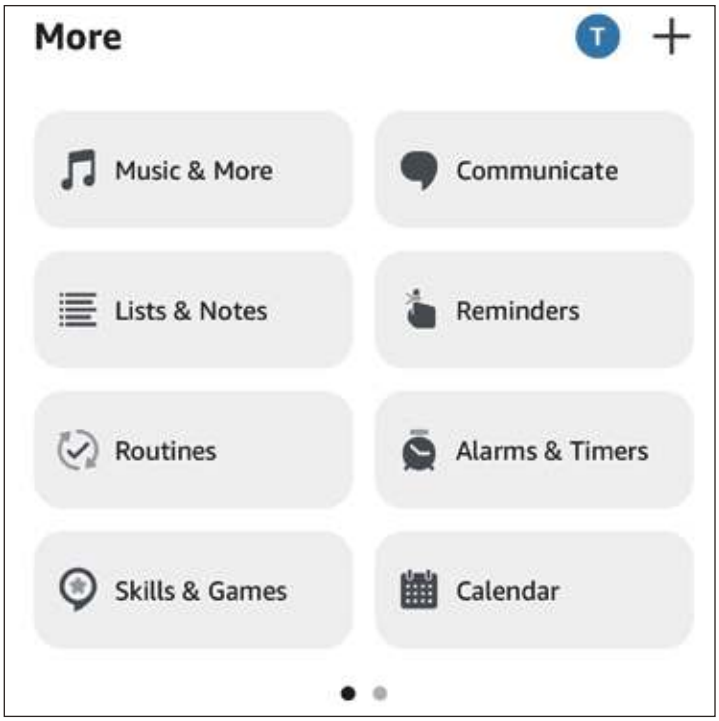
App: Amazon Alexa
Devices: Echo speakers with built-in Zigbee hub, Echo 4th Gen, Echo Plus 1st & 2nd Gen, Echo Studio

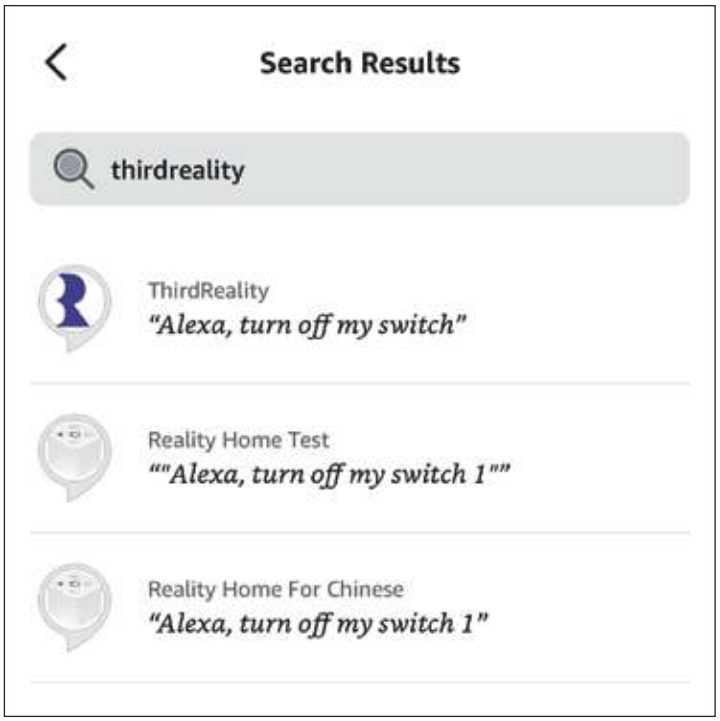
Pairing steps:

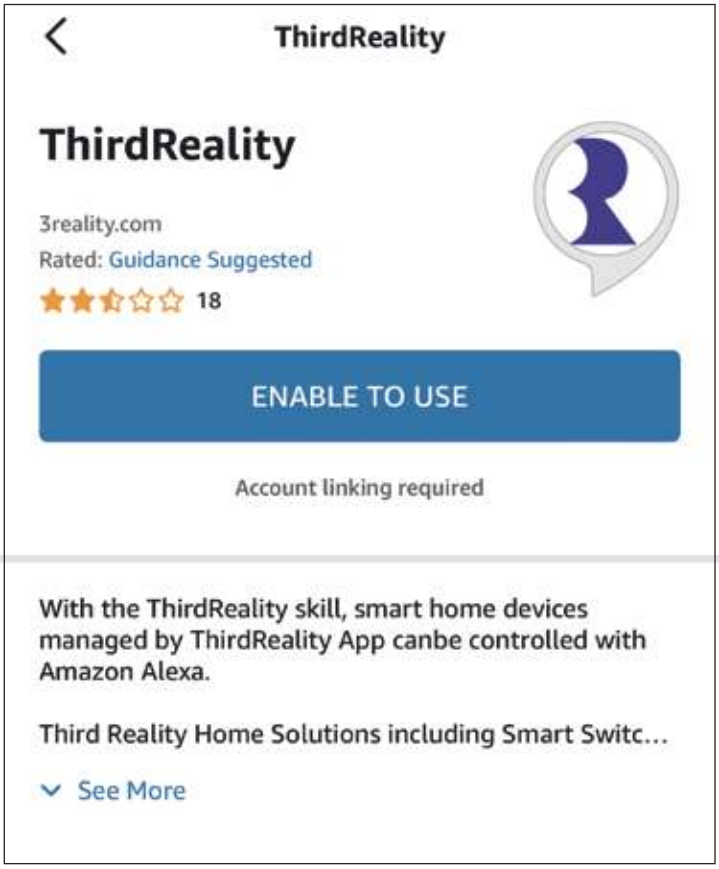
Via Alexa Skill:

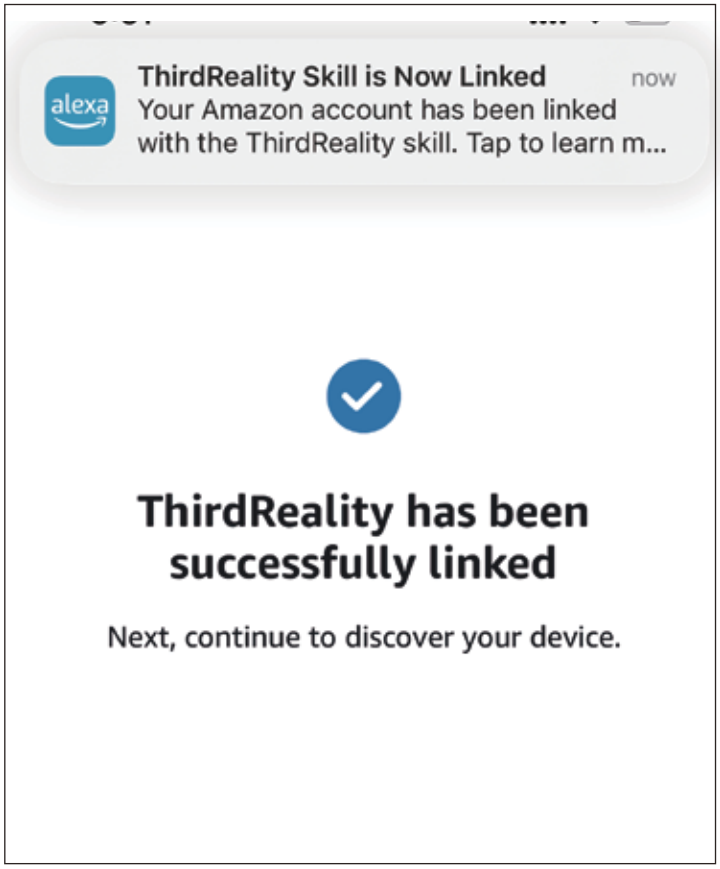
1. Ask Alexa to check for updates before pairing.
2. Install the batteries. Press the reset button until the LED turns red and release. The LED turns blue and flashes, indicating that it is in pairing mode. It will exit Zigbee pairing mode after 3 min if not paired.
3. Follow instructions Pairing with 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.


More
T
Music & More
Communicate
Lists & Notes
Reminders
Routines
Alarms & Timers
Skills & Games
Calendar


Search Results
thirdreality
ThirdReality
"Alexa, turn off my switch"
Reality Home Test
""Alexa, turn off my switch 1""
Reality Home For Chinese
"Alexa, turn off my switch 1"


ThirdReality
ThirdReality
3reality.com
Rated: Guidance Suggested
18
ENABLE TO USE
Account linking required
With the ThirdReality skill, smart home devices managed by ThirdReality App canbe controlled with Amazon Alexa.
Third Reality Home Solutions including Smart Switc...
See More


ThirdReality Skill is Now Linked
now
Your Amazon account has been linked with the ThirdReality skill. Tap to learn m...
ThirdReality has been successfully linked
Next, continue to discover your device.

Pairing with SmartThings

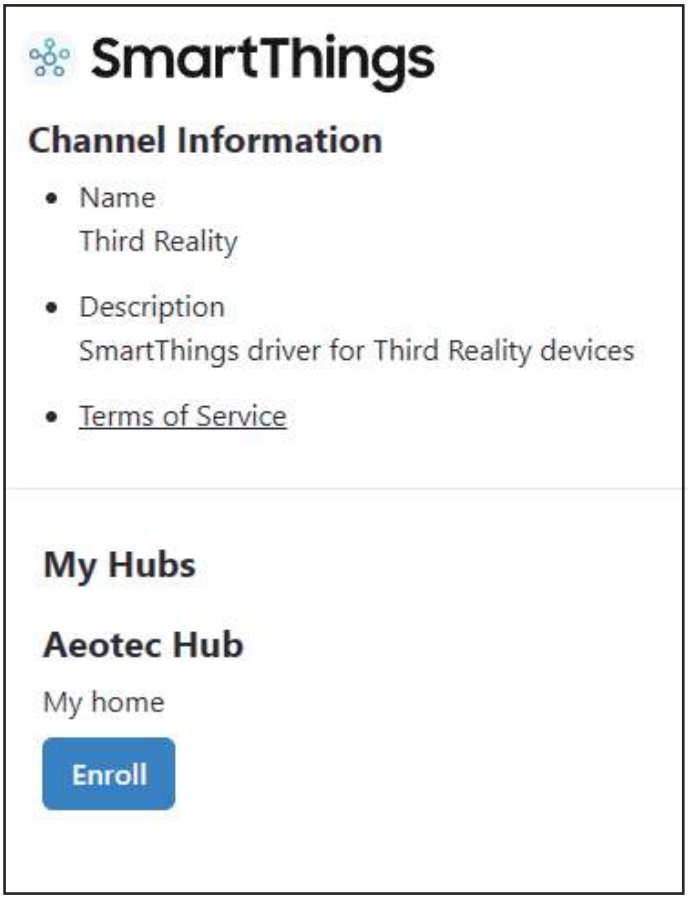
App: SmartThings App
Devices: SmartThings Hub 2nd Gen(2015) and 3rd Gen(2018), Aeotec Smart Home Hub.

