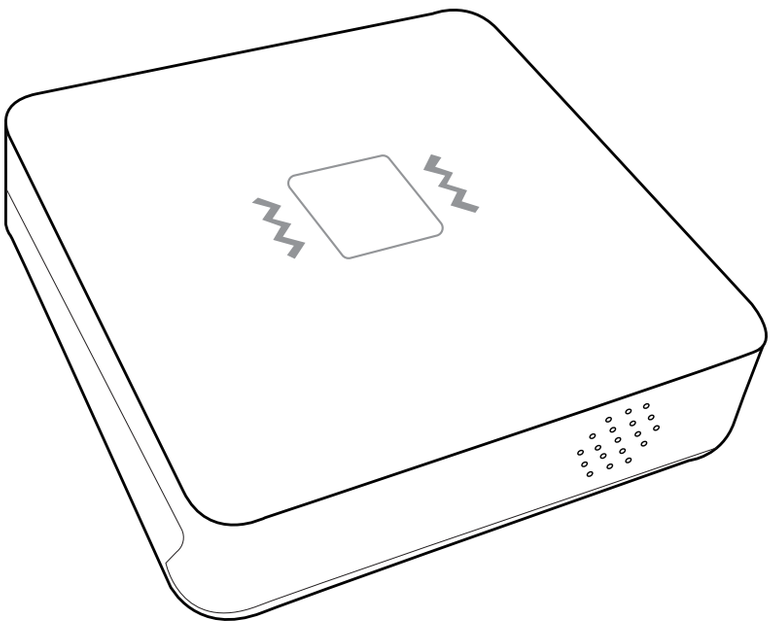
Vibration Sensor

User Manual



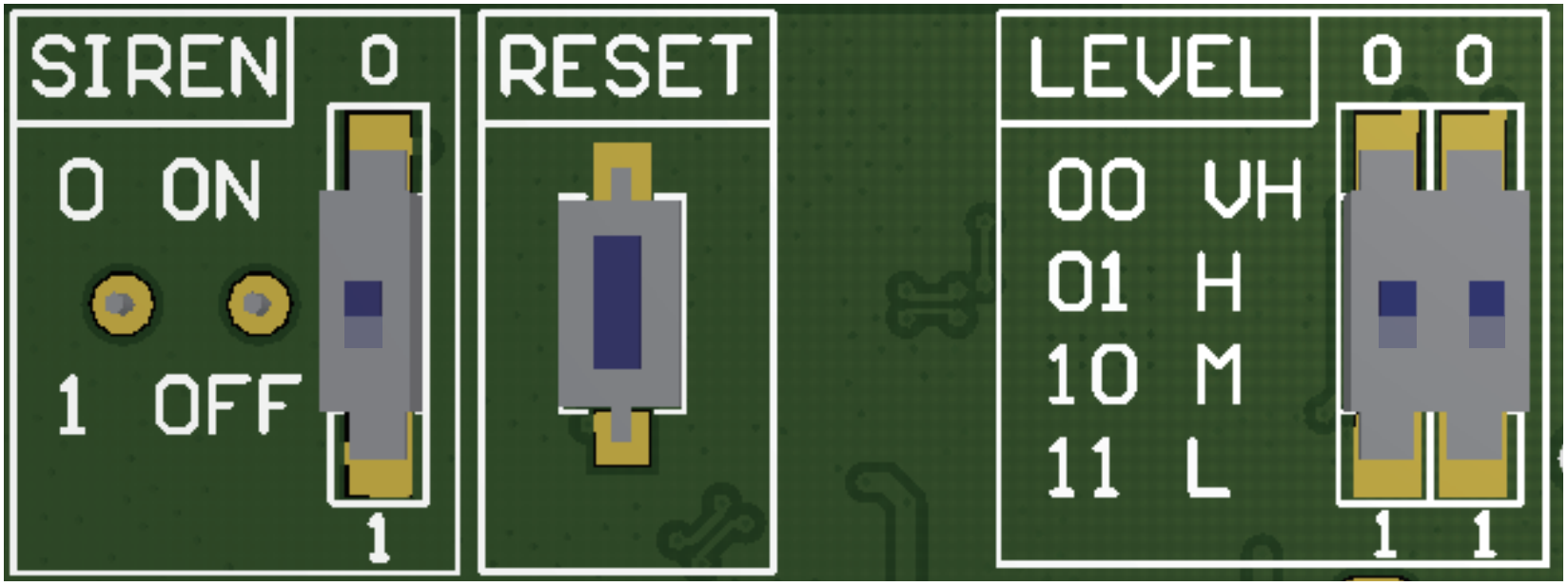
THIRDREALITY

Introduction

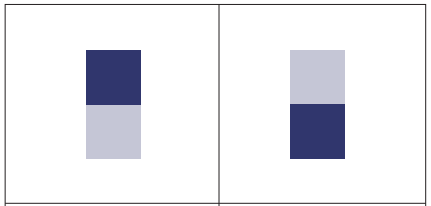
Third Reality Zigbee Vibration Sensor can be used to detect the vibration and movement of objects, it is designed for indoor use only. It can be integrated into Amazon Alexa, SmartThings, Hubitat, Home Assistant and Third Reality App etc. through Zigbee protocol, it can be used to create routines like alerts of window breaks and washing machines/dryers monitoring etc.

Specification

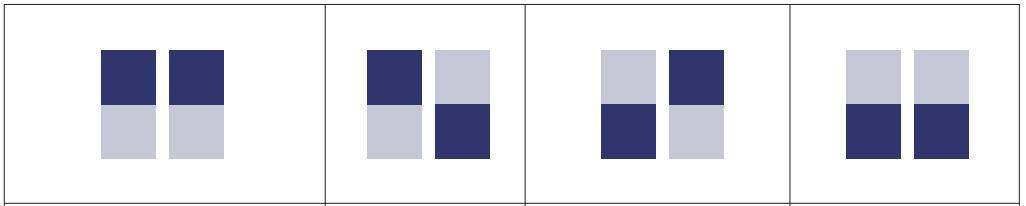
Operating Temp	32 to 104 F(0 to 40 °C) Indoor Use Only
Power Supply	2 × AAA Batteries
Dimensions	2.19" × 2.20" × 0.48" (5.56cm×5.59cm ×1.23cm)
Protocol	Zigbee 3.0



Siren Setting:



Senitivity Setting:



0	1
ON	OFF

00	01	10	11
Very High	High	Medium	Low

Setup

1. Remove the plastic insulator to power the Vibration Sensor.
2. When the sensor is powered up for the first time, it enters pairing mode automatically, and it exits pairing mode if not paired within 3 minutes, to put it into pairing mode again by pressing the reset button for 5 seconds.
3. Follow the instructions of Zigbee hubs to pair the sensor.
   Turn on/off the beeping alarm with the single toggle switch, and set the sensitivity(4 levels) with the dual toggle switches.

Installation

Simply place the Vibration Sensor on top of the object to be monitored, or use double-sided tape to stick it anywhere as desired.

Pairing with Different Hubs

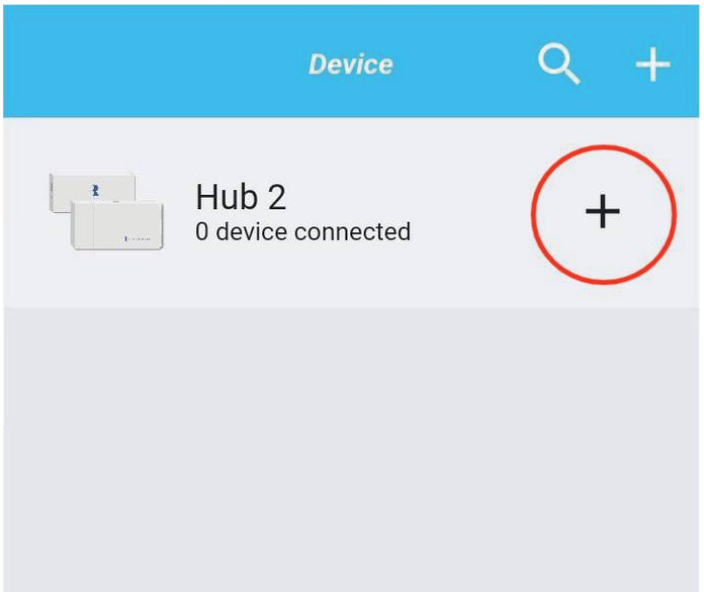
Before pairing, set the Vibration Sensor into pairing mode by pressing the reset button for 5 seconds until the LED indicator turns into fast blue blinking.

