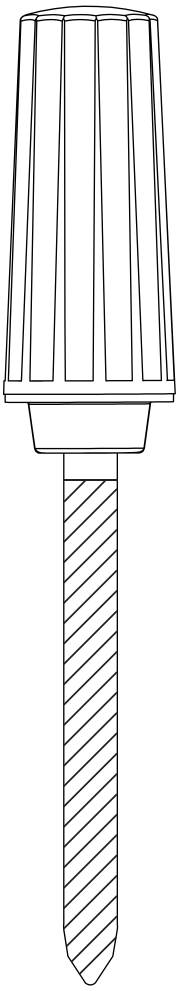
Smart Soil Moisture Sensor

User Manual



THIRDREALITY

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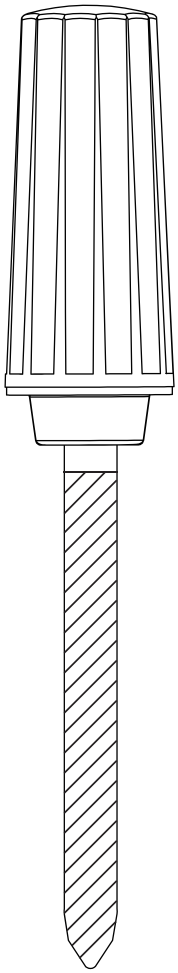
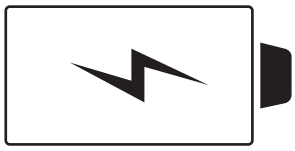
Introduction

Smart Soil Moisture Sensor is able to detect the environmental conditions of the soil in real time and transmit the data to your smart system through wireless communication capabilities.

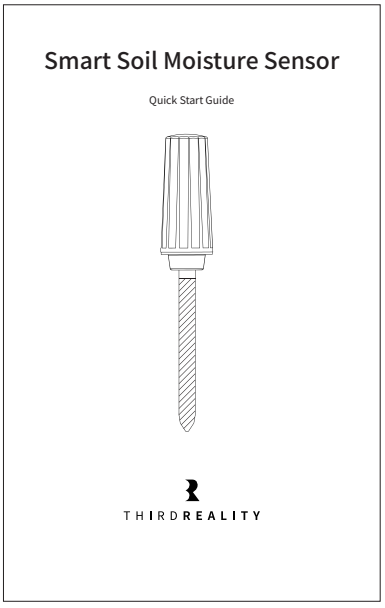
What's in the Box



Smart Soil Moisture Sensor



AA Battery

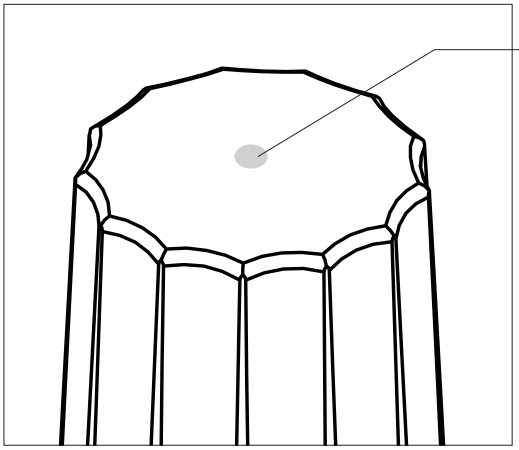


User Guide

Specifications

Name	Smart Soil Moisture Sensor
Model	3RSM0147Z
Operating Voltage	DC 1.5V
Battery Type	1 x AA Alkaline Battery (included)
Wireless Connectivity	Zigbee 3.0
Working condition	-10°C~50°C(14°F~122°F) RH 0～100%
Temperature Range	-10°C~50°C(14°F~122°F)
Temperature Accuracy	±1.5°C
Humidity Range	0～100%
Humidity Accuracy	±3%

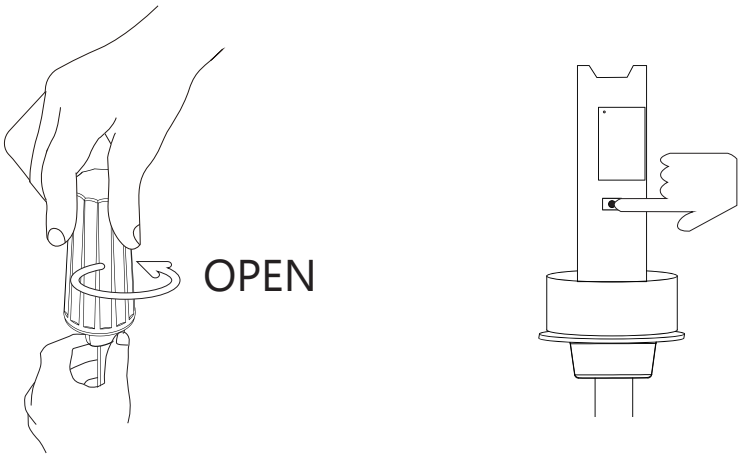
LED Status



LED Status	**Description**
Blue blinking	Pairing mode
Red slow blinking	Offline
Red double blinking	Low battery

Setup

1. Open the battery cover. Remove the battery insulation tab and install the battery.

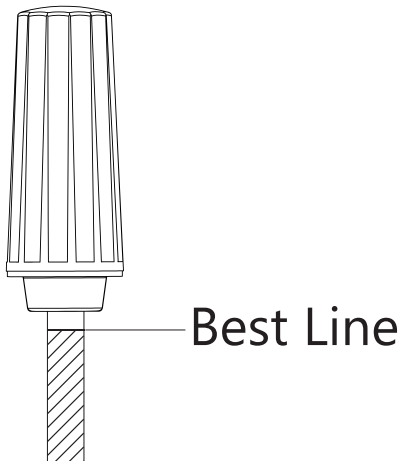


2. Press and hold the reset button for 5 seconds until the LED light turns red, release the reset button and the LED starts blue blinking, indicating it enters Zigbee pairing mode.
3. Follow the instructions of your smart home hub /smart speaker with built-in Zigbee radio to pair the sensor in the corresponding app.

Installation

Recomand: Use a suitable tool to dig a small hole in the soil and then insert the sensor.

* When installing the sensor, make sure the marked best line is flush with the soil surface.



* Friction can damage the sensor and affect its accuracy. It is not recommended to insert the sensor directly into hard soil, which may damage the sensor.
* Designed to measure soil moisture ONLY.