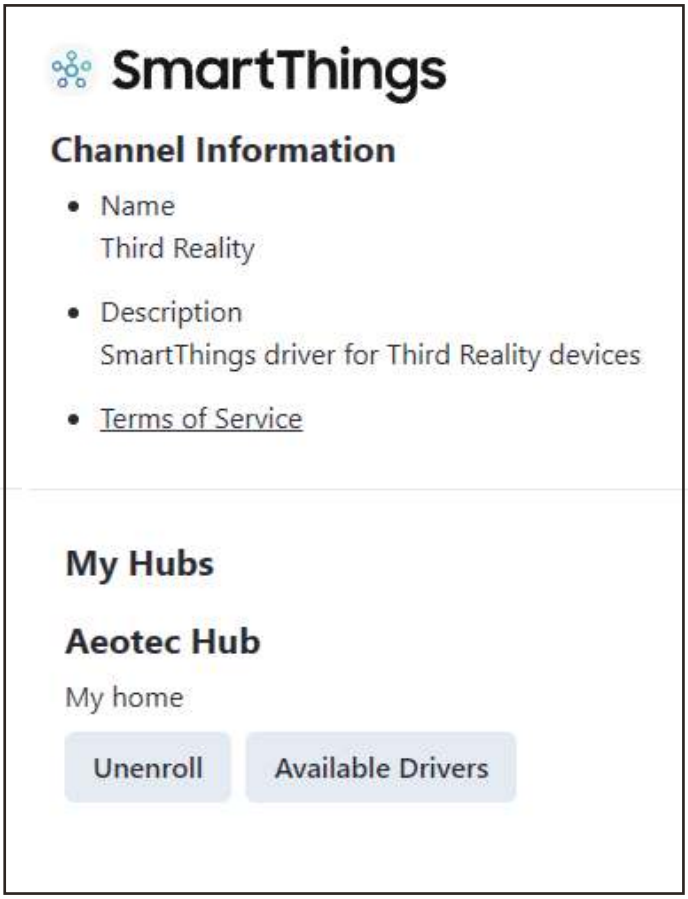


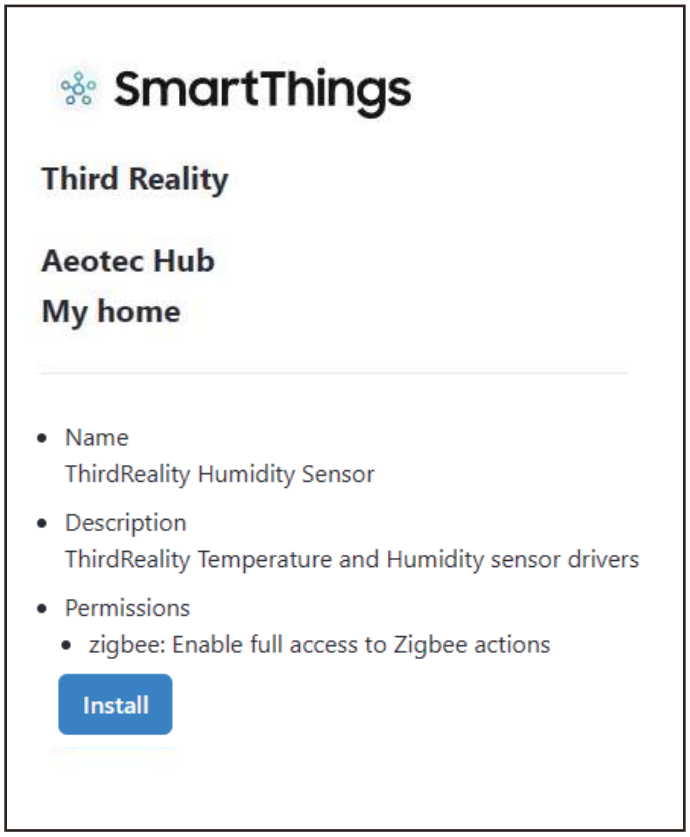
Pairing steps:

1. Before pairing, check for updates to make sure the SmartThings Hub firmware is up to date.
2. Add SmartThings drivers for ThirdReality T & H Sensor Lite

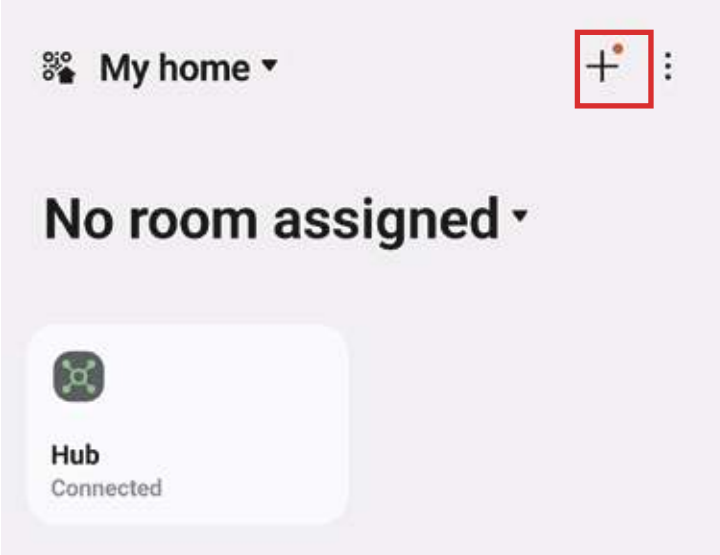
- Open this link in your PC browser. Log in your SmartThings Account.
  https://bestow-regional.api.smartthings.com/invite/adMKr50EXzj9
- Click "Enroll" --"Available Drivers" -- "Install" to install the device driver.

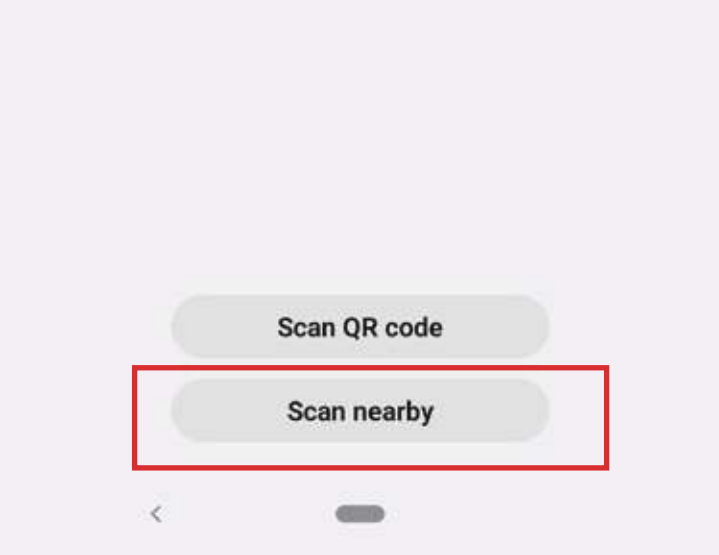

SmartThings
Channel Information
Name
Third Reality
Description
SmartThings driver for Third Reality devices
Terms of Service
My Hubs
Aeotec Hub
My home
Enroll


SmartThings
Channel Information
Name
Third Reality
Description
SmartThings driver for Third Reality devices
Terms of Service
My Hubs
Aeotec Hub
My home
Unenroll
Available Drivers


SmartThings
Third Reality
Aeotec Hub
My home
Name
ThirdReality Humidity Sensor
Description
ThirdReality Temperature and Humidity sensor drivers
Permissions
zigbee: Enable full access to Zigbee actions
Install

3. 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.
4. Open the SmartThings App, tap "+" on the upper right corner to "Add device" and then tap "Scan for nearby devices".