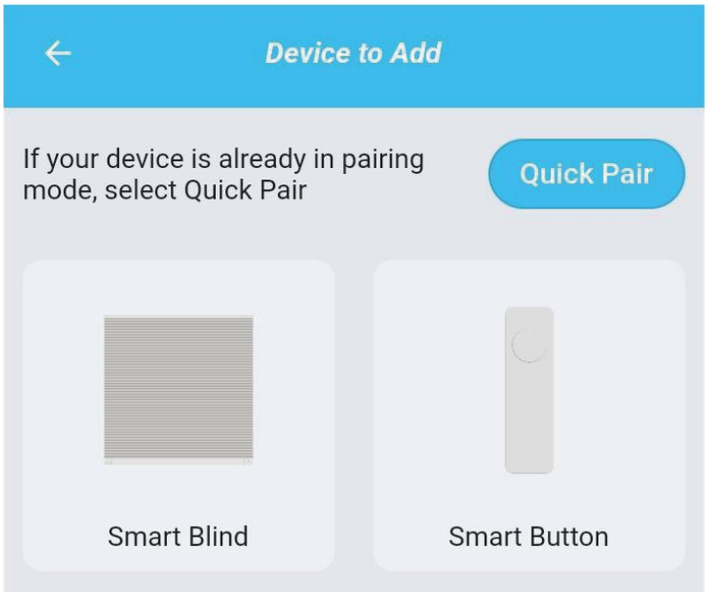
Pairing with Third Reality

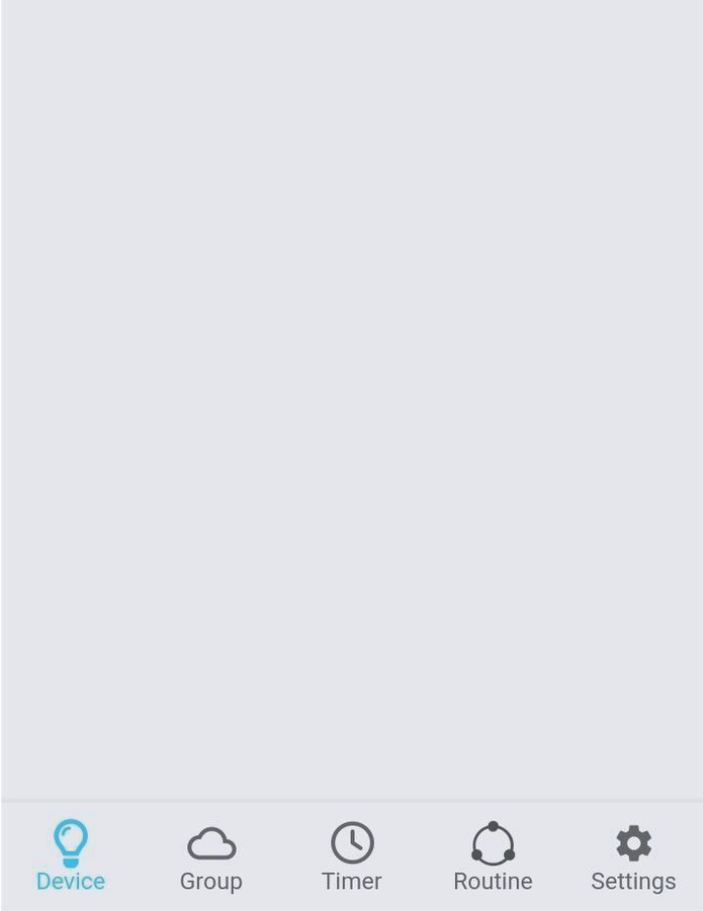
Hub: Third Reality Hub Gen2 /Gen2 Plus
App: Third Reality

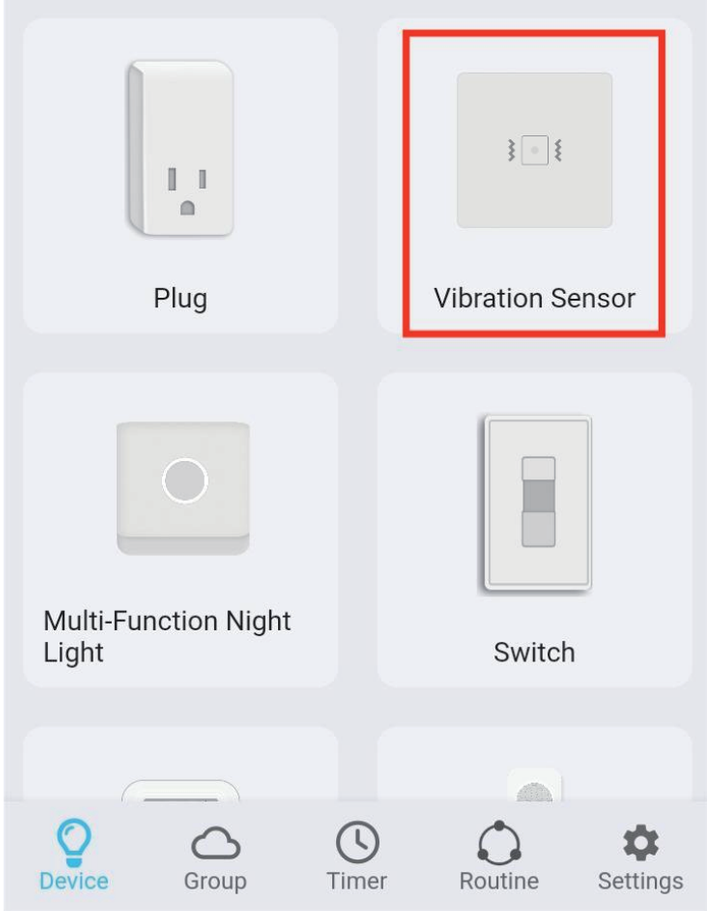
Pairing steps:

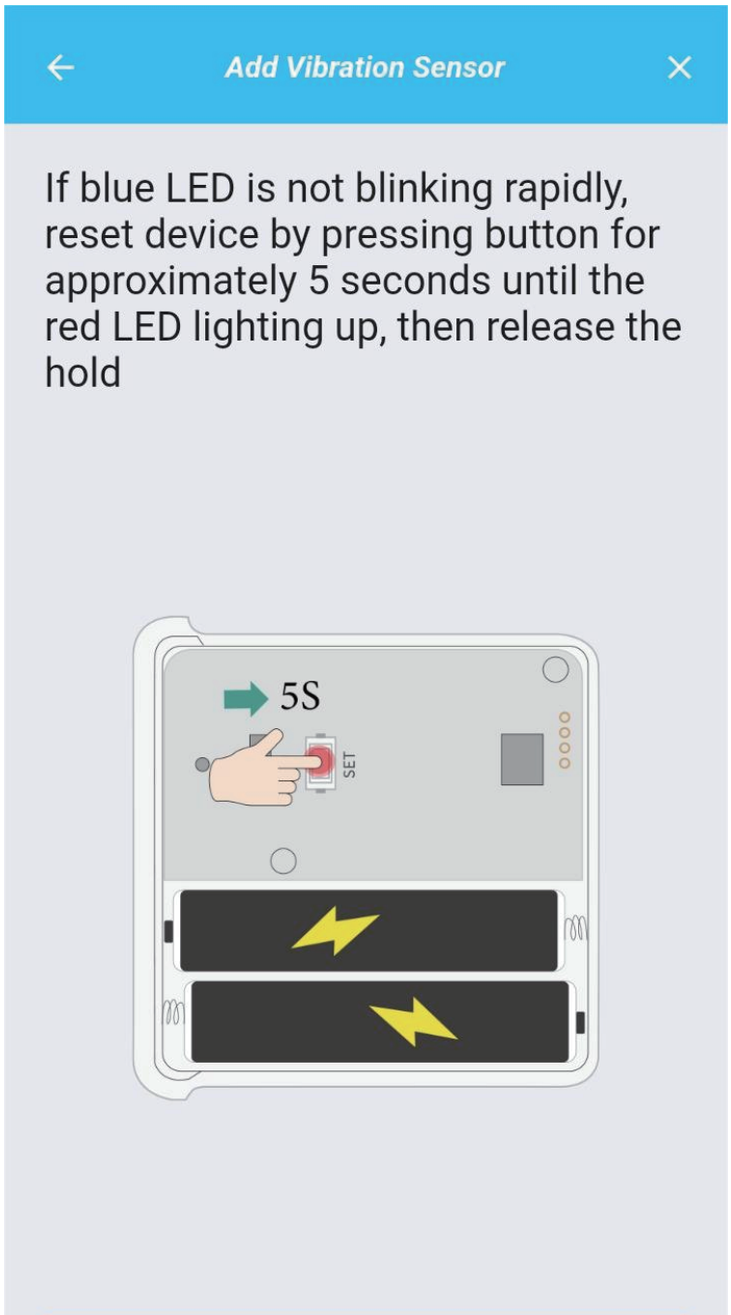
1. Tab "+" in Third Reality App, follow the on-screen instructions to add device, it will be added within seconds.
2. Create routines to control other connected devices.