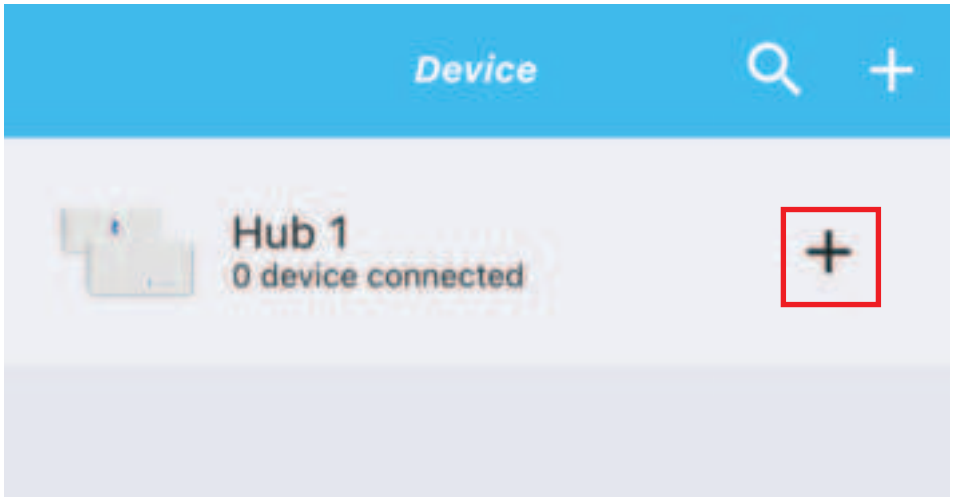
Pairing with ThirdReality

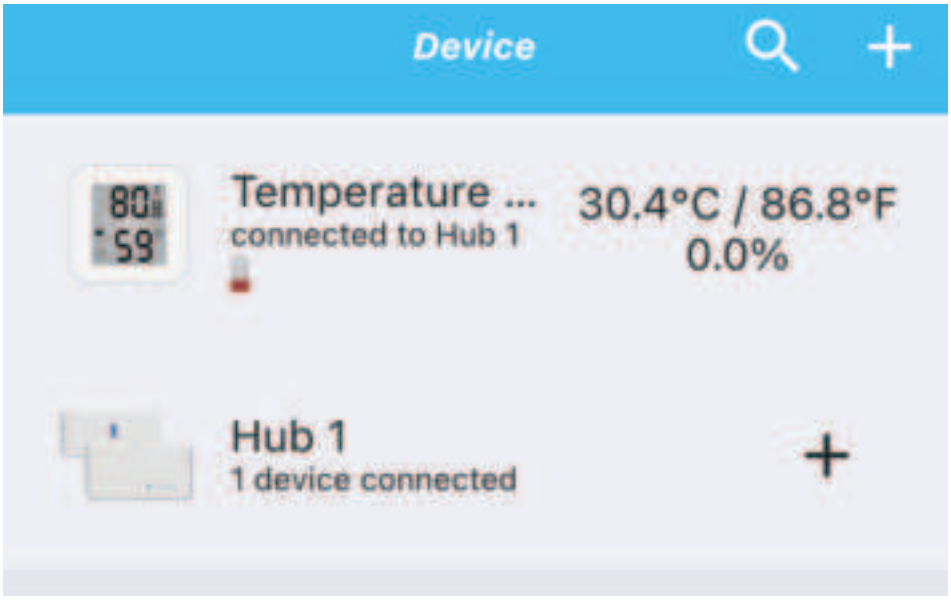
App: Third Reality App

Device: ThirdReality Smart Hub

Pairing steps:

1. Download and install the Third Reality App, or update it to the latest version.
2. Register and sign in your Third Reality account, and set up the Third Reality smart hub.
3. Open the battery cover, install the battery, press and hold the reset button for 5 seconds and release the hold; The blue blinking LED light indicates the sensor enters Zigbee pairing mode.
4. Tap “+” in the up right in the Third Reality app, tap Quick Pair and follow the on-screen instructions to start the pairing process.
5. The sensor will be discovered within one minute as “Temperature and Humidity Sensor 1”, the temperature and humidity data will be displayed in the device list .
6. Tap the device icon to enter the device page, check more information like the MAC address, battery level, software version and history records etc, tap the sensor name to rename it, and check for software updates.


Device
Hub 1
0 device connected


Device
Temperature ...
connected to Hub 1
30.4°C / 86.8°F
0.0%
Hub 1
1 device connected

Pairing with 3R-Installer

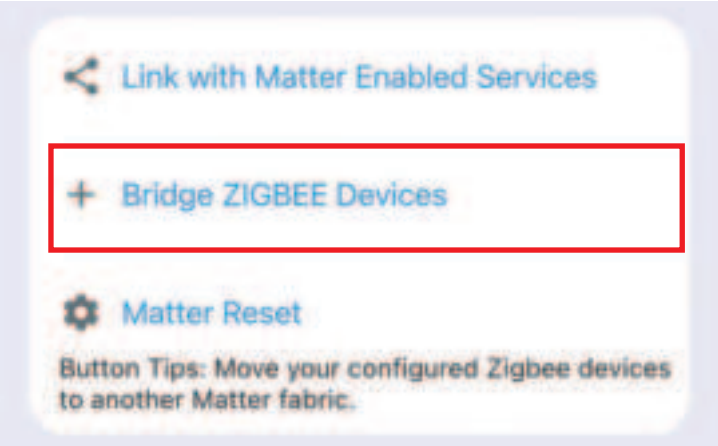
App: 3R-Installer App

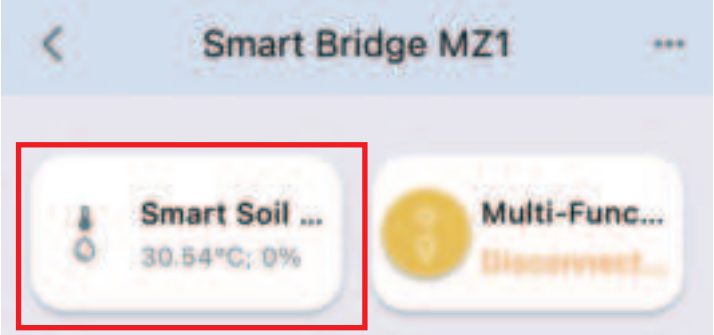
Device: Smart Bridge MZ1

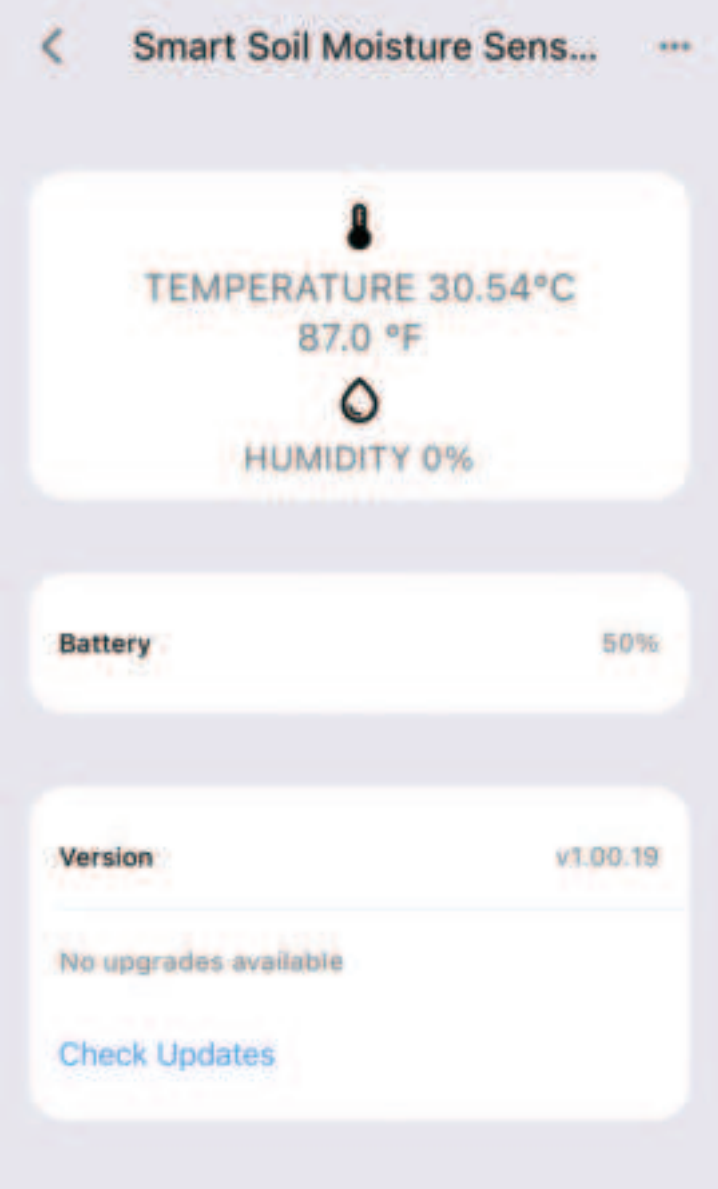
Pairing steps:

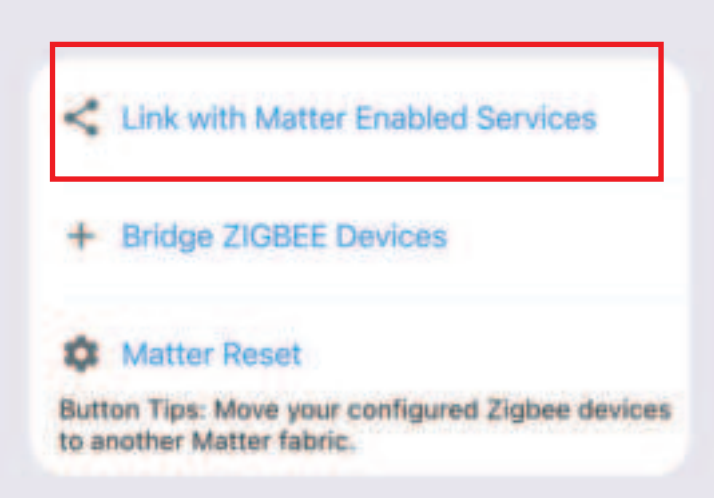
1. Set up your smart bridge, make sure both the 3R-Installer App and the smart bridge's firmware are in the latest version.
2. Open the battery cover and install the batteries, press and hold the reset button for 5 seconds and release the hold; The LED light turns blue blinking, indicating it enters pairing mode.
3. 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.
4. 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.