5. The Temperature and Humidity Sensor Lite will be paired with the SmartThings hub.





6. Create routines to control connected devices.



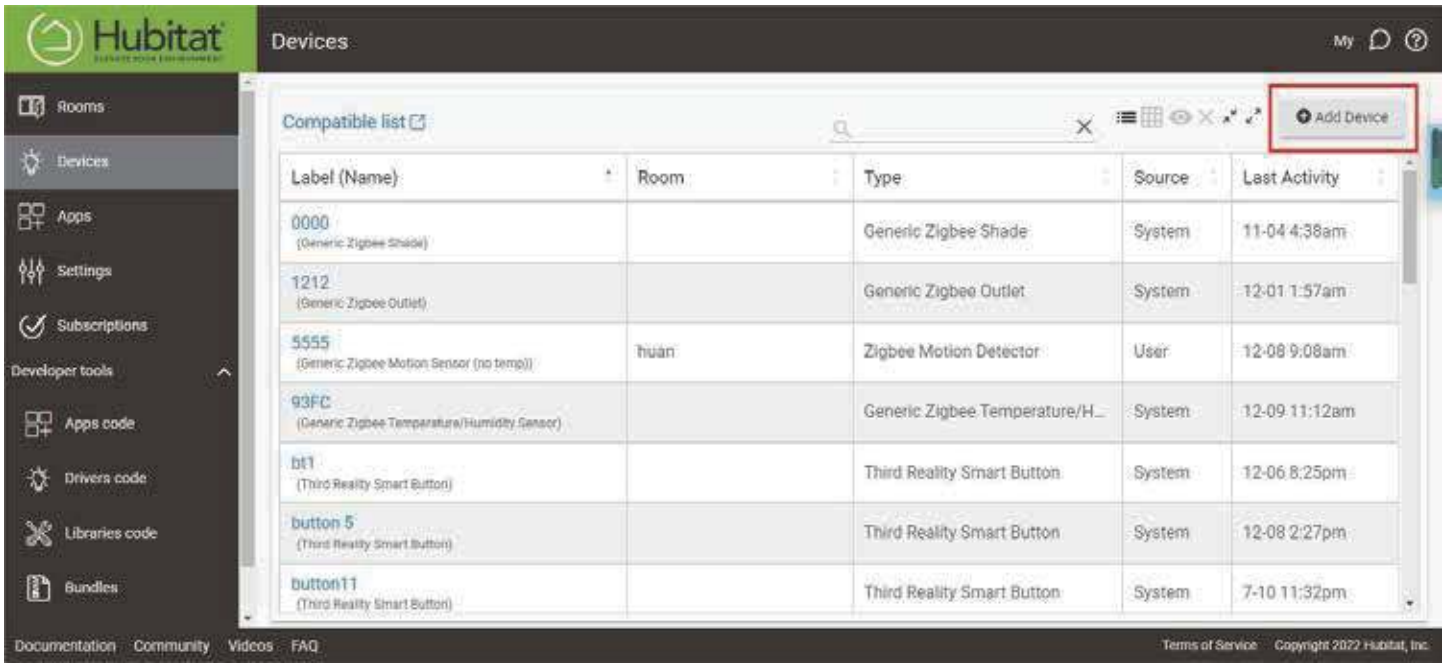
Pairing with Hubitat

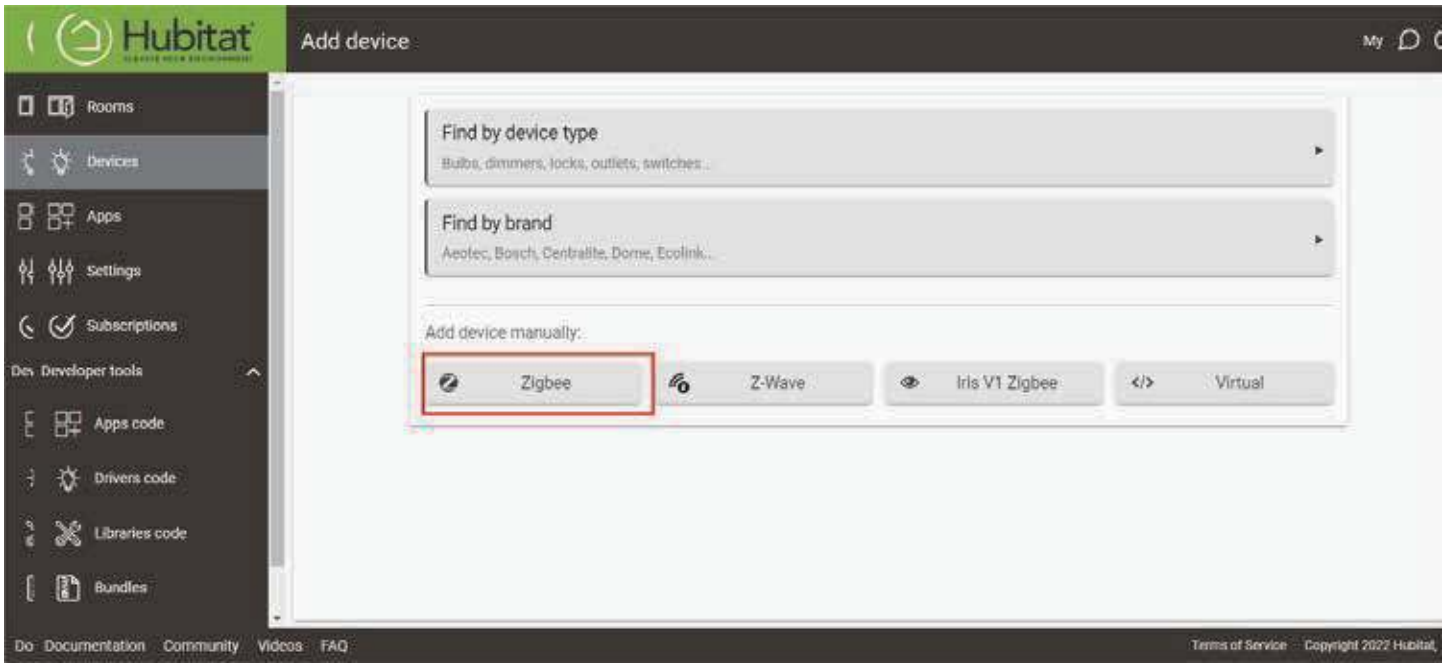
Website: http://find.hubitat.com/

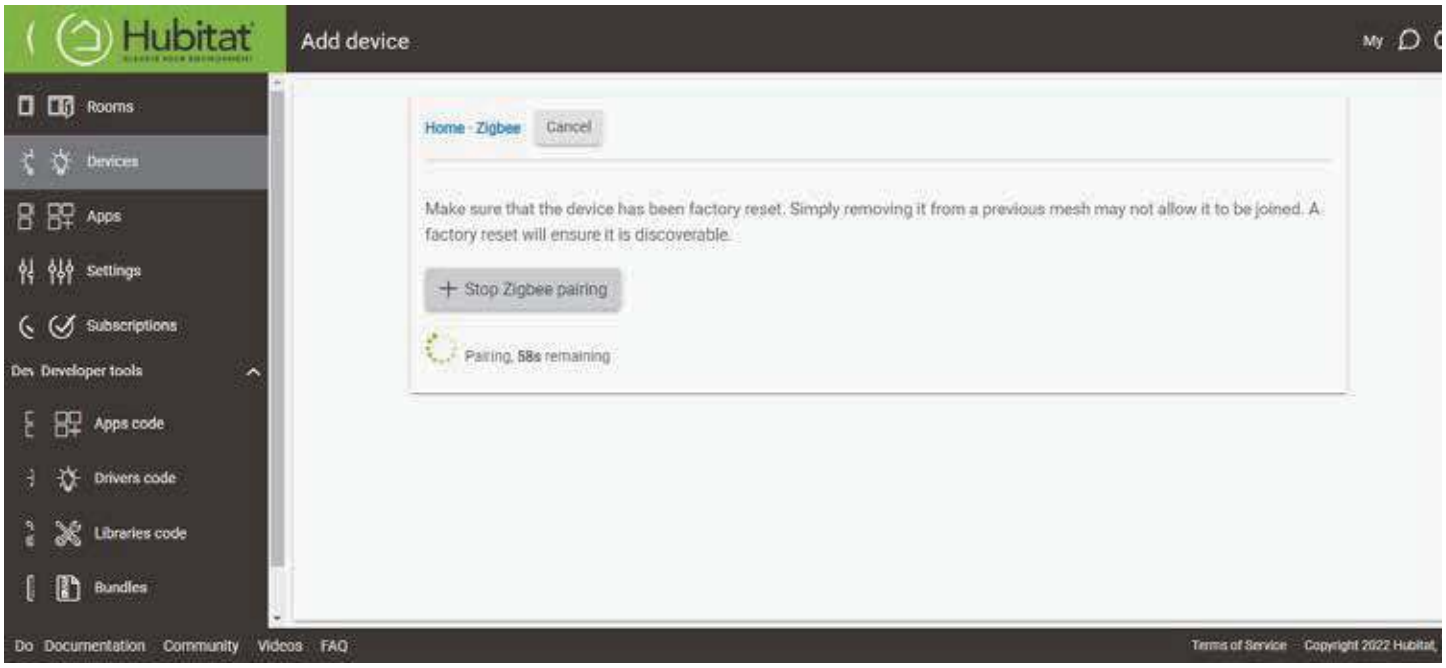


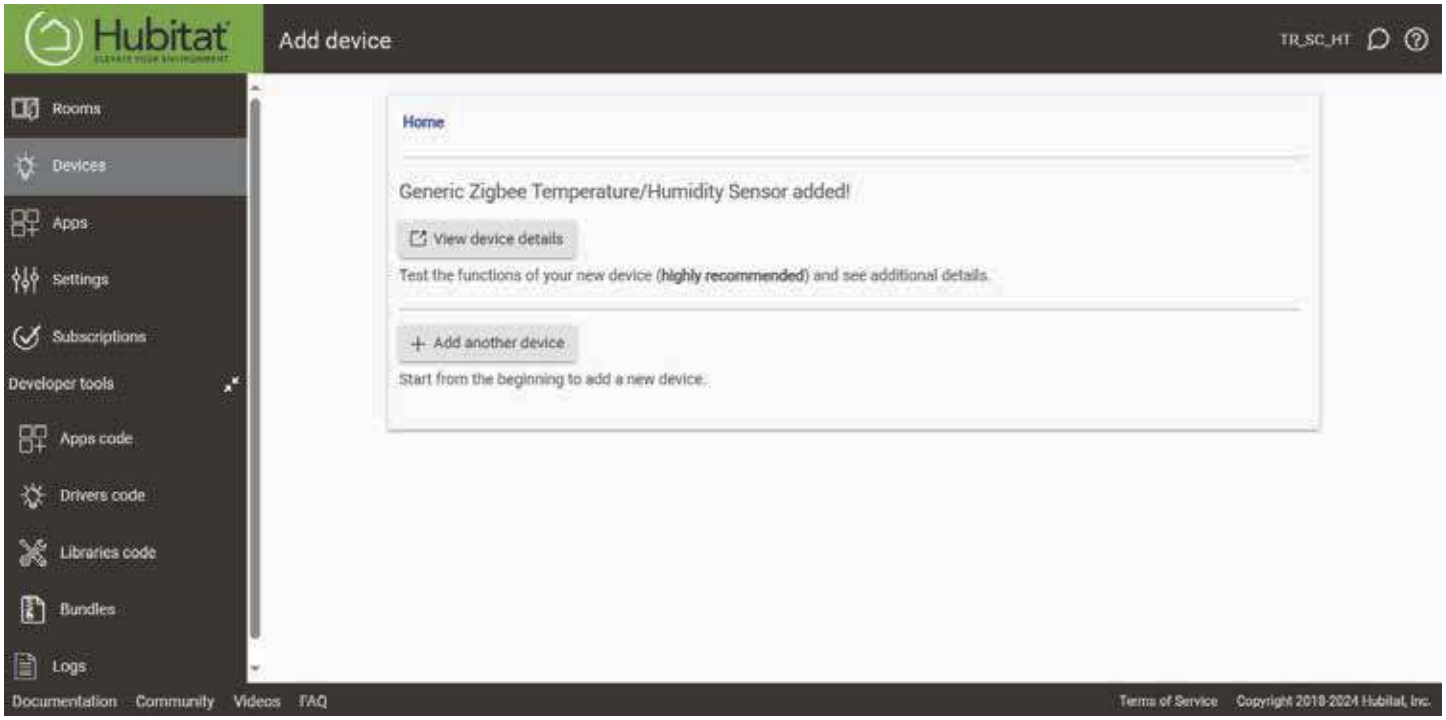
Pairing steps:

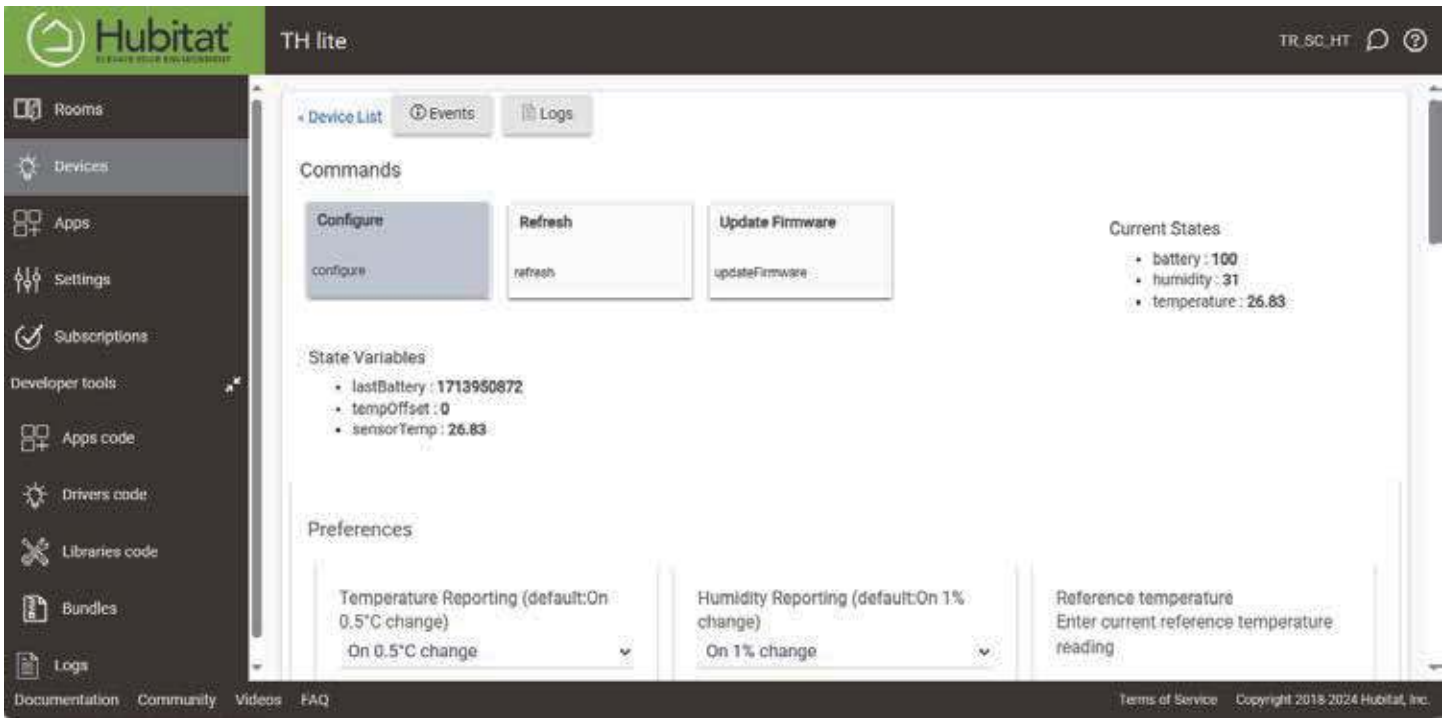
1. Install the batteries. press the reset button until the LED turns red and release. The LED turns blue and flashes, indicating that it is in pairing mode. It will exit Zigbee pairing mode after 3 min if not paired.
2. Tap "Add Device" in Hubitat Devices page.
3. Choose "Zigbee", then "Start Zigbee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