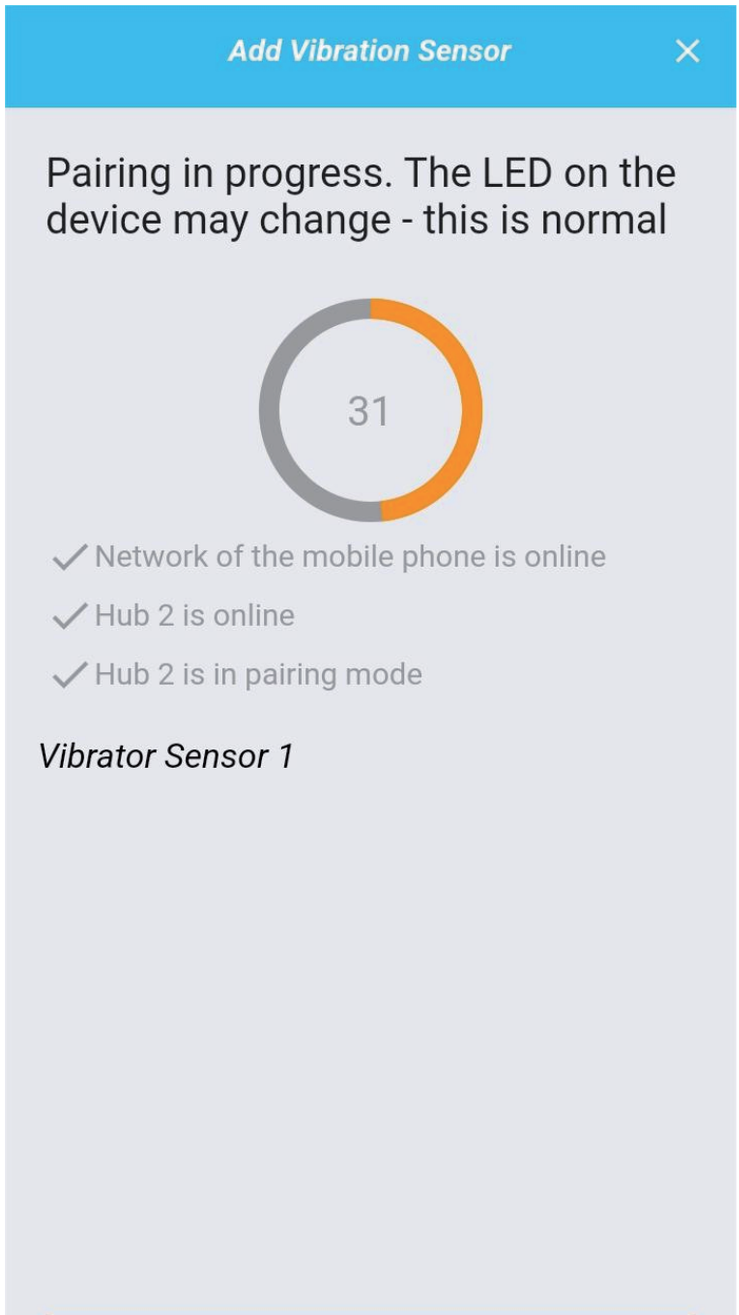


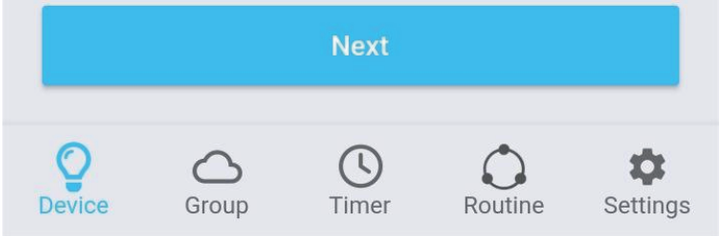


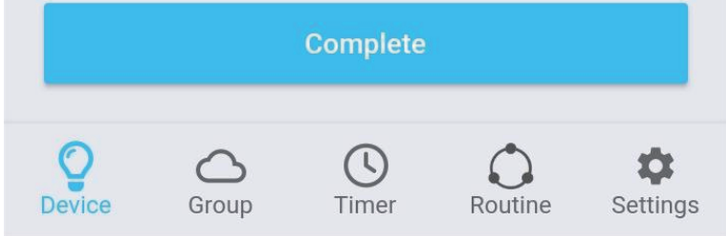

Device
Group
Timer
Routine
Settings

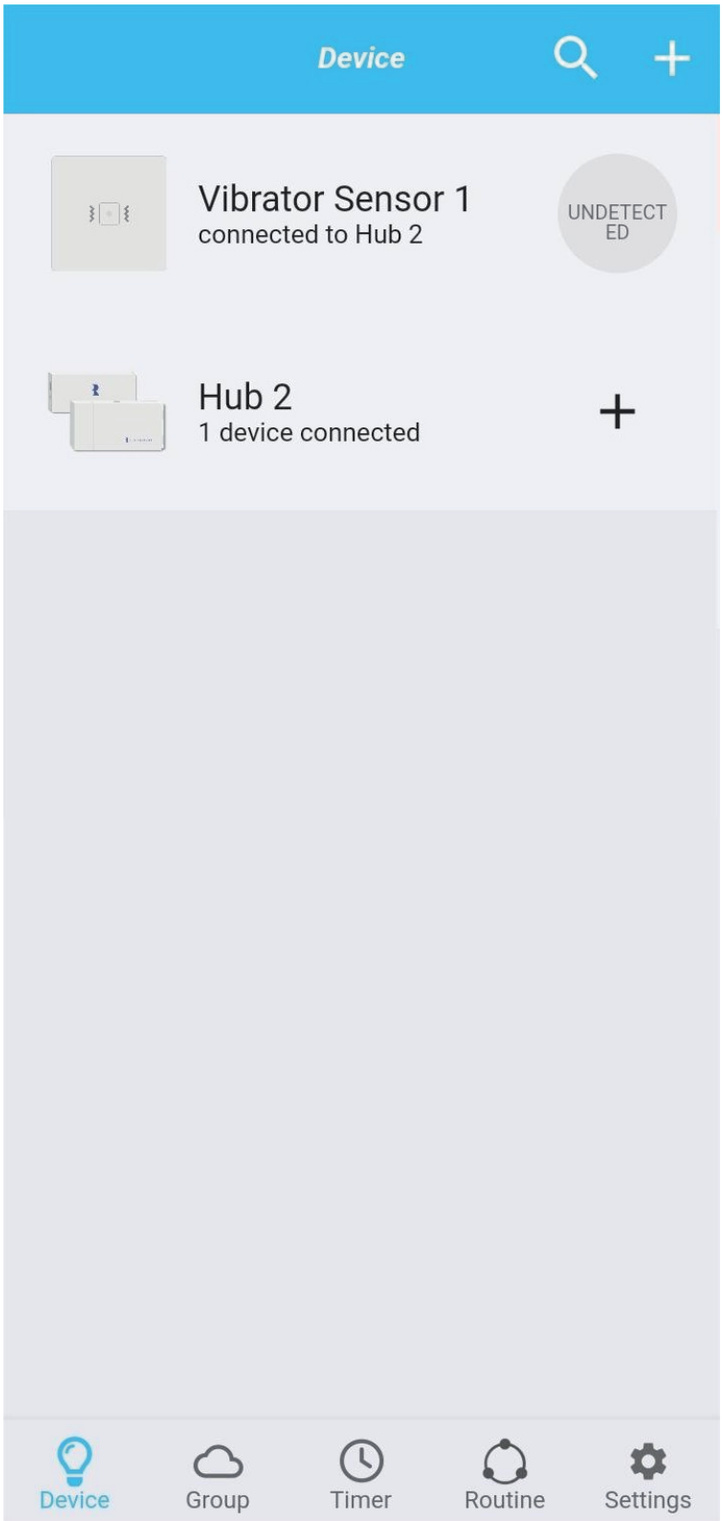

Plug
Vibration Sensor
Multi-Function Night Light
Switch
Device
Group
Timer
Routine
Settings

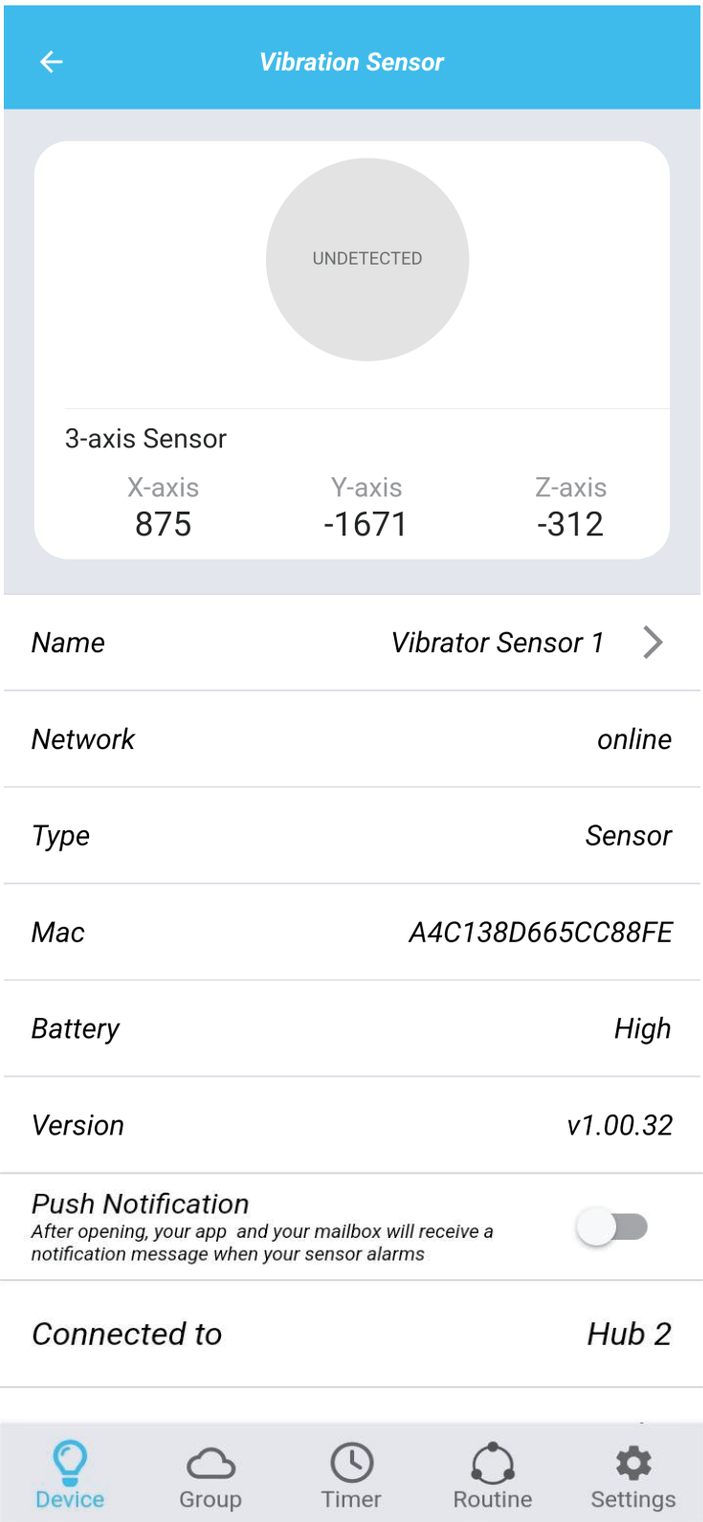

Add Vibration Sensor
If blue LED is not blinking rapidly, reset device by pressing button for approximately 5 seconds until the red LED lighting up, then release the hold
5S
SET


Add Vibration Sensor
Pairing in progress. The LED on the device may change - this is normal
31
Network of the mobile phone is online
Hub 2 is online
Hub 2 is in pairing mode
Vibrator Sensor 1