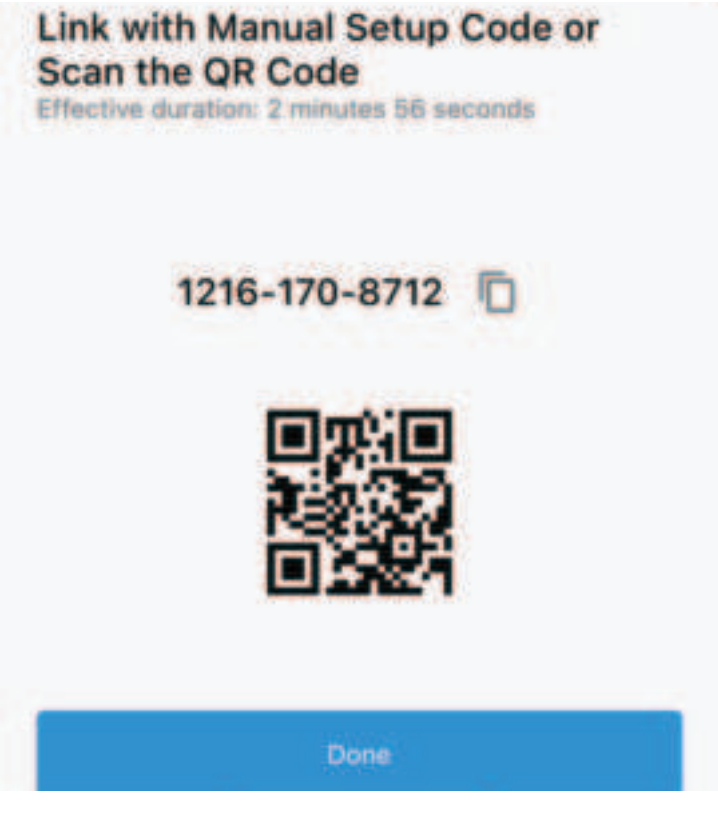

Device
Smart Bridge...
0 device


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


Smart Bridge MZ1
Smart Soil ...
30.54°C; 0%
Multi-Func...


Smart Soil Moisture Sens...
TEMPERATURE 30.54°C
87.0 °F
HUMIDITY 0%
Battery
50%
Version
v1.00.19
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

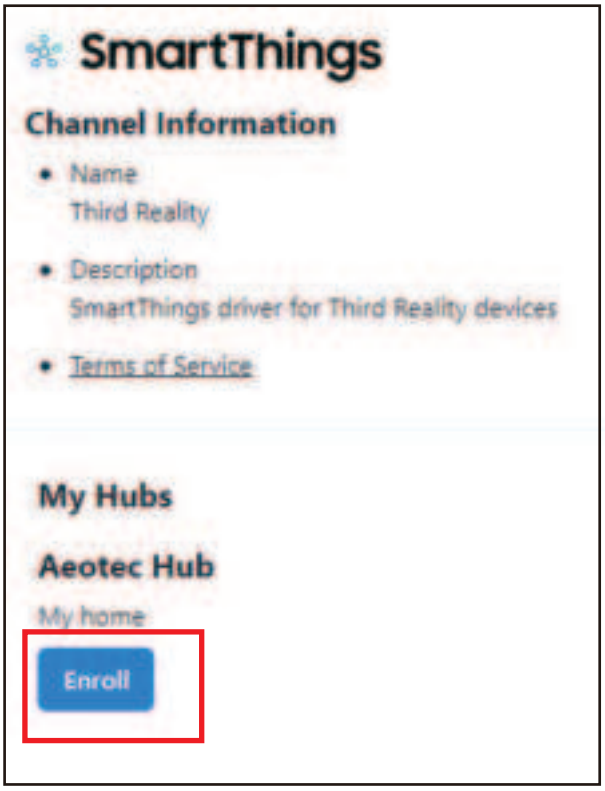
Pairing with SmartThings

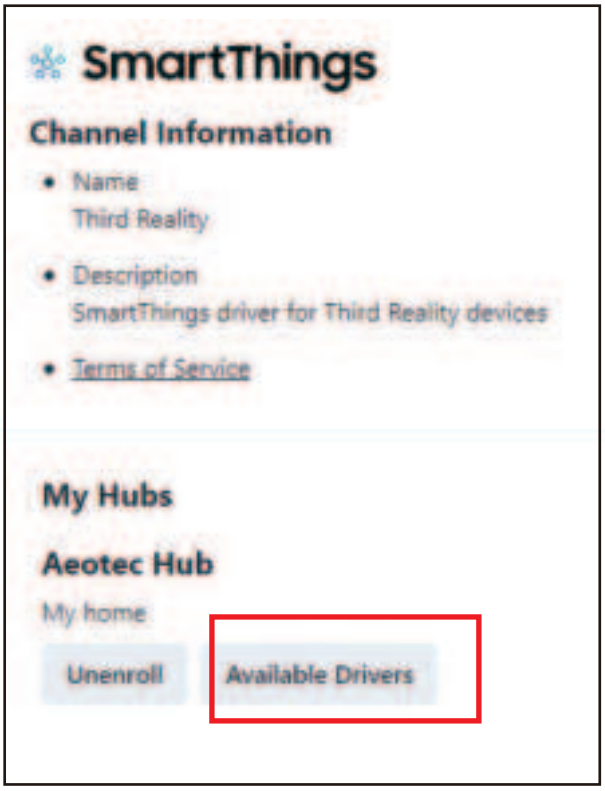
App: SmartThings App
Devices: SmartThings Hub 2nd Gen(2015) and 3rd Gen(2018), Aeotec Smart Home Hub.

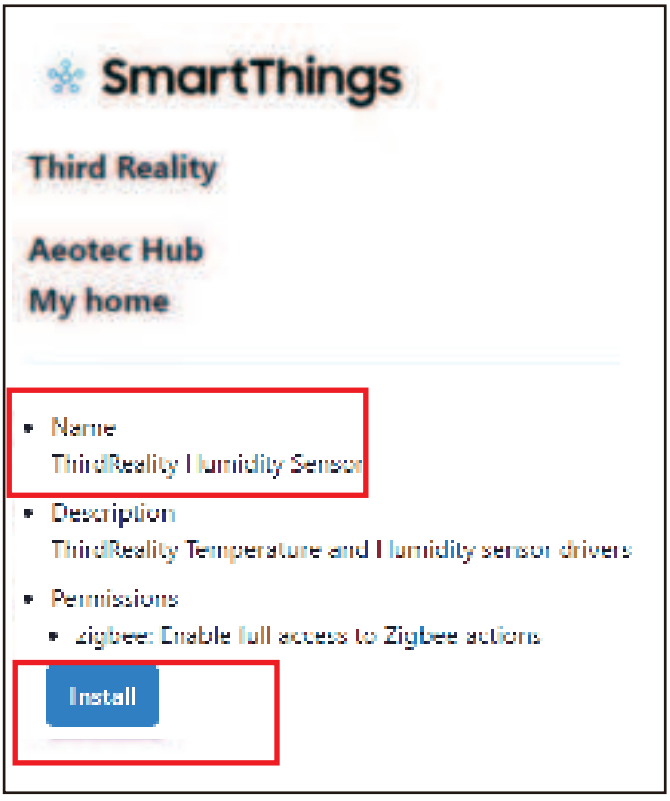
Pairing steps:

1. Before pairing, check for updates to make sure the SmartThings Hub firmware is up to date.
2. Add SmartThings drivers for Third Reality Temperature and Humidity Sensor

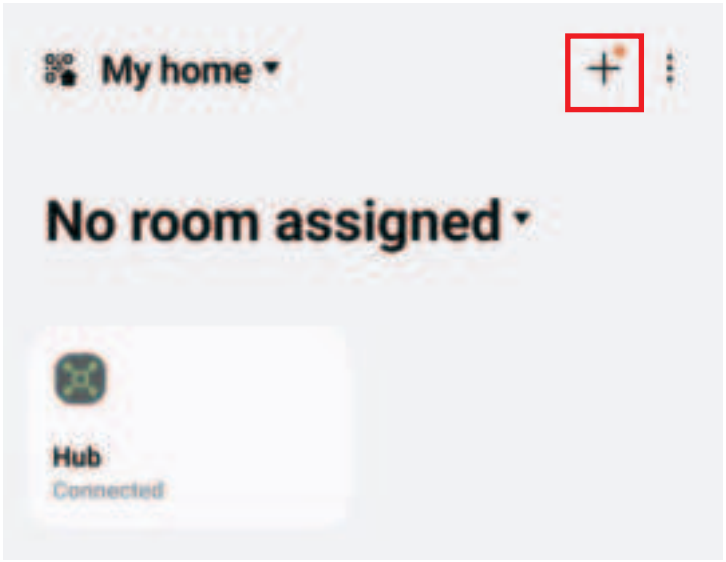
- Open this link in your PC browser. Log in your SmartThings Account.
  https://bestow-regional.api.smartthings.com/invite/adMKr50EXzj9
- Click "Enroll" --"Available Drivers" -- "Install" to install the device driver.

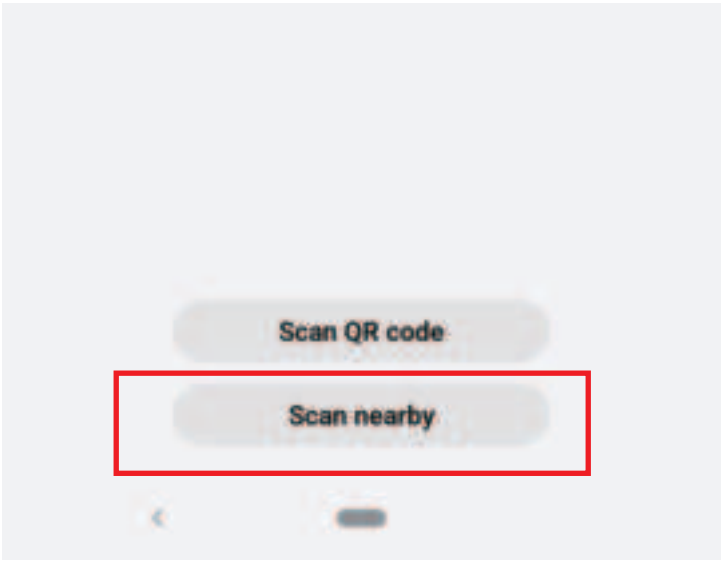

SmartThings
Channel Information
Name
Third Reality
Description
SmartThings driver for Third Reality devices
Terms of Service
My Hubs
Aeotec Hub
My home
Enroll


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

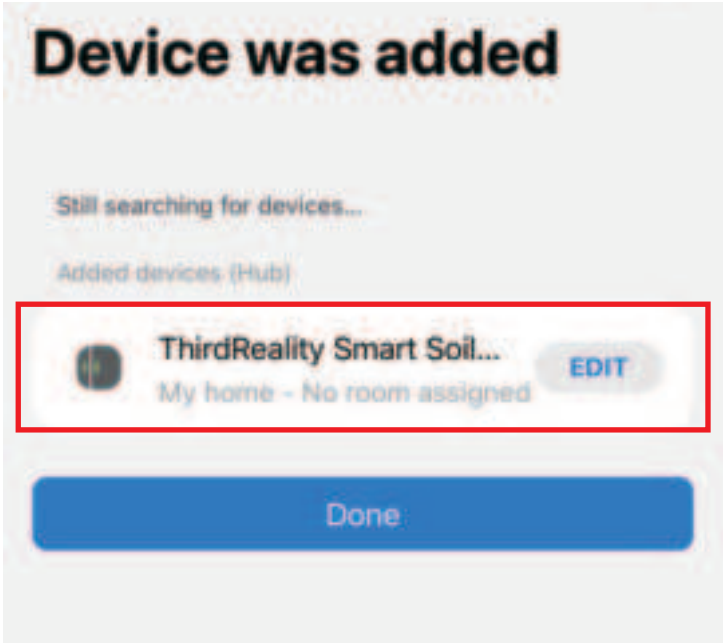

SmartThings
Third Reality
Aeotec Hub
My home
Name
ThirdReality Humidity Sensor
Description
ThirdReality Temperature and Humidity sensor drivers
Permissions
zigbee: Enable full access to Zigbee actions
Install

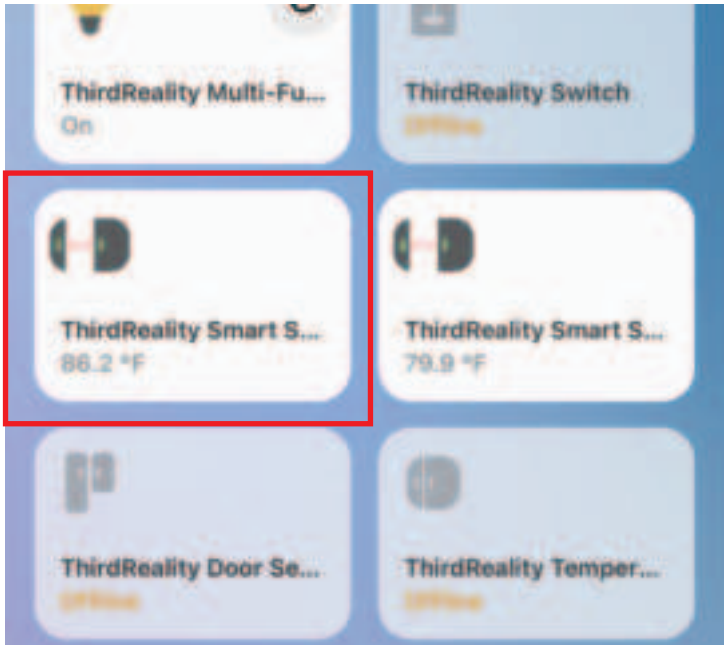
3. Open the battery cover and install the batteries, press and hold the reset button for 5 seconds and release the hold; The LED light turns blue blinking, indicating it enters pairing mode.
4. Open your SmartThings App, tap “+” on the up right corner to ”Add device” and then tap “Scan nearby”.