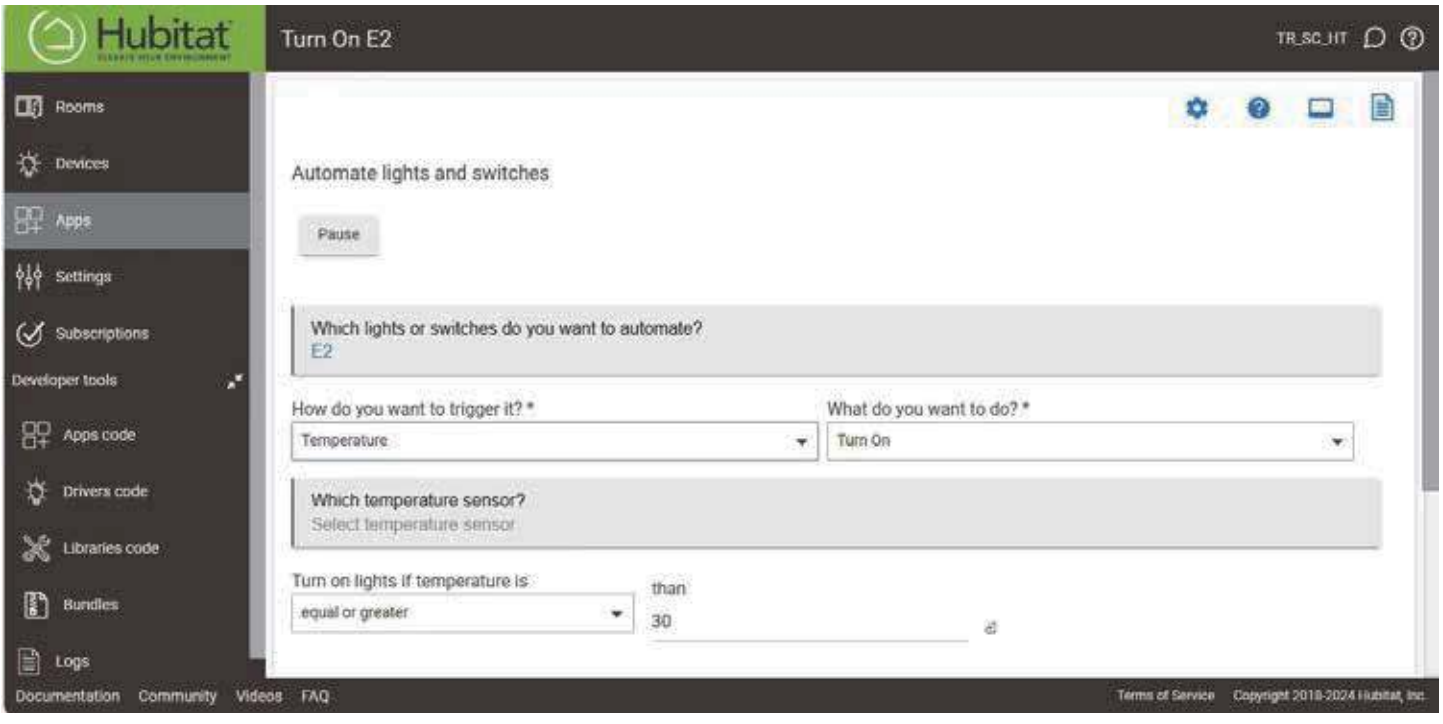

Hubitat
Devices
My
Rooms
Devices
Apps
Settings
Subscriptions
Developer tools
Apps code
Drivers code
Libraries code
Bundles
Compatible list
Add Device
Label (Name)
Room
Type
Source
Last Activity
0000
(Generic Zigbee Shade)
Generic Zigbee Shade
System
11-04 4:38am
1212
(Generic Zigbee Outlet)
Generic Zigbee Outlet
System
12-01 1:57am
5555
(Generic Zigbee Motion Sensor (no temp))
huan
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
Documentation
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Hubitat
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
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Add device
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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
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Add device
TR_SC_HT
Rooms
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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.
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TH lite
TR_SC_HT
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Apps code
Drivers code
Libraries code
Bundles
Logs
Device List
Events
Logs
Commands
Configure
configure
Refresh
refresh
Update Firmware
updateFirmware
Current States
battery : 100
humidity : 31
temperature : 26.83
State Variables
lastBattery : 1713950872
tempOffset : 0
sensorTemp : 26.83
Preferences
Temperature Reporting (default:On 0.5°C change)
On 0.5°C change
Humidity Reporting (default:On 1% change)
On 1% change
Reference temperature
Enter current reference temperature reading
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Turn On E2
TR_SC_HT
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Logs
Automate lights and switches
Pause
Which lights or switches do you want to automate?
E2
How do you want to trigger it? *
Temperature
What do you want to do? *
Turn On
Which temperature sensor?
Select temperature sensor
Turn on lights if temperature is
equal or greater
than
30
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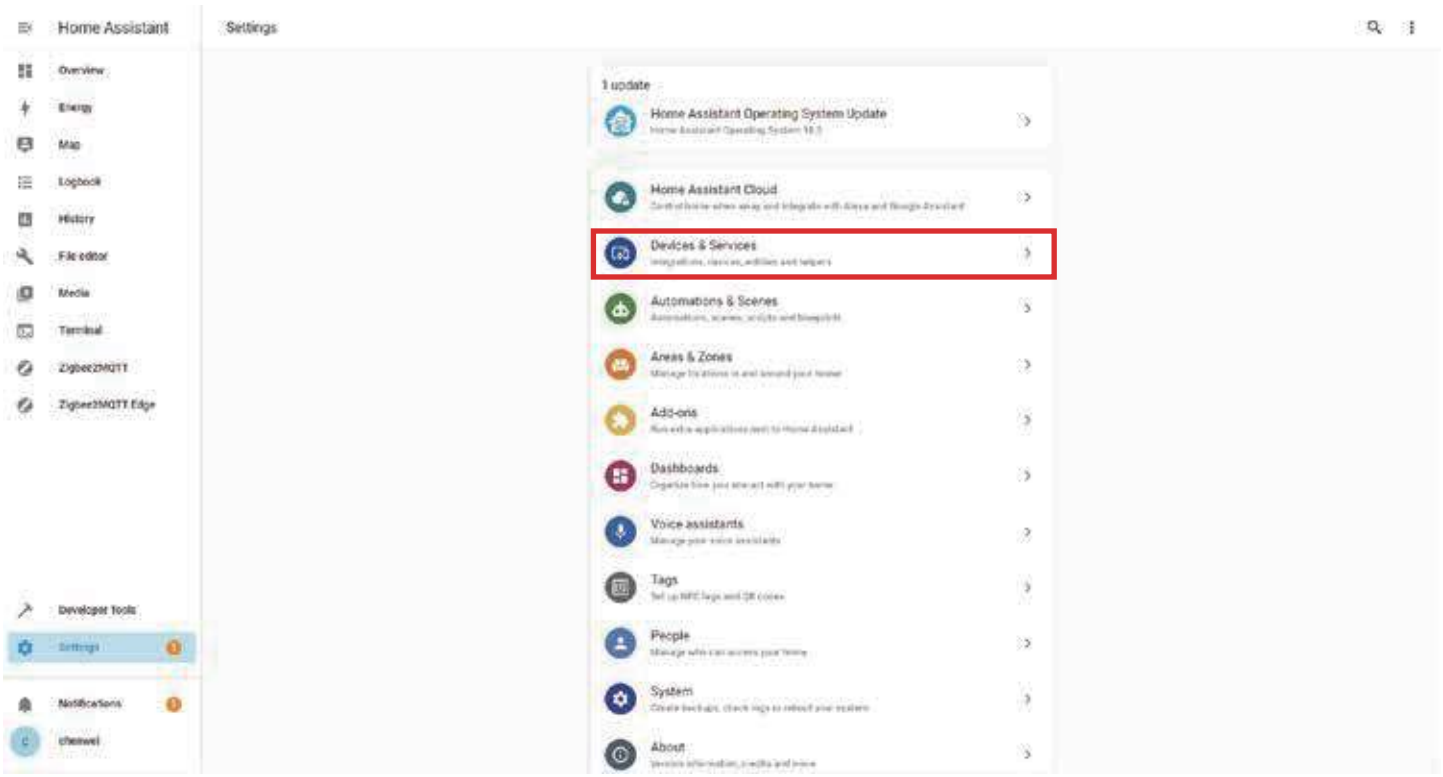
Pairing With Home Assistant