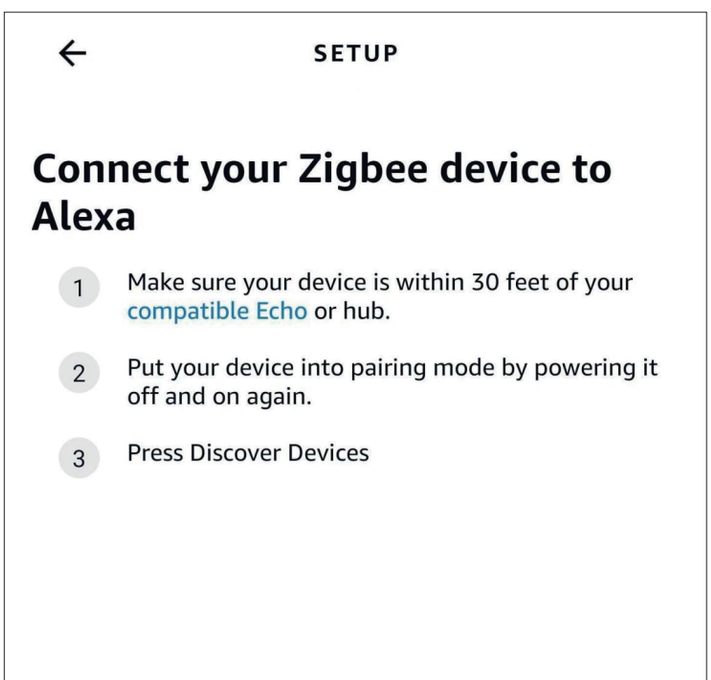
Pairing With Amazon Echo

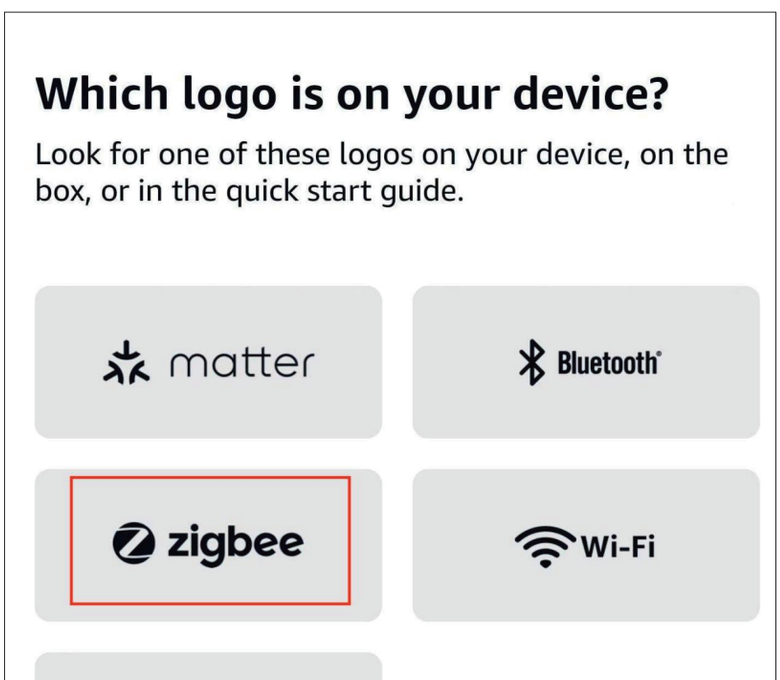
App: Amazon Alexa

Pairing with Echo devices with built-in ZigBee hubs such As Echo V4, Echo Plus V1 & V2, Echo Studio and Eero 6 & 6 pro.

Pairing steps:

1. Tab "+" in the Alexa App, choose "Zigbee" and "others" to add device, the vibration sensor will be added as a "motion sensor".
2. Create routines to control other connected 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

Z WAVE

Can't find a matching logo?

SETUP

Which device would you like to set up?

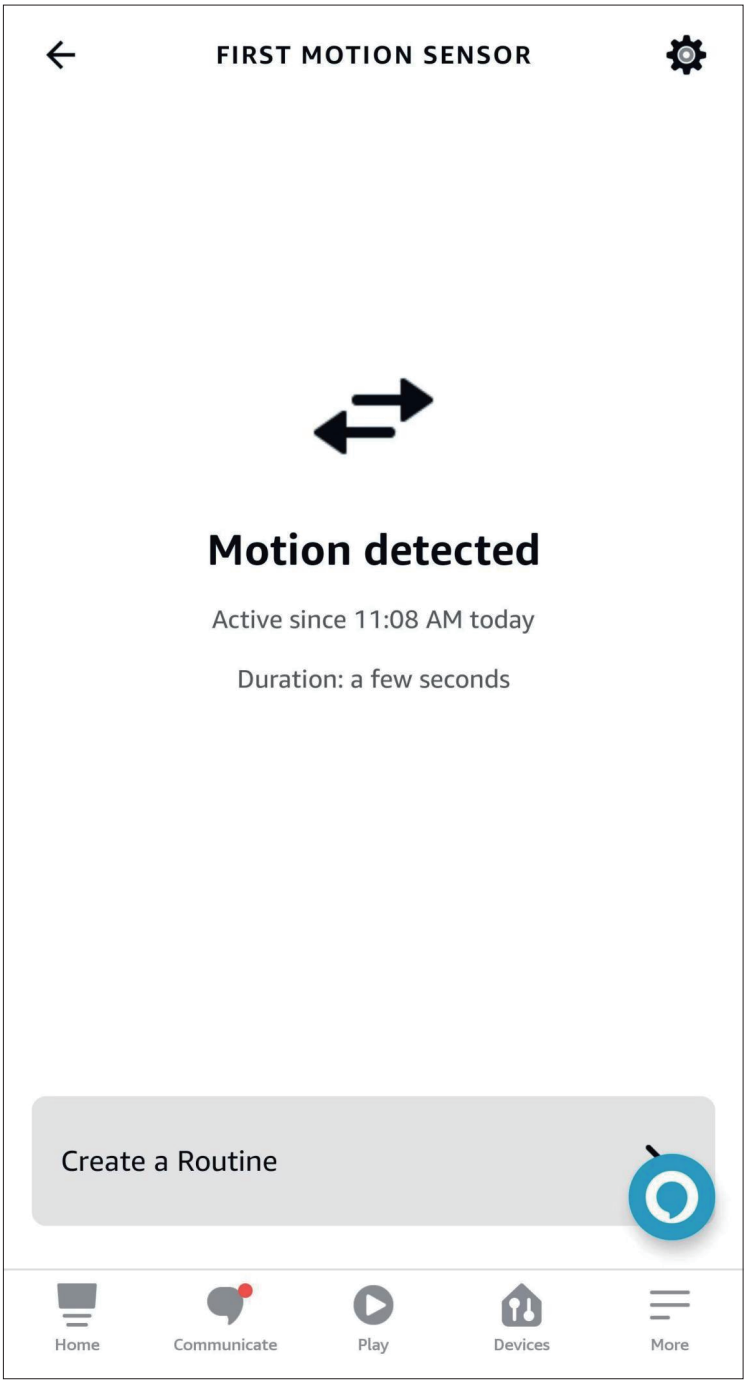
- Doorbell
- Kettle
- Smartwatch
- Smoke and CO Detector
- Soap Dispenser
- Water Heater
- Water Leak Detector
- Other

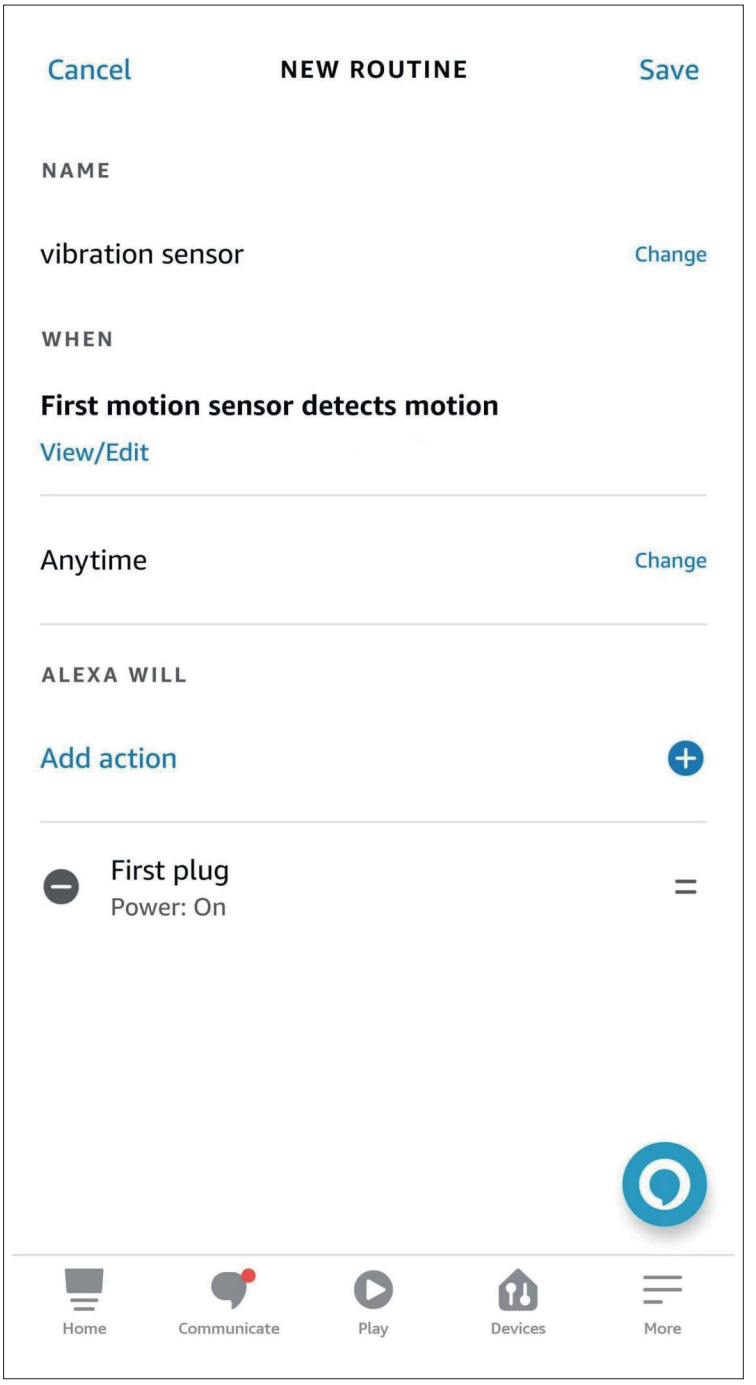
Home | Communicate | Play | Devices | More