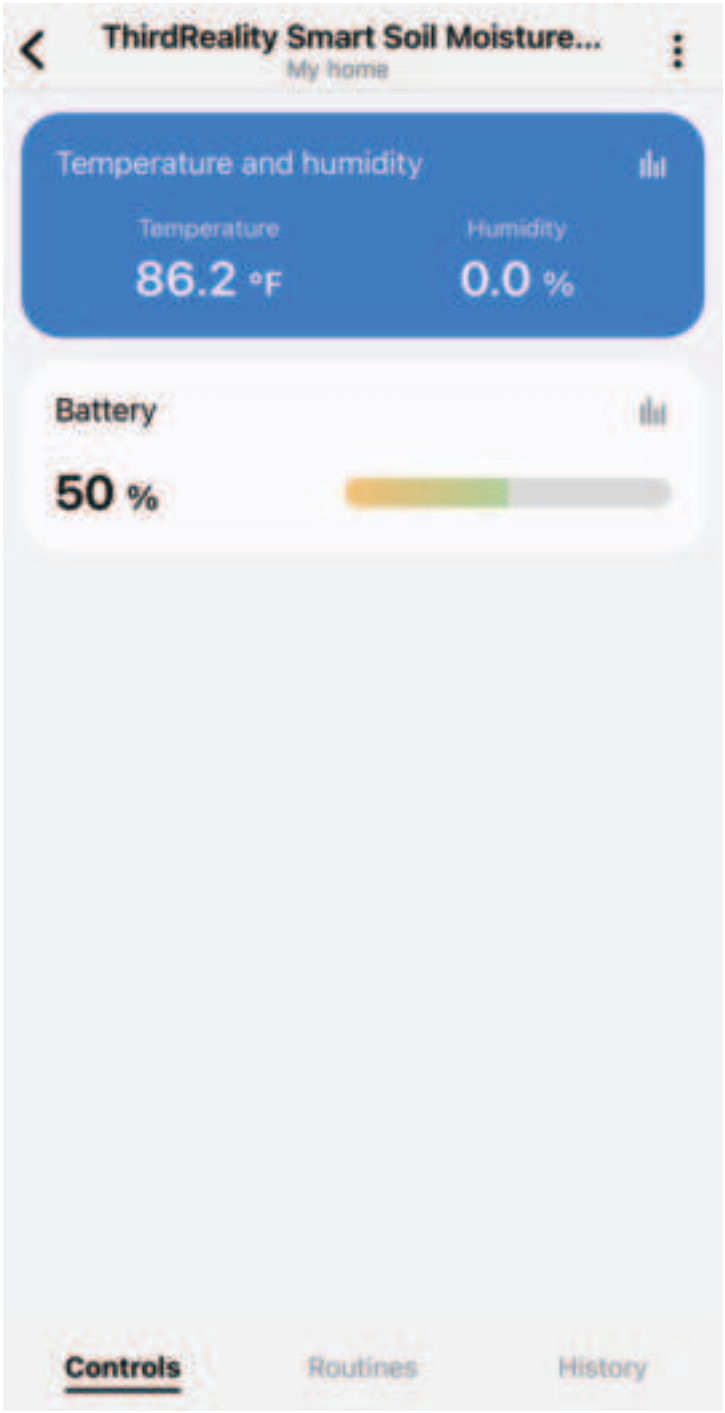


5. The sensor will be added to your SmartThings hub in a few seconds.





6. Create routines to control connected devices.



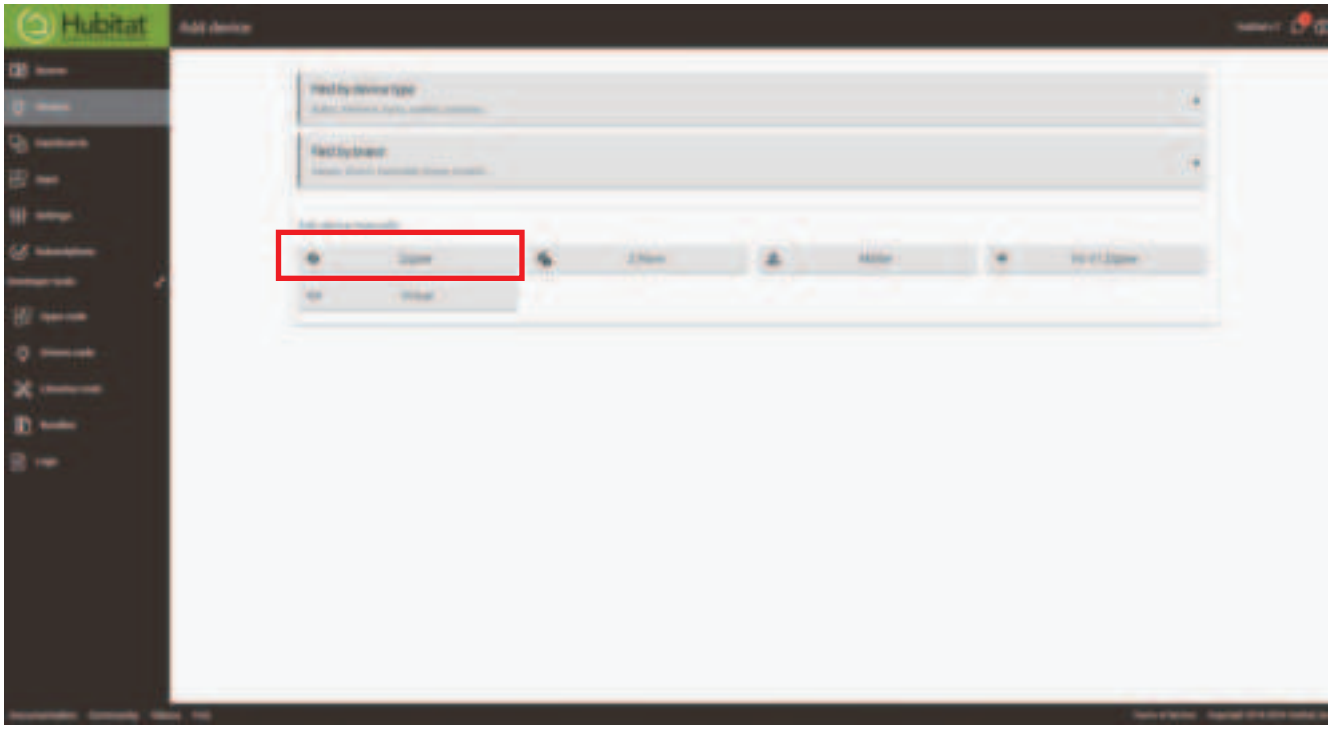
Pairing with Hubitat

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

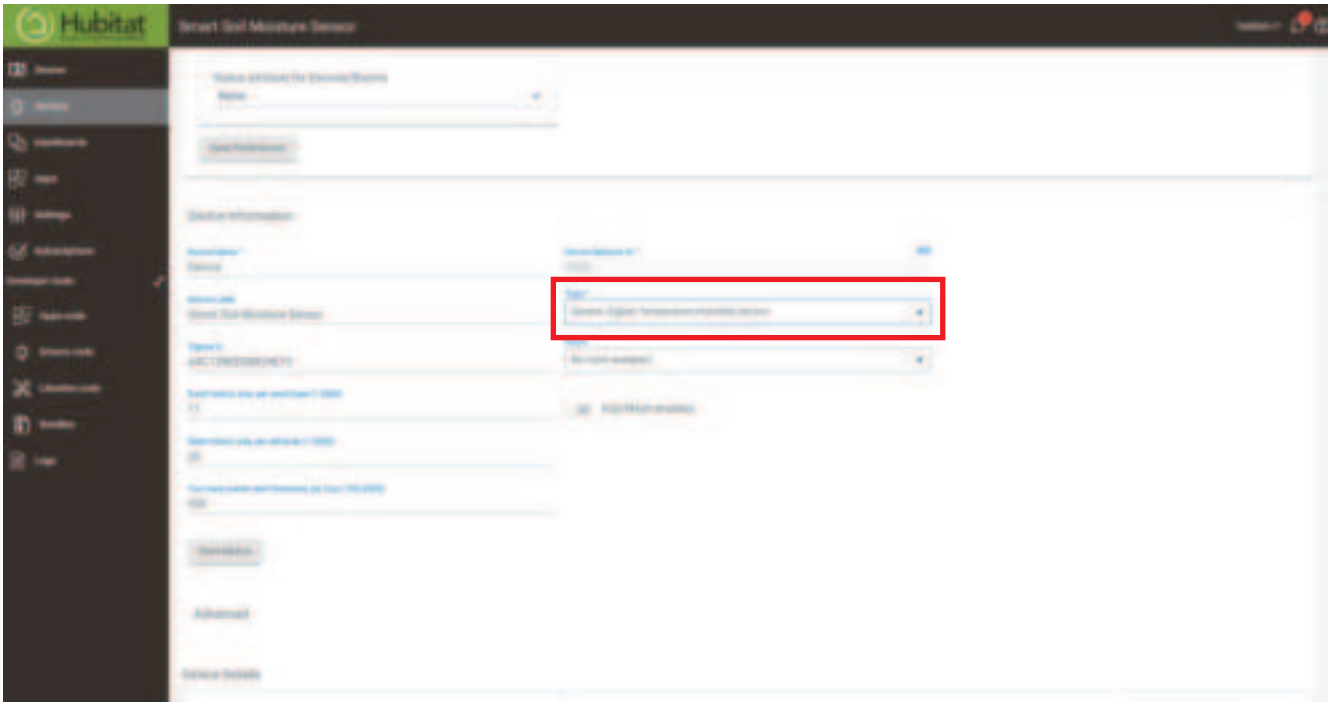
Pairing steps:

1. Open the battery cover and install the batteries, press and hold the reset button for 5 seconds and release the hold; The LED light turns blue blinking, indicating it enters 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. Set device type to generic Zigbee Temperature/Humidity sensor, Save Device.
6. Tap Apps, and Create New Basic Rules, select Humidity Sensor - smart soil moisture sensor, turn on your plant watering system when humidity changes.