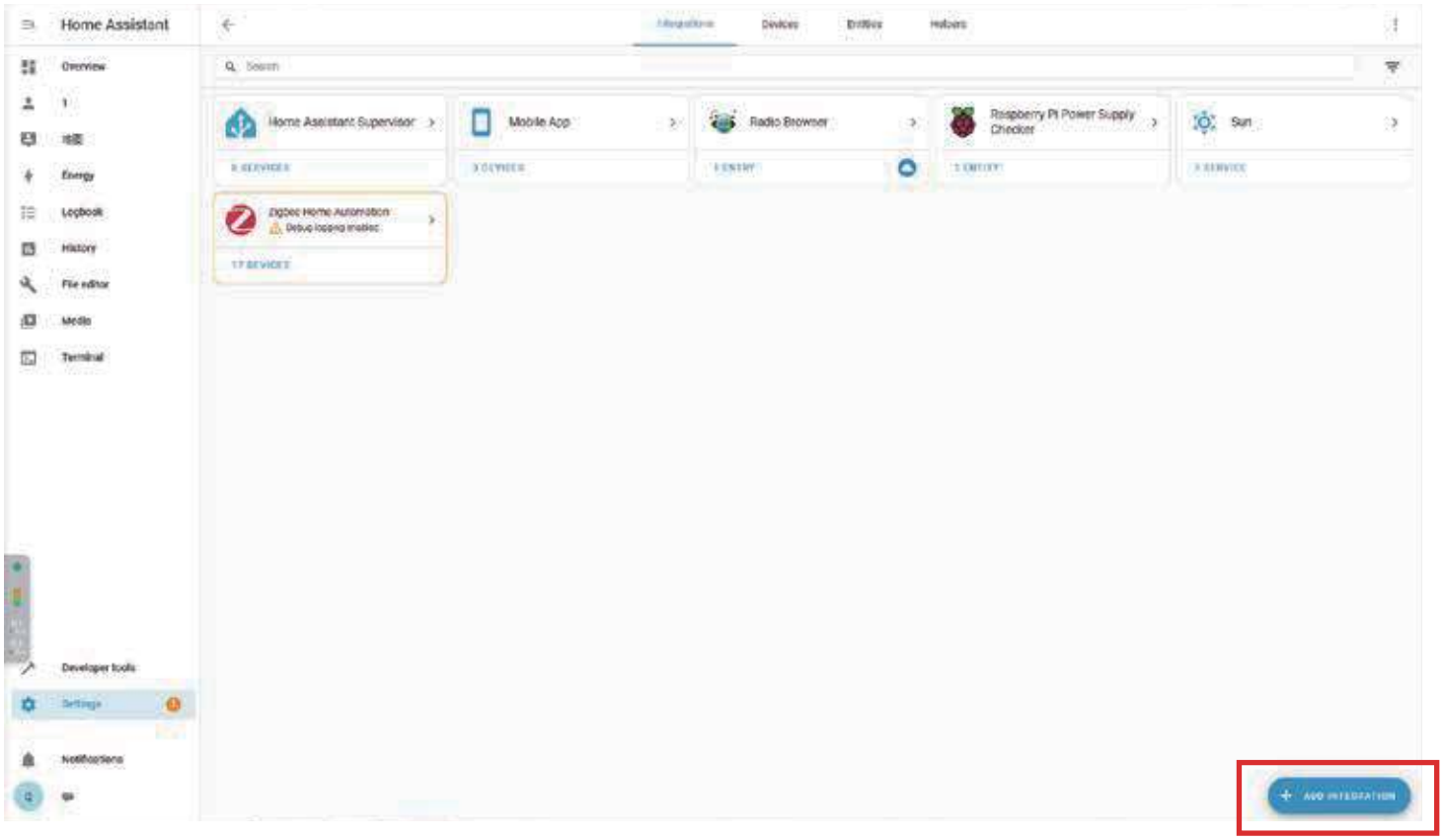
Device: Zigbee dongle

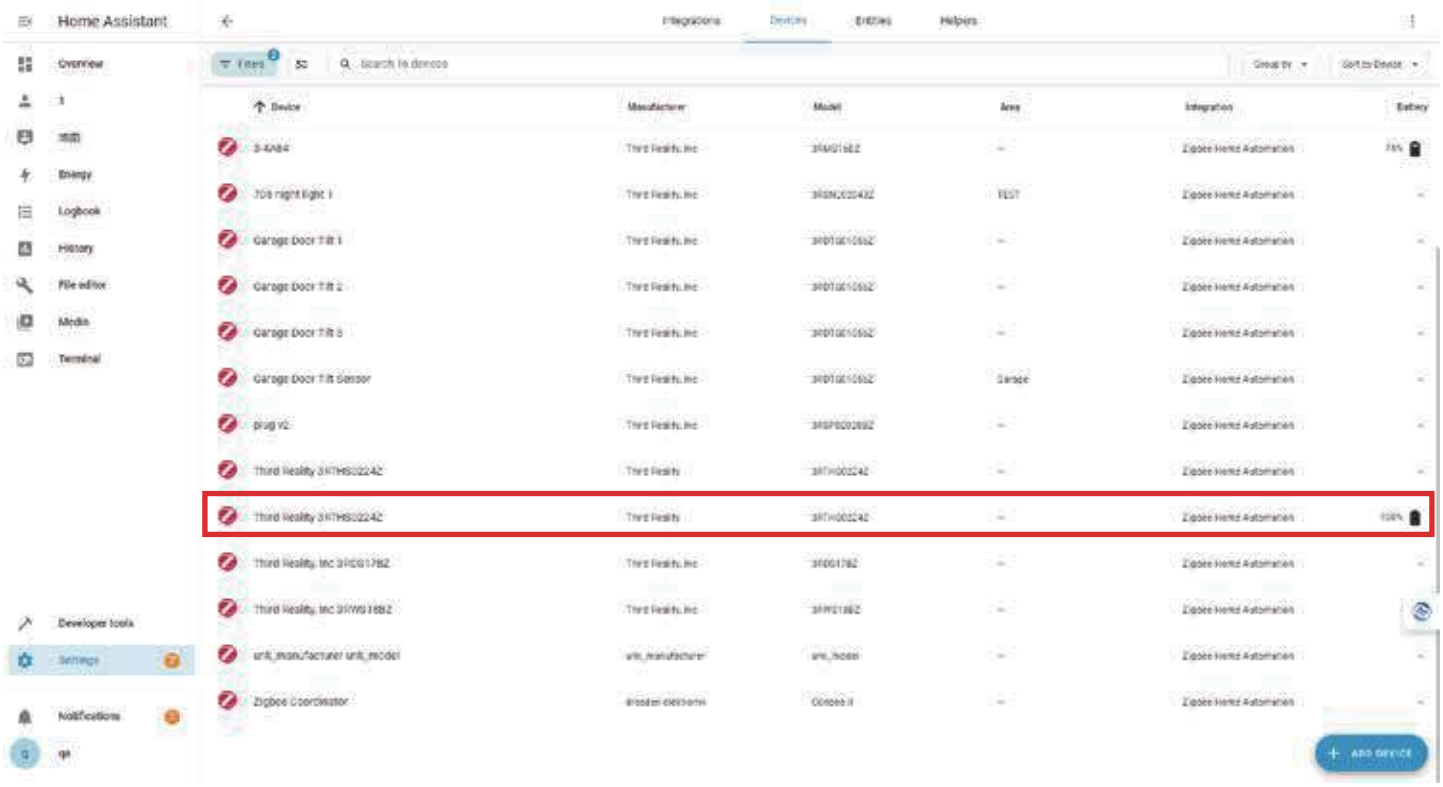


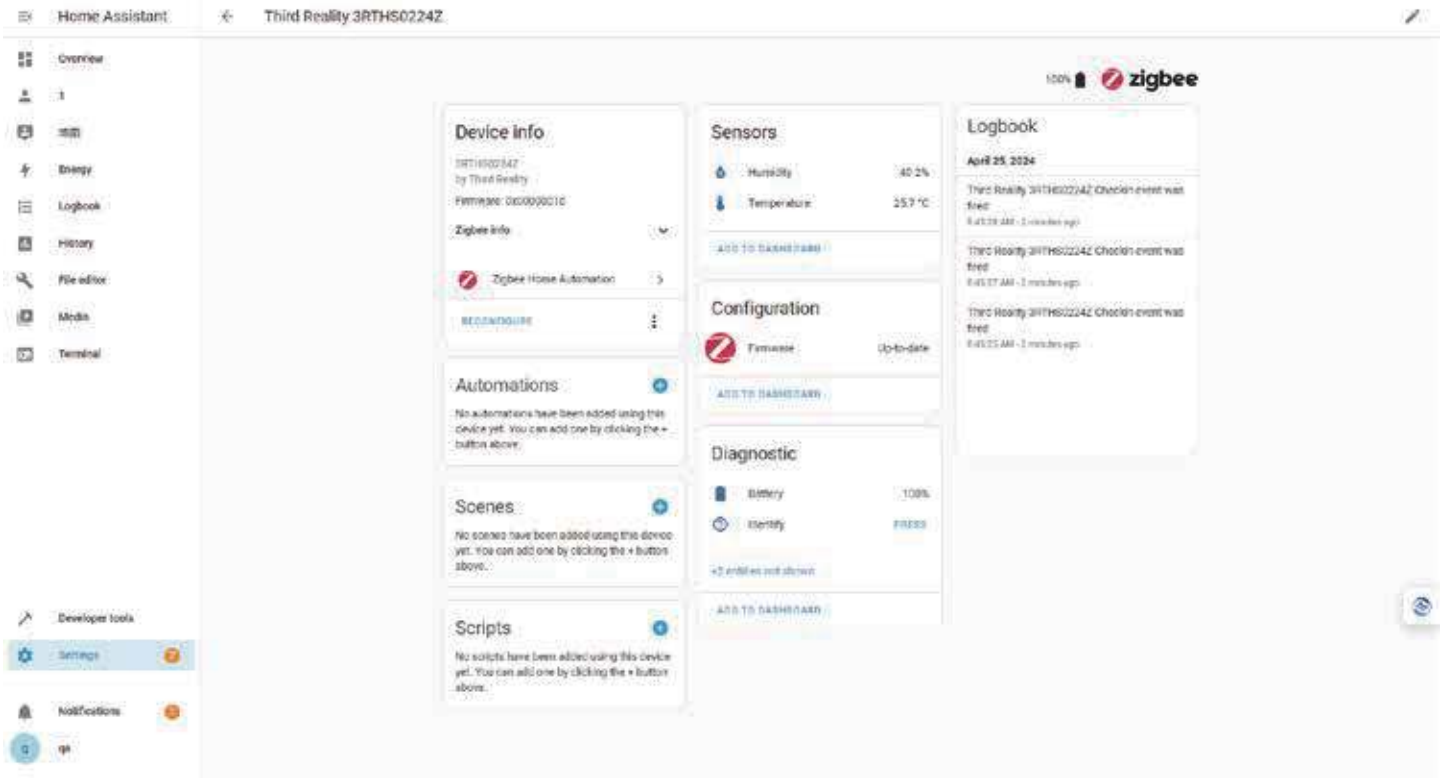
Zigbee Home Automation

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, the 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 dded.
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
Settings
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Logbook
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Media
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Zigbee2MQTT
Zigbee2MQTT Edge
1 update
Home Assistant Operating System Update
Home Assistant Cloud
Devices & Services
Automations & Scenes
Areas & Zones
Add-ons
Dashboards
Voice assistants
Tags
People
System
About
Developer tools
Settings
Notifications
chenwei

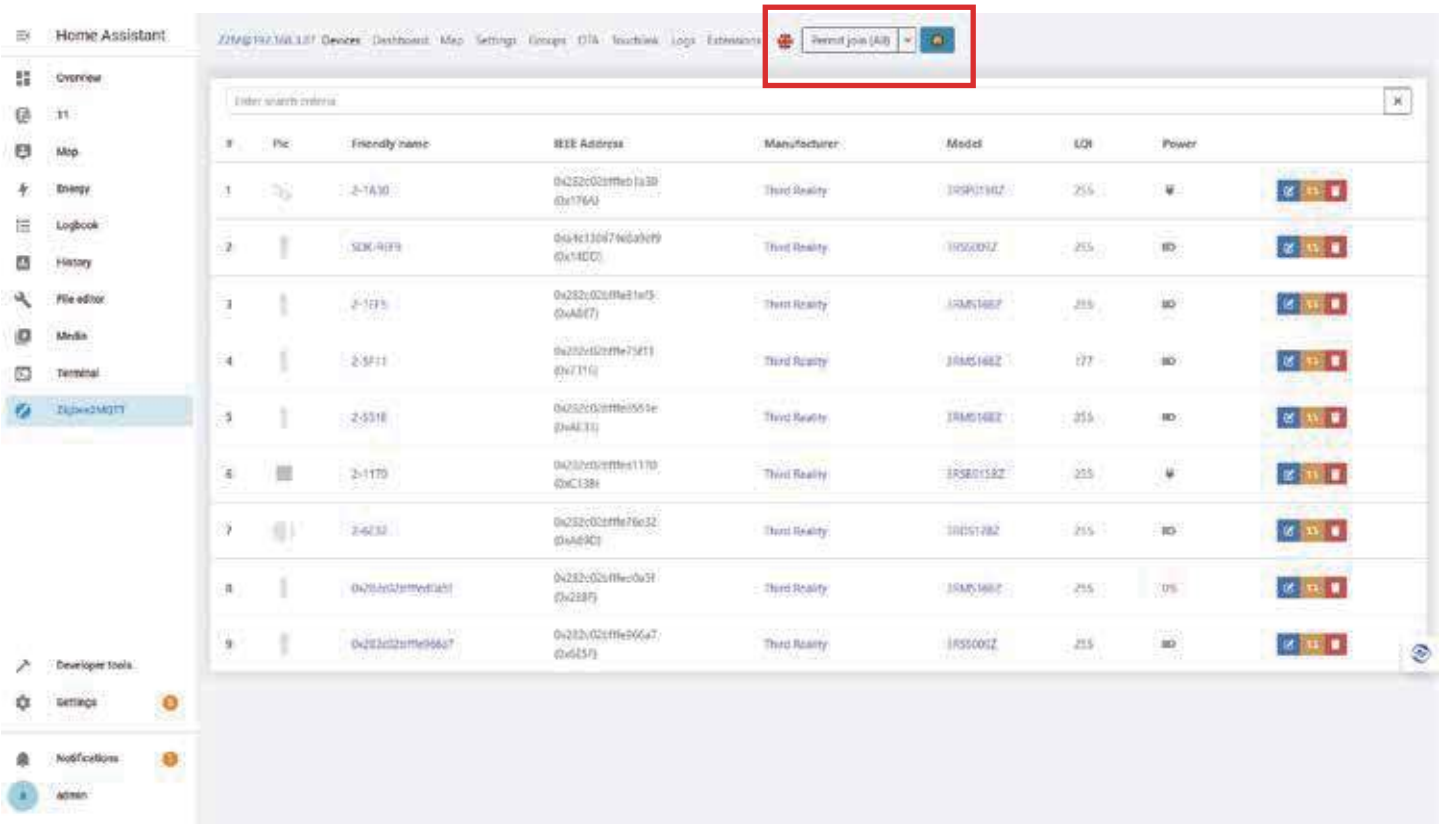

Home Assistant
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Terminal
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Settings
Notifications
Home Assistant Supervisor
Mobile App
Radio Browser
Raspberry Pi Power Supply Checker
Sun
Zigbee Home Automation
ADD INTEGRATION