ALL DEVICES

- First motion sensor
  • New Device
- Ruby's Echo
  Online
- Ruby's RealityVoice
  Offline
- Alexa on this Phone
  Online
- First plug

Home | Communicate | Play | Devices | More



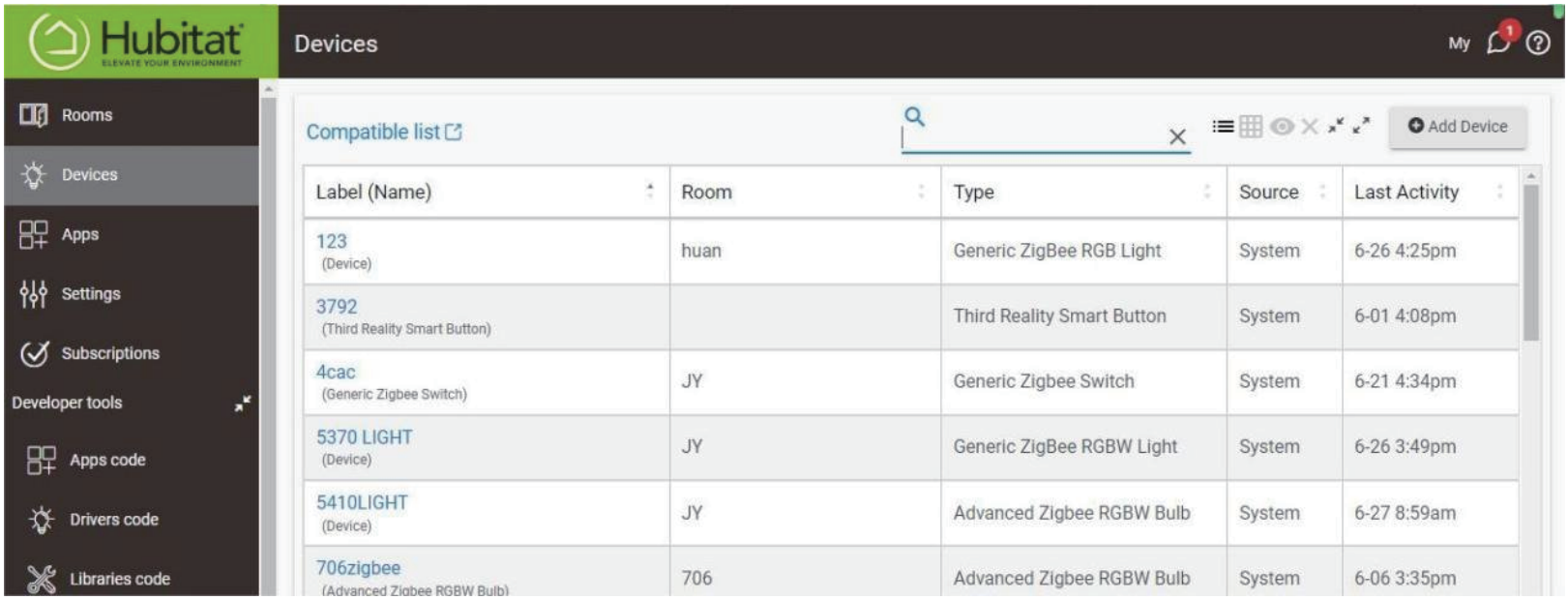


Pairing With Hubitat

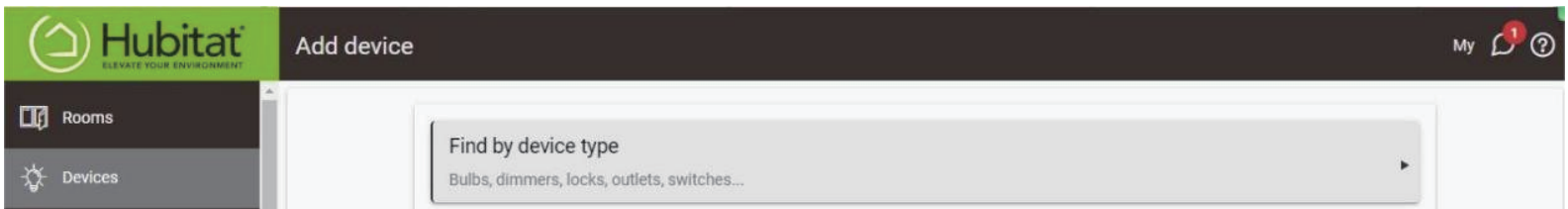
Website: http://find.hubitat.com/

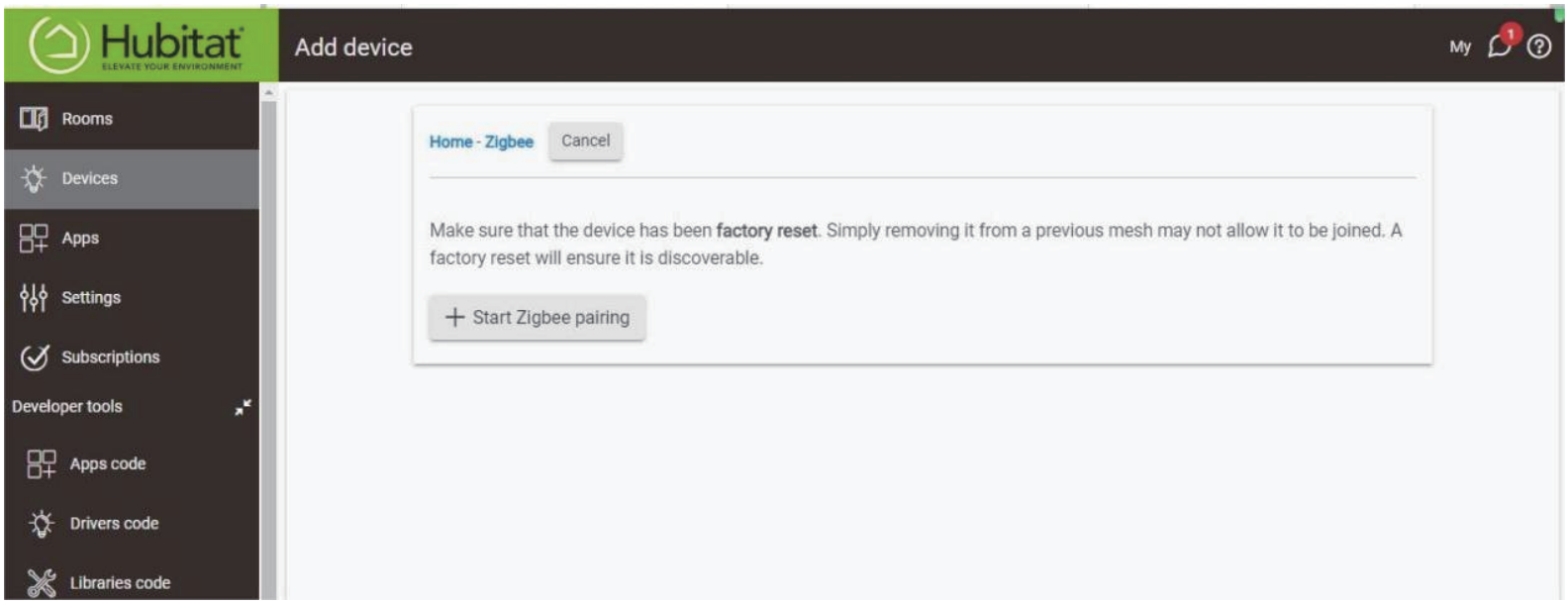
Pairing steps:

1. Tab "Add Device" in Hubitat Devices page.

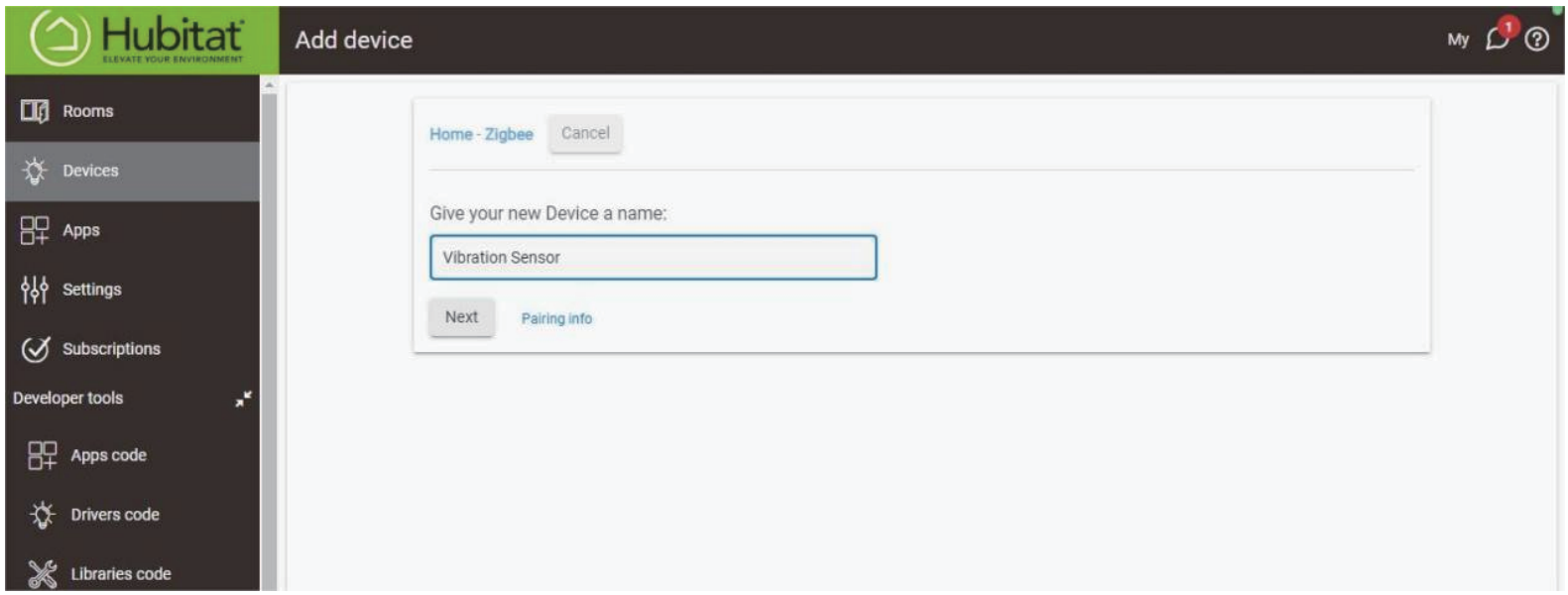


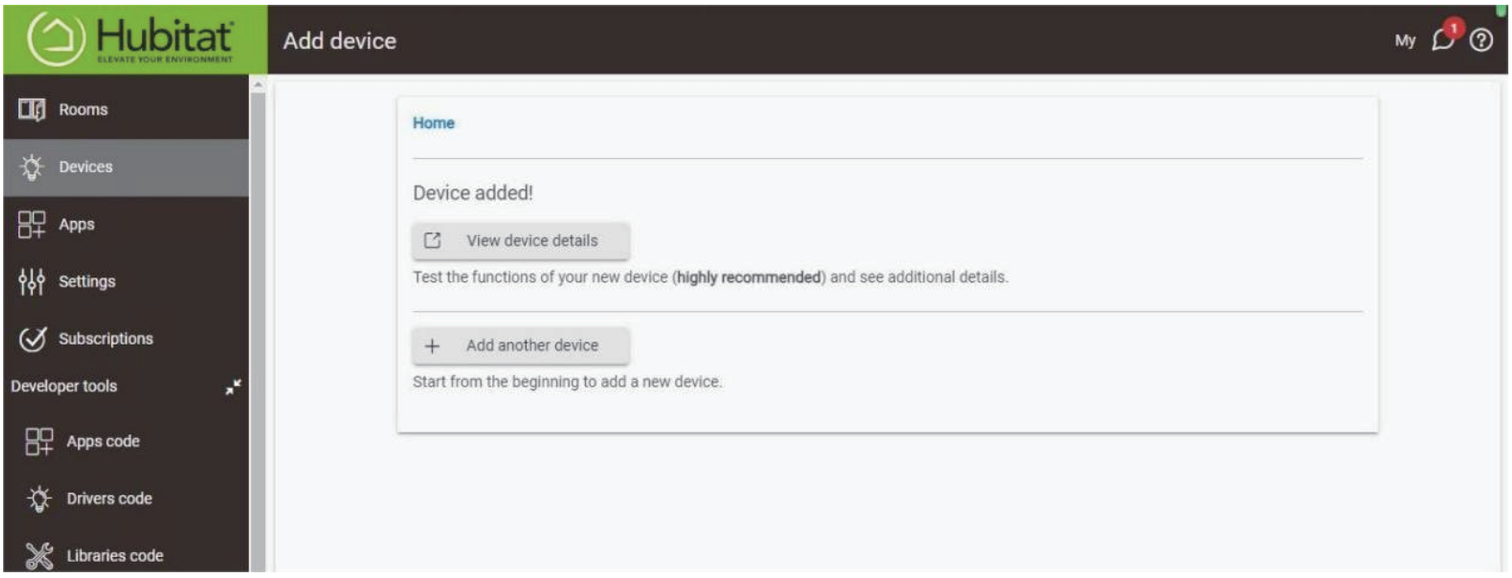
2. Choose "Zigbee", then "Start Zigbee Pairing".



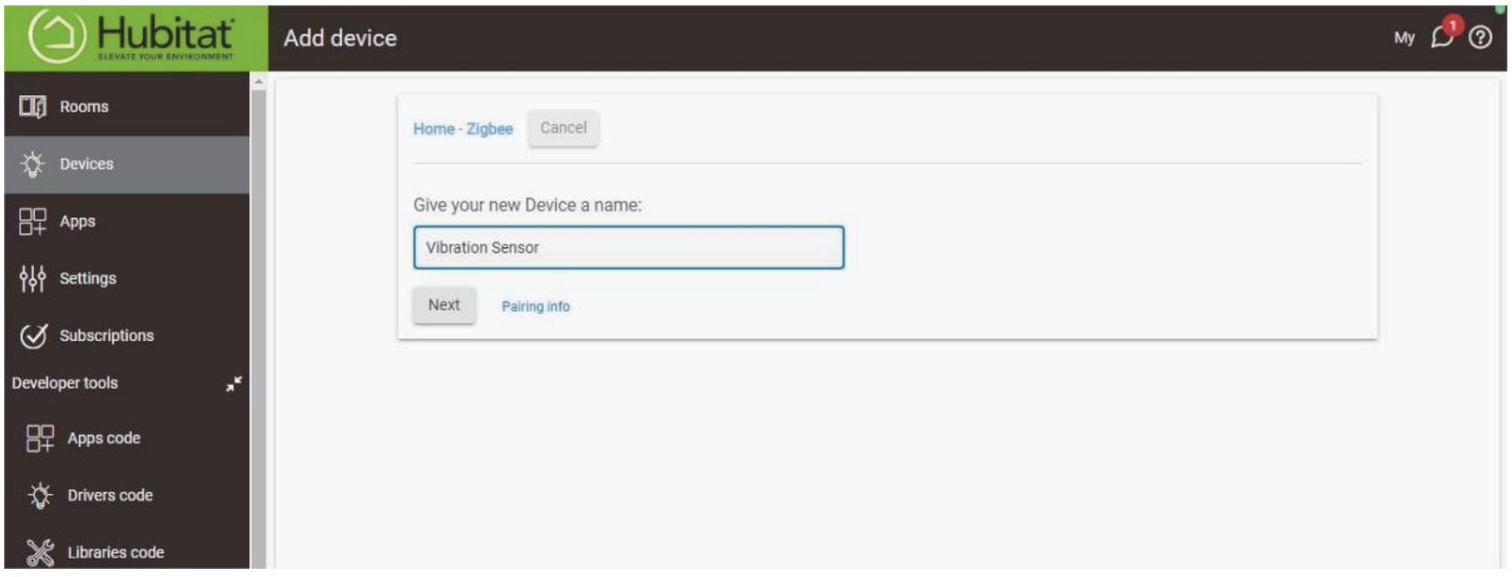


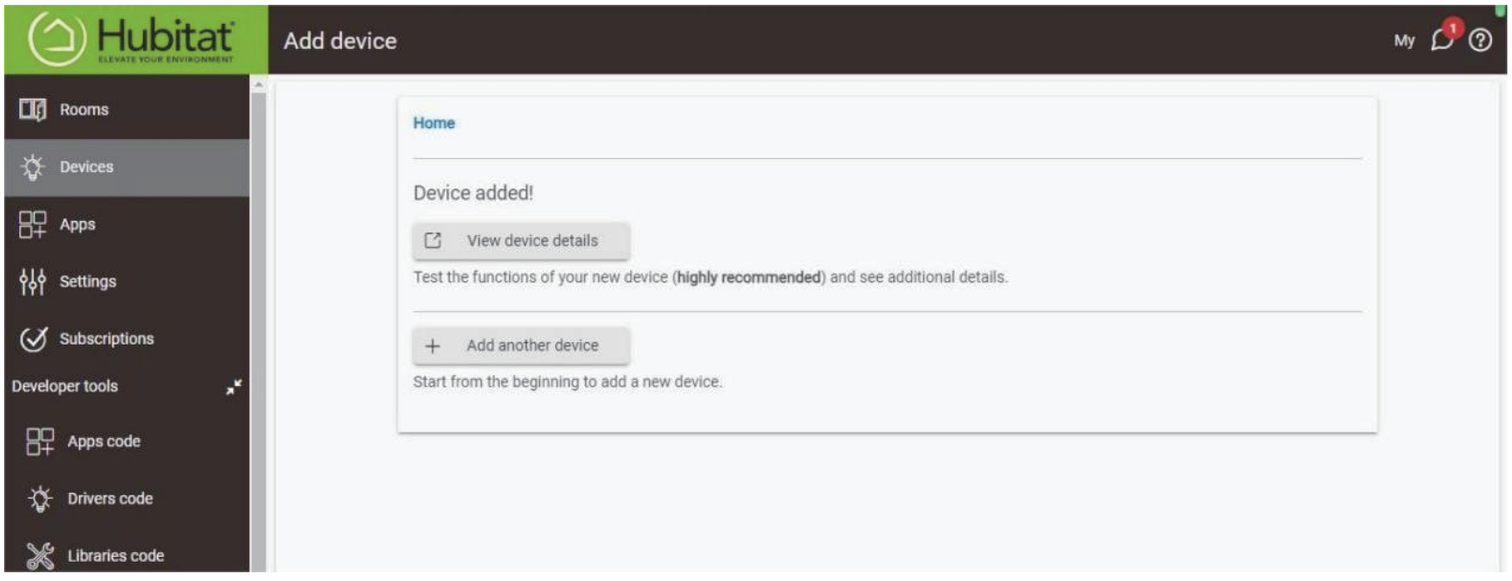
3. Create a device name for the vibration sensor, then click "Next" to add device.





4. Change Type from "Device" to "Generic Zigbee Motion Sensor" and "Save Device", you can see the status of the sensor "active/inactive", and battery level.

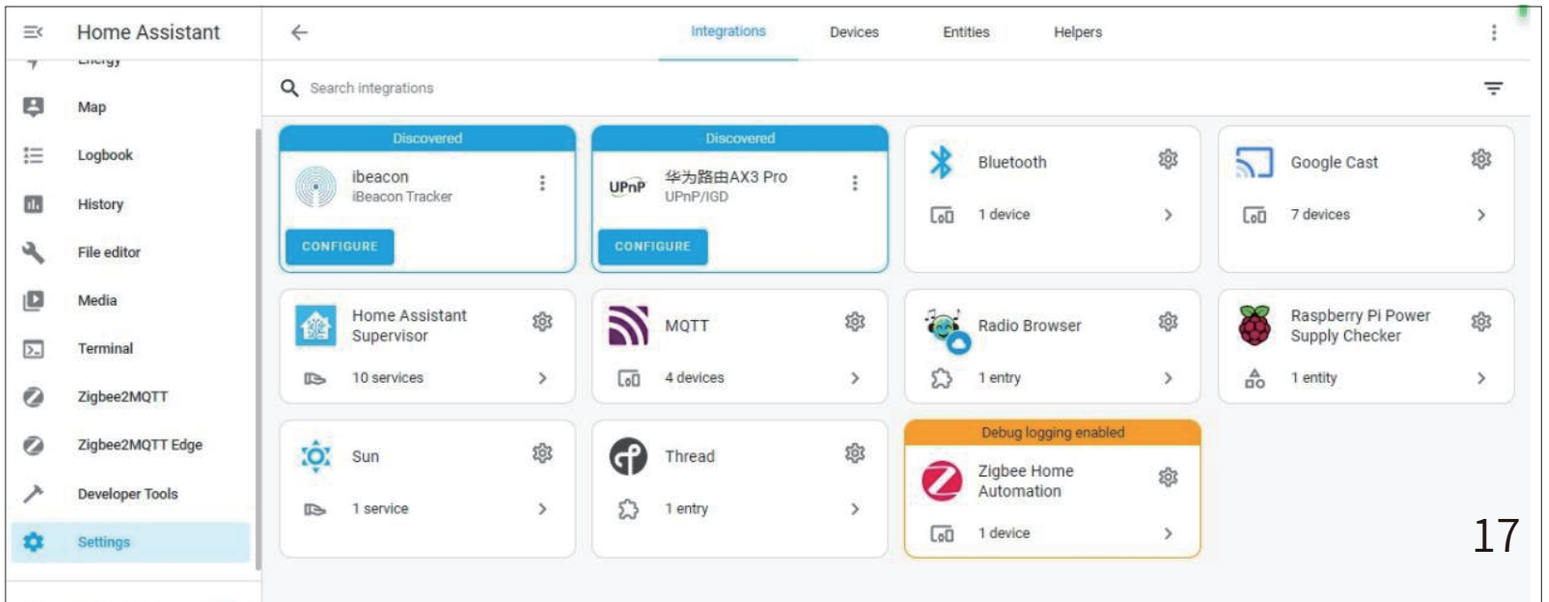