Hubitat
Devices


Hubitat
Add device


Hubitat
Add device

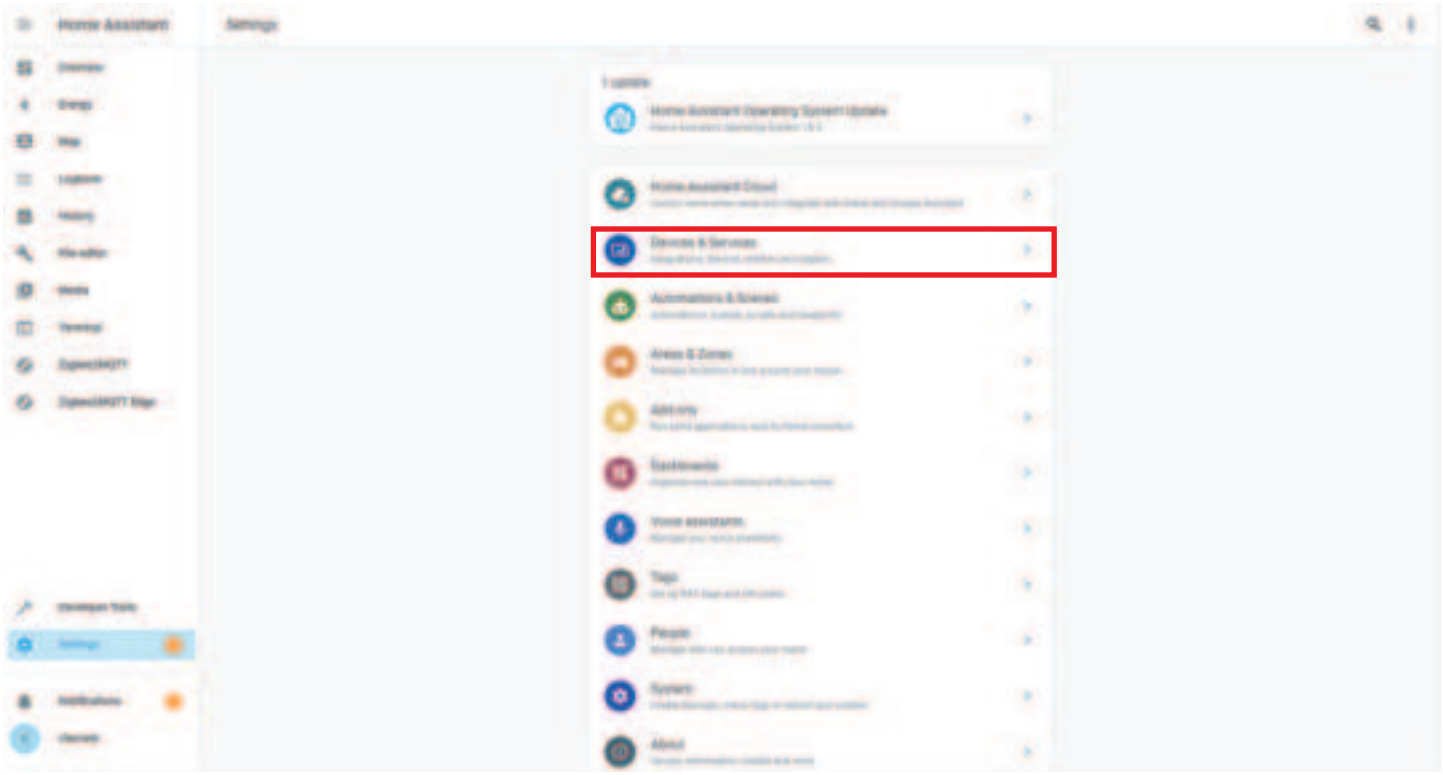


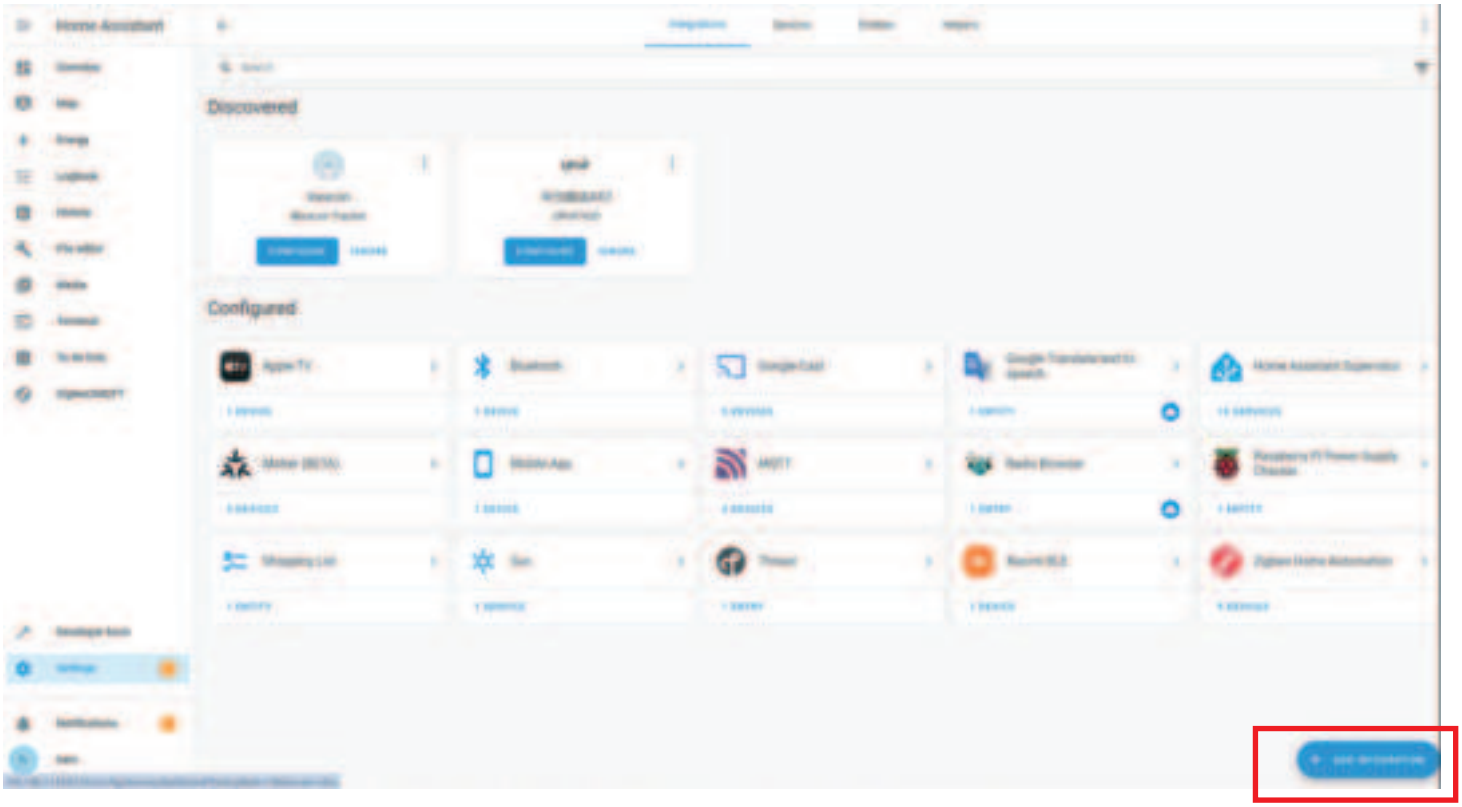
Pairing With Home Assistant

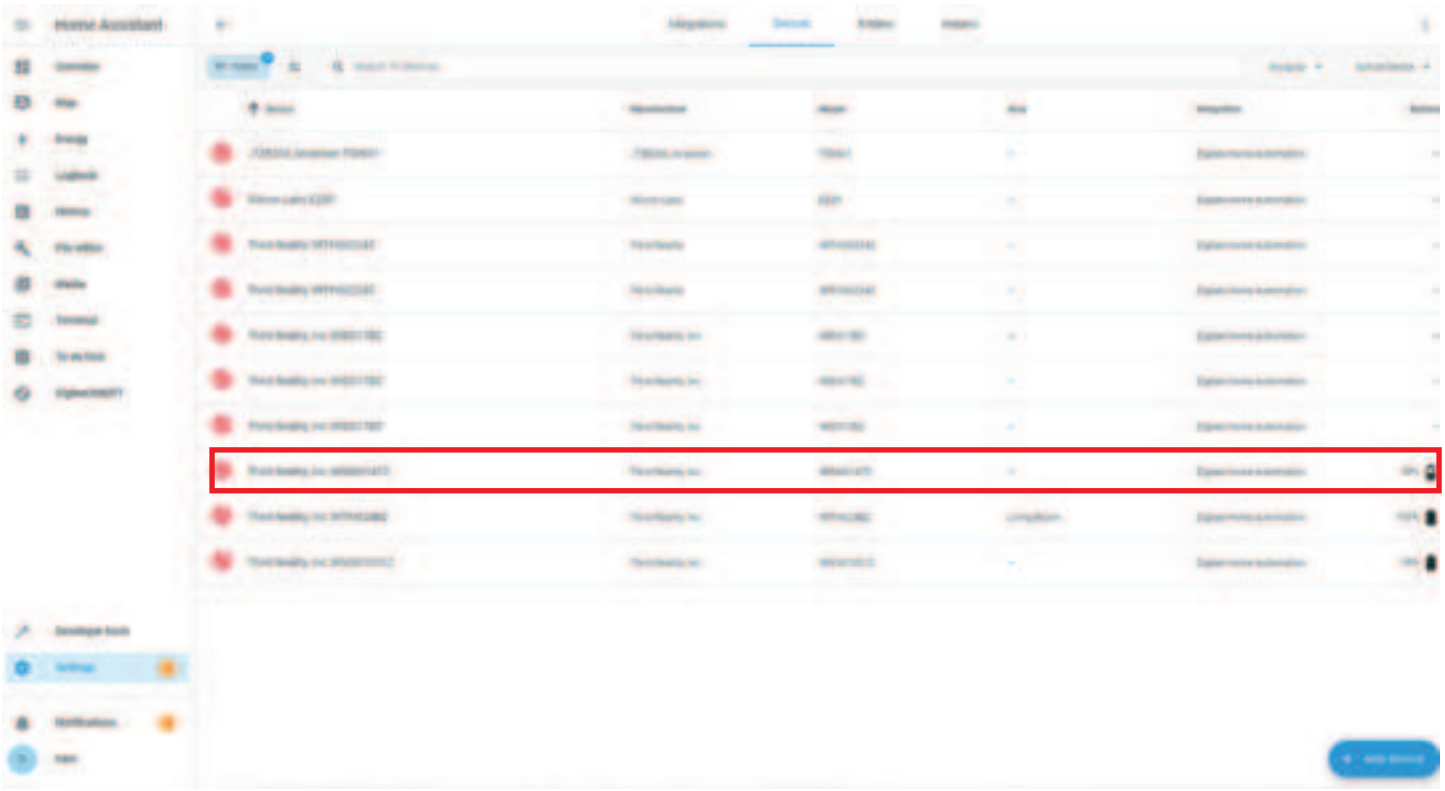
Device: Zigbee dongle

Zigbee Home Automation

1. Open the battery cover and install the batteries, press and hold the reset button for 5 seconds and release the hold; The LED light turns blue blinking, indicating it enters pairing mode.
2. In Zigbee Home Automation, go to “Configuration” page, click “integration”.
3. Then click the “Devices” on the Zigbee item, the 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 sensor.
7. Click “+” belongs to Automation and add trigger and actions.