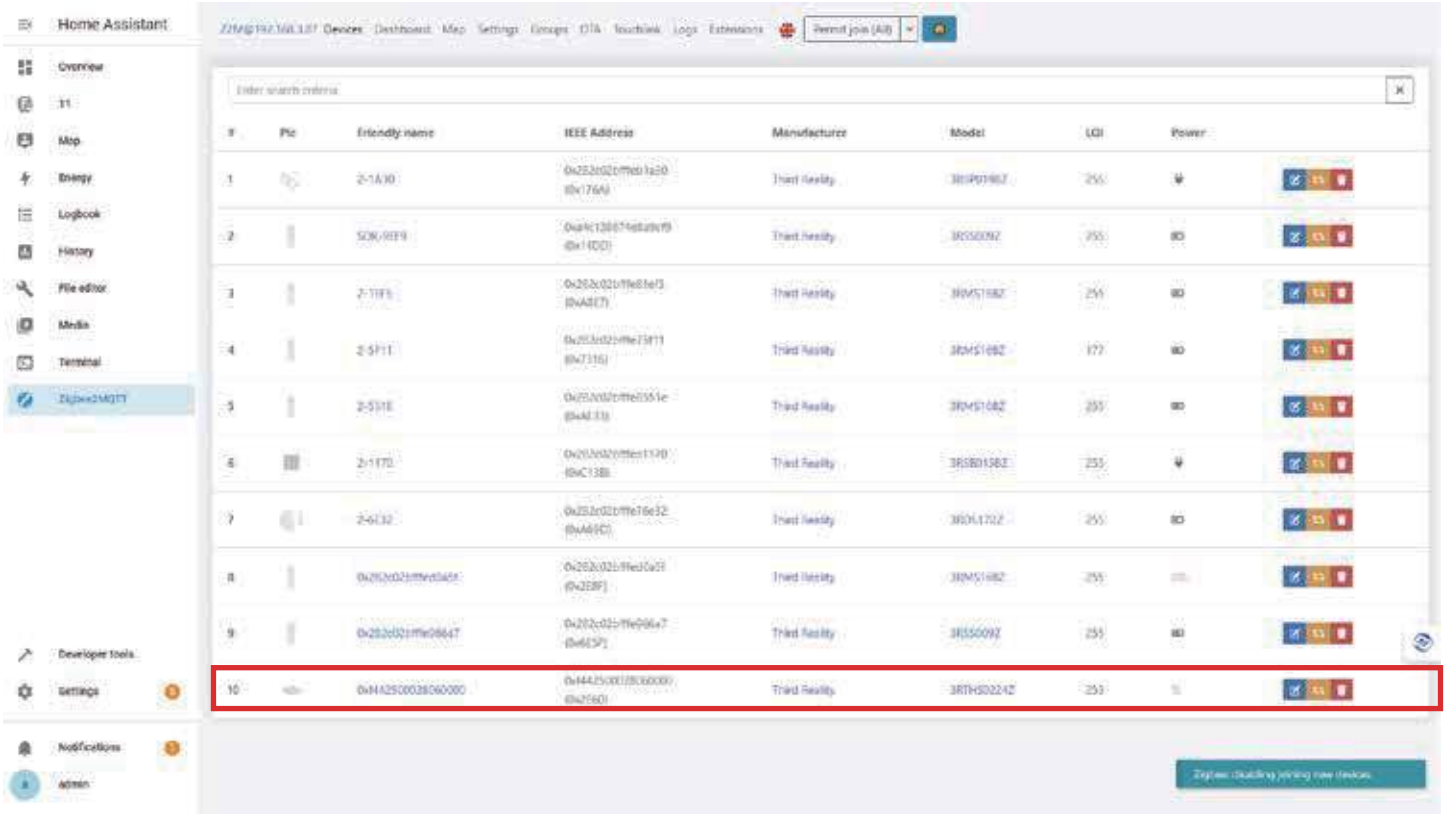

Home Assistant
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Helpers
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History
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Media
Terminal
Developer tools
Settings
Notifications
Device
Manufacturer
Model
Area
Integration
Battery
Third Reality 3RTHS0224Z
ADD DEVICE

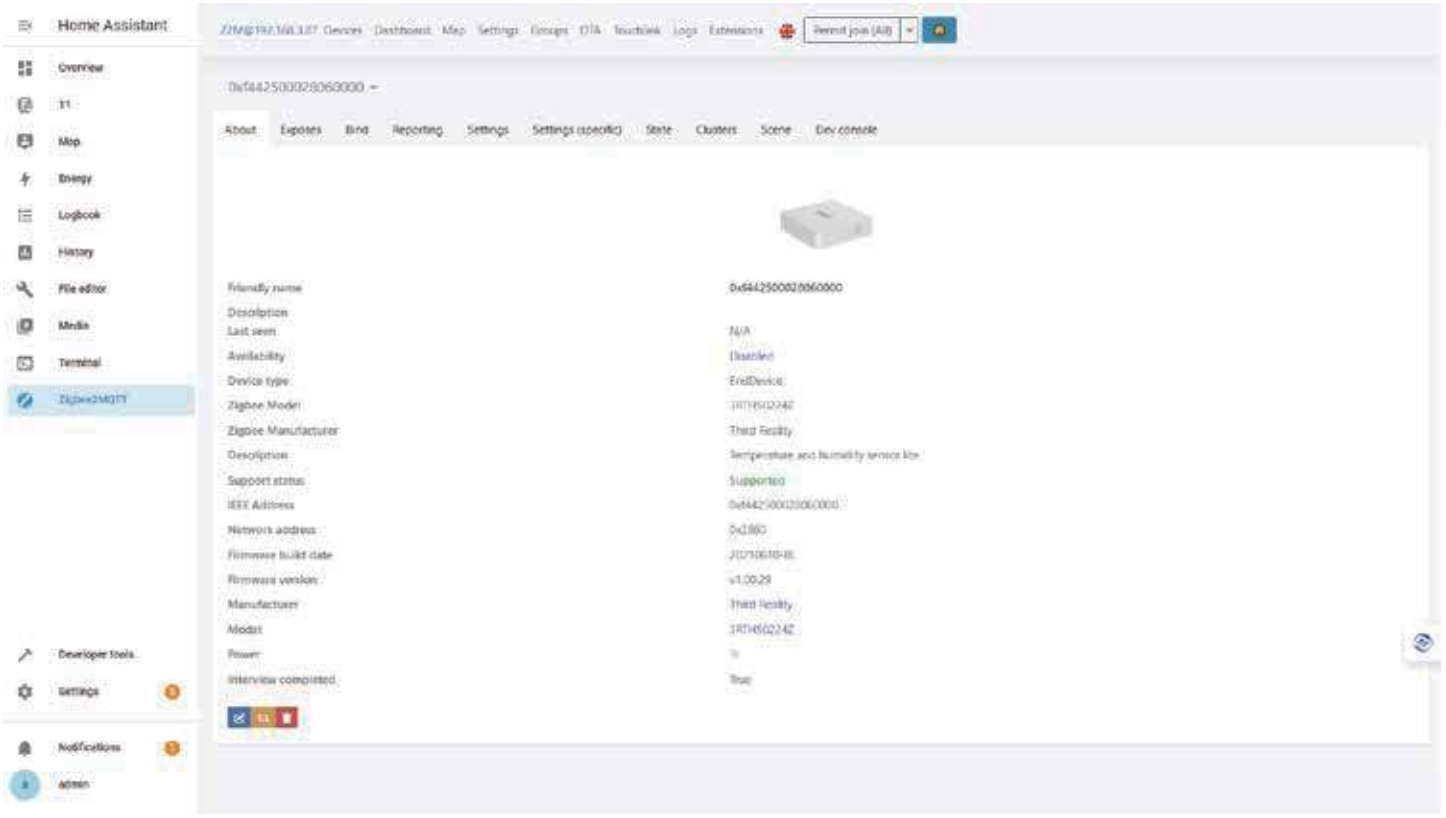

Home Assistant
Third Reality 3RTHS0224Z
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Settings
Notifications
zigbee
Device info
Zigbee info
Zigbee Home Automation
RECONFIGURE
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Scripts
Sensors
Humidity
40.2%
Temperature
25.7 °C
ADD TO DASHBOARD
Configuration
Firmware
Up-to-date
Diagnostic
Battery
100%
Identify
Logbook
April 25, 2024

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.




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Zigbee2MQTT
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Touchlink
Logs
Extensions
Permit join (All)
Friendly name
IEEE Address
Manufacturer
Model
LQI
Power
Third Reality


Home Assistant
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About
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Bind
Reporting
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Settings (specific)
State
Clusters
Scene
Dev console
Friendly name
Description
Last seen
Availability
Device type
Zigbee Model
Zigbee Manufacturer
Description
Support status
IEEE Address
Network address
Firmware build date
Firmware version
Manufacturer
Model
Power
Interview completed
Third Reality
Supported
N/A
EndDevice