Home Assistant
Settings
Devices & Services

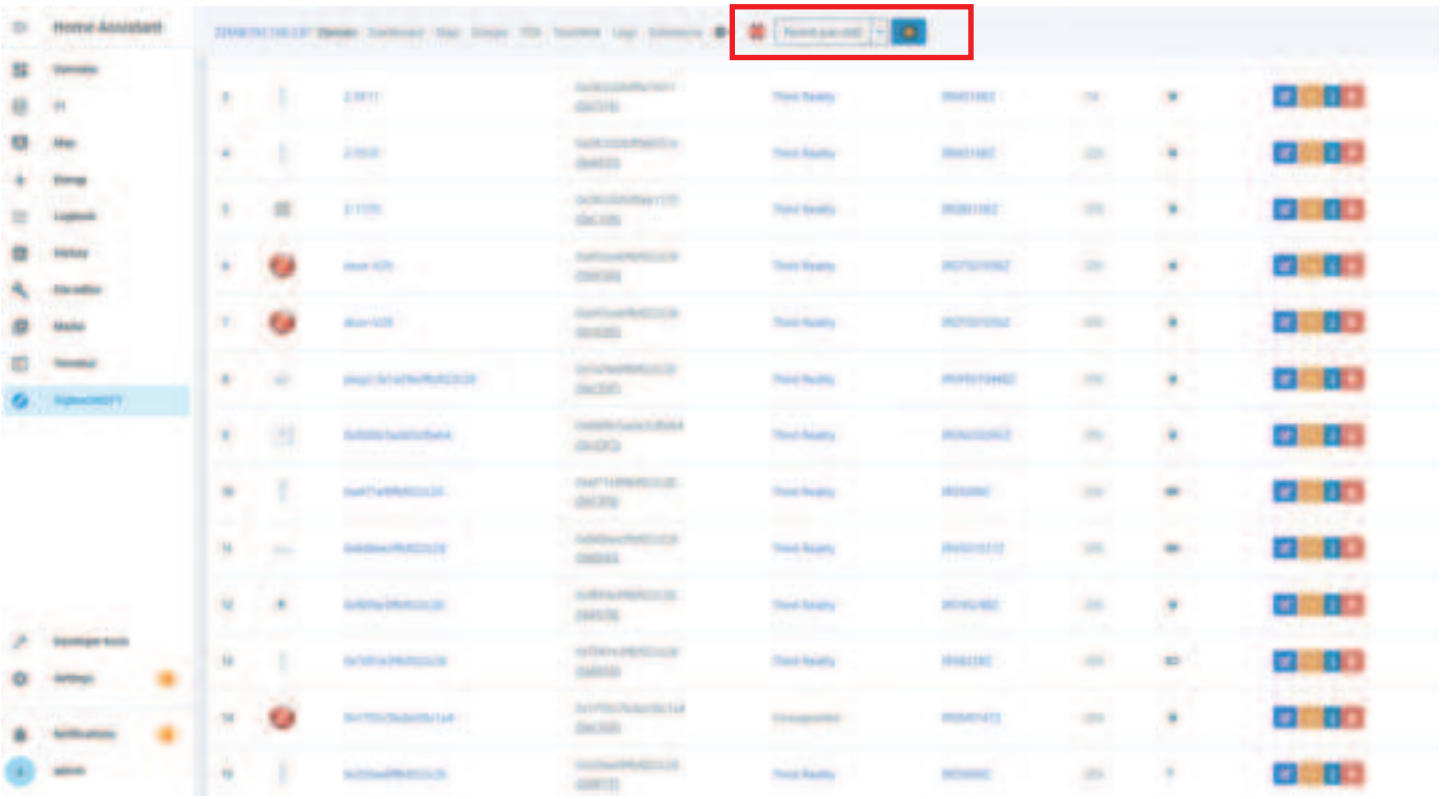

Home Assistant
Discovered
Configured

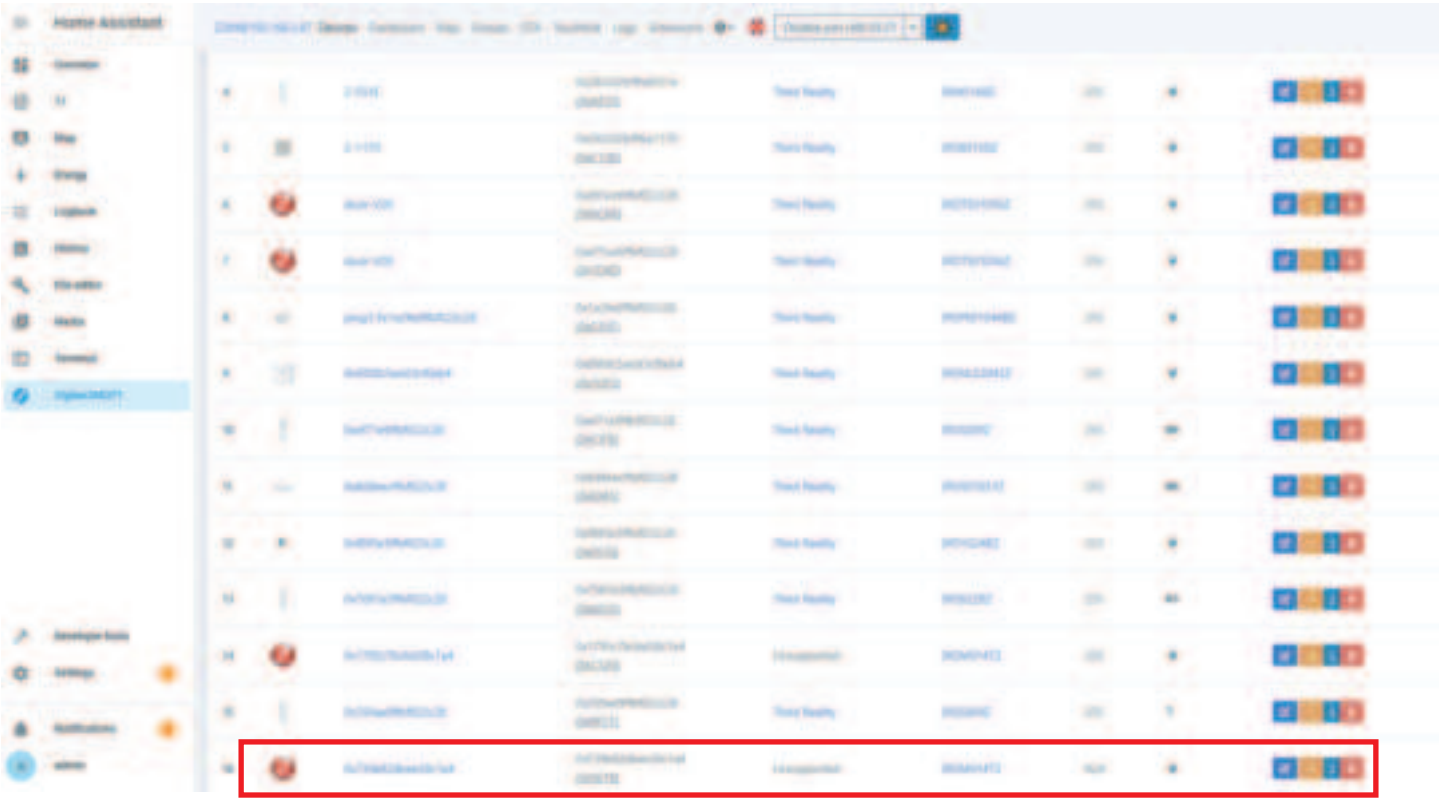


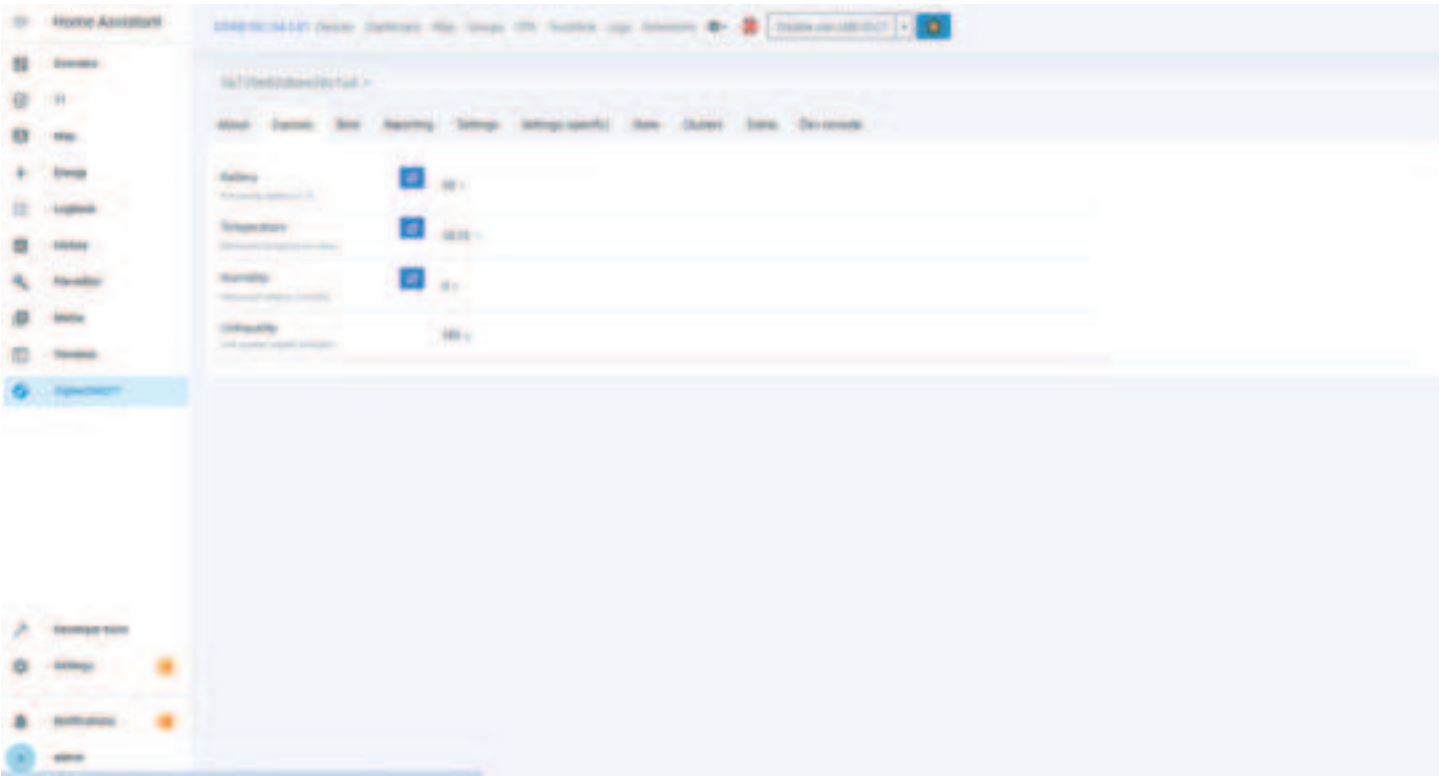

Home Assistant
Third Reality, Inc (3RSM01472)
zigbee
Device info
Sensors
Logbook
Configuration
Automations
Diagnostic
Scenes
Scripts

Zigbee2MQTT

1. Open the battery cover and install the batteries, press and hold the reset button for 5 seconds and release the hold; The LED light turns blue blinking, indicating it enters pairing mode.
2. Permit join to start Zigbee pairing in Zigbee2MQTT.
3. Pairing completed, the sensor will be displayed in the device list Go to Settings page, create automation.







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 Statement

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.