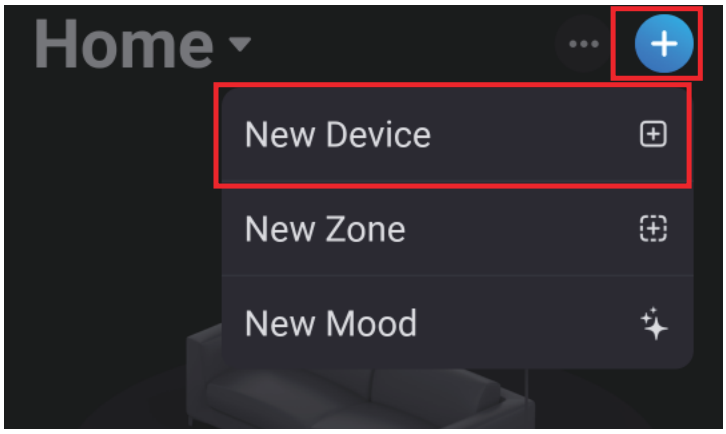
Pairing with Homey

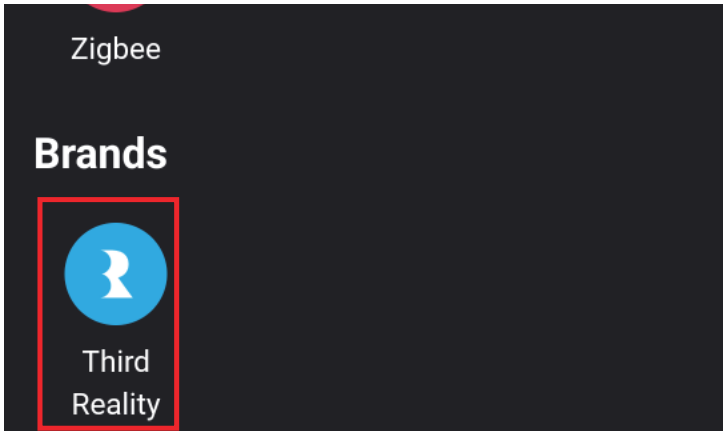
App：Homey

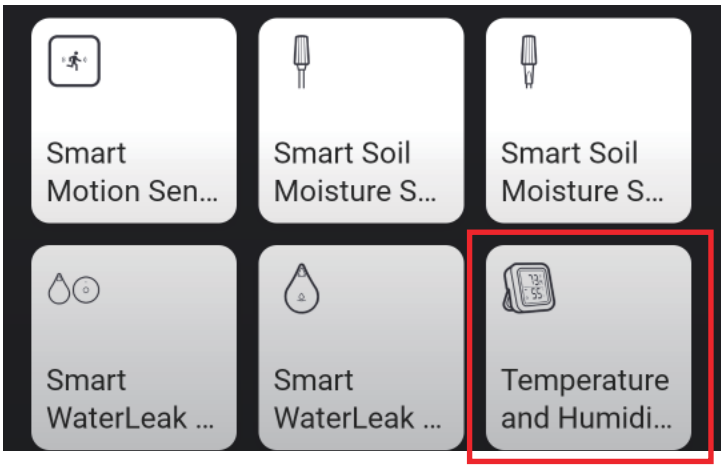
Devices: Homey Pro, Homey Bridge

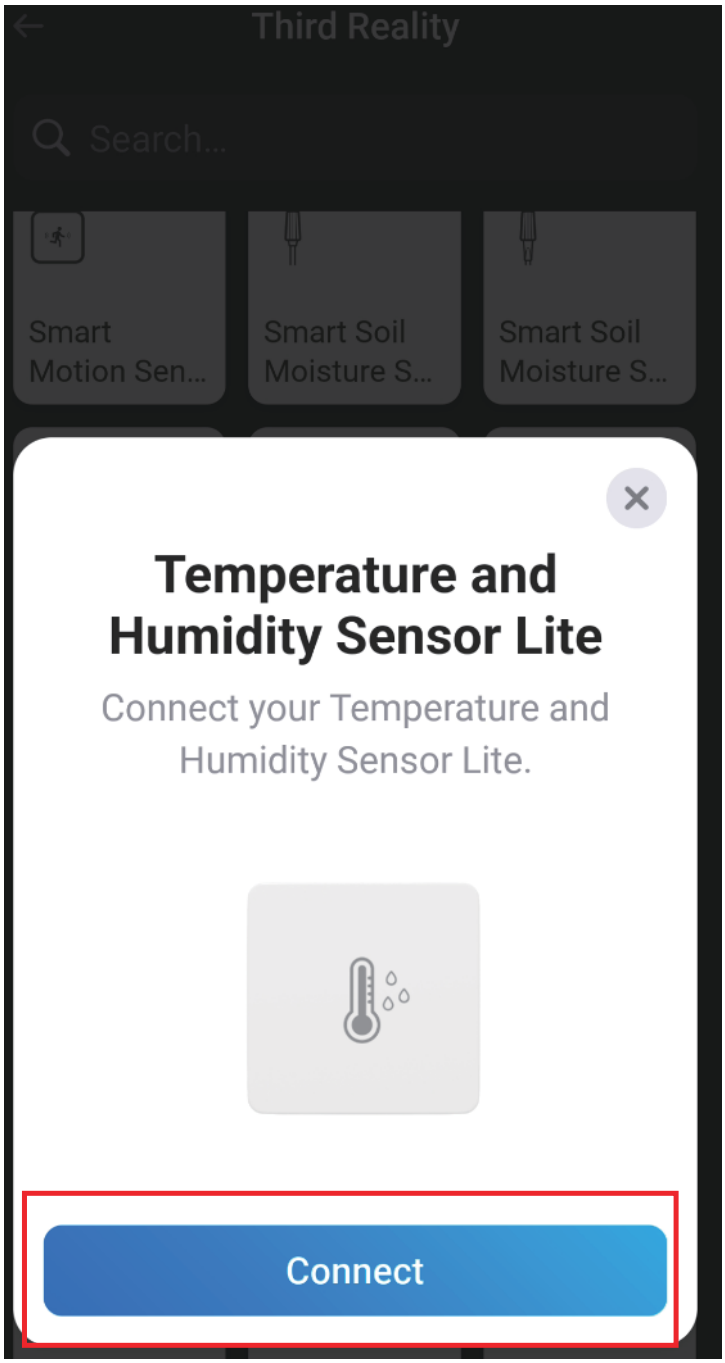


1. Install the Third Reality App in your Homey App.
2. Install the batteries. press the reset button until the LED turns redand release. The LED turns blue and flashes, indicating that it is inpairing mode. It will exit Zigbee pairing mode after 3 min if not-paired.
3. Tap "+" in the Devices, tap → "New Device" → "Third Reality" → "Temperture and Humidity Sensor Lite" → "Connect" and follow the instruction to add device.
4. After the pairing is successful, you can see details and create routines on the "Device" page.

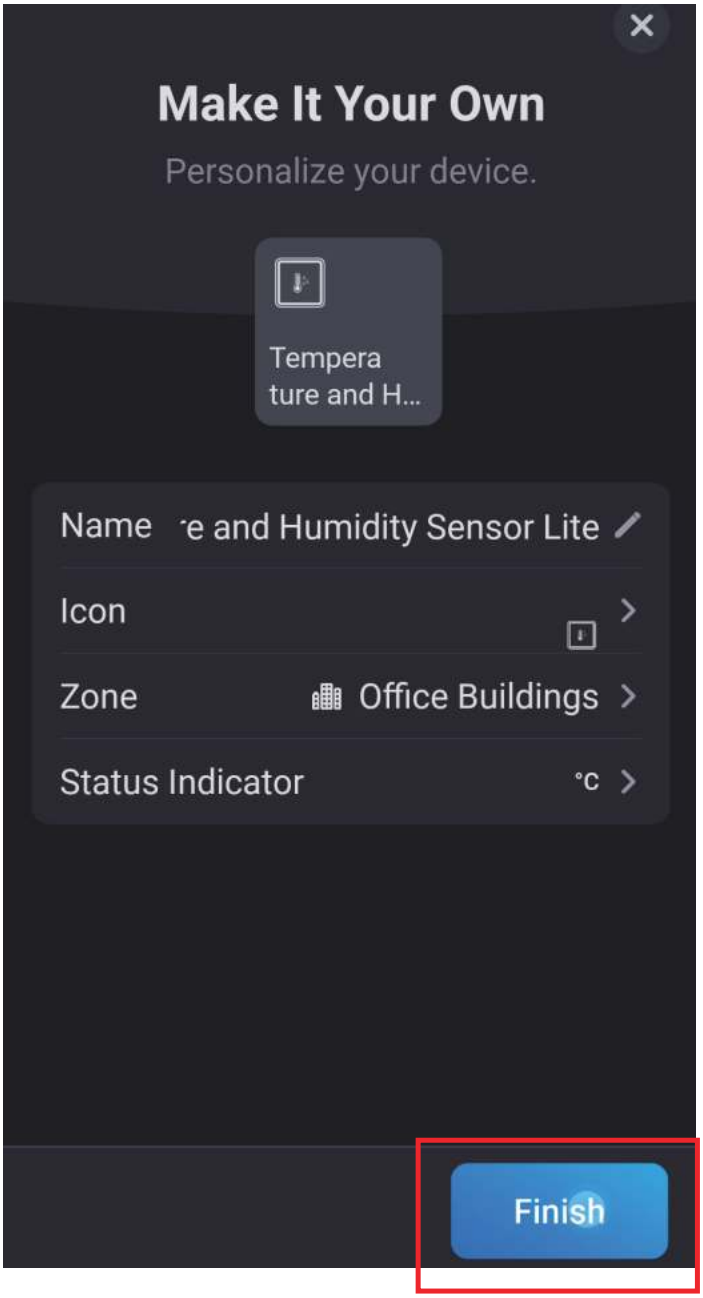

Home
New Device
New Zone
New Mood

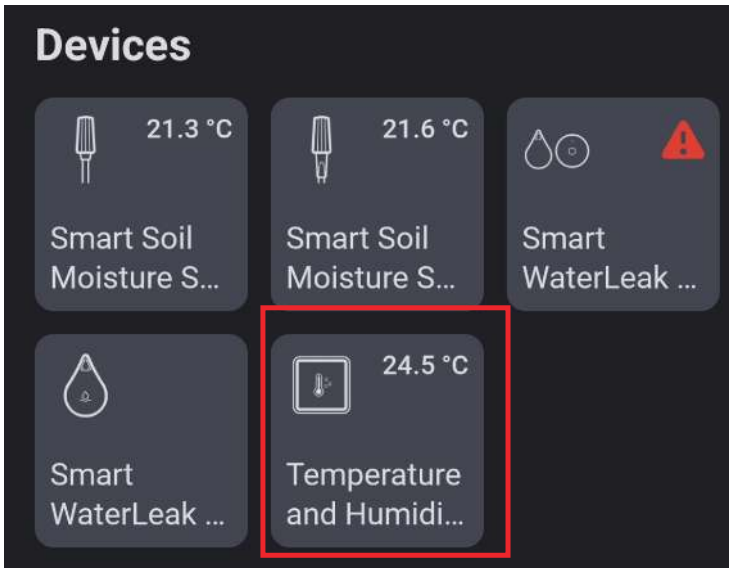

Zigbee
Brands
Third Reality


Smart Motion Sen...
Smart Soil Moisture S...
Smart Soil Moisture S...
Smart WaterLeak ...
Smart WaterLeak ...
Temperature and Humidi...


Third Reality
Search...
Smart Motion Sen...
Smart Soil Moisture S...
Smart Soil Moisture S...
Temperature and Humidity Sensor Lite
Connect your Temperature and Humidity Sensor Lite.
Connect


Device Connected
Ready to complete its setup?
Tempera ture and H...
Continue Setup →
Skip


Make It Your Own
Personalize your device.
Tempera
ture and H...
Name e and Humidity Sensor Lite
Icon
Zone
Office Buildings
Status Indicator
°C
Finish


Devices
21.3 °C
Smart Soil
Moisture S...
21.6 °C
Smart Soil
Moisture S...
Smart
WaterLeak ...
Smart
WaterLeak ...
24.5 °C
Temperature
and Humidi...


Temperature and Humidity...
59 %
Humidity
24.5 °C
Temperature

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 **https://thirdreality.com/faq-help-center/**.
For customer support, please contact us at **info@3reality.com** or visit **www.thirdreality com.**
For question on other platforms, visit for corresponding platform’ s application/support platforms.

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 présentappareilestconforme aux CNR d'Industrie Canada applicables aux appareils
radio exempts de licence. L'exploitationestautorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareildoit accepter tout brouillageradioélectriquesubi, mêmesi le brouillageest susceptible d'encompromettre le fonctionnement.

This radio transmitter has been approved by Industry Canada to operate with theantenna 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 thisdevice.

Le présentémetteur radio aétéapprouvé par Industrie Canada pour fonctionner avecles types d'antenneénumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclusdanscetteliste, etdont le gain estsupérieur au gain maximal indiqué, sontstrictementinterdits 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.

Déclarationd'exposition aux radiations

Cetéquipementestconforme Canada limitesd'exposition aux radiations dans un environnement non contrôlé. Cetéquipementdoitêtreinstallé 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 dispositifsfonctionnantdans la bande de 5150 à 5250MHz sontréservésuniquement pour uneutilisation à l'intérieurafin de réduire les risques de brouillagepréjudiciable aux systèmes de satellites mobiles utilisant les mêmescanaux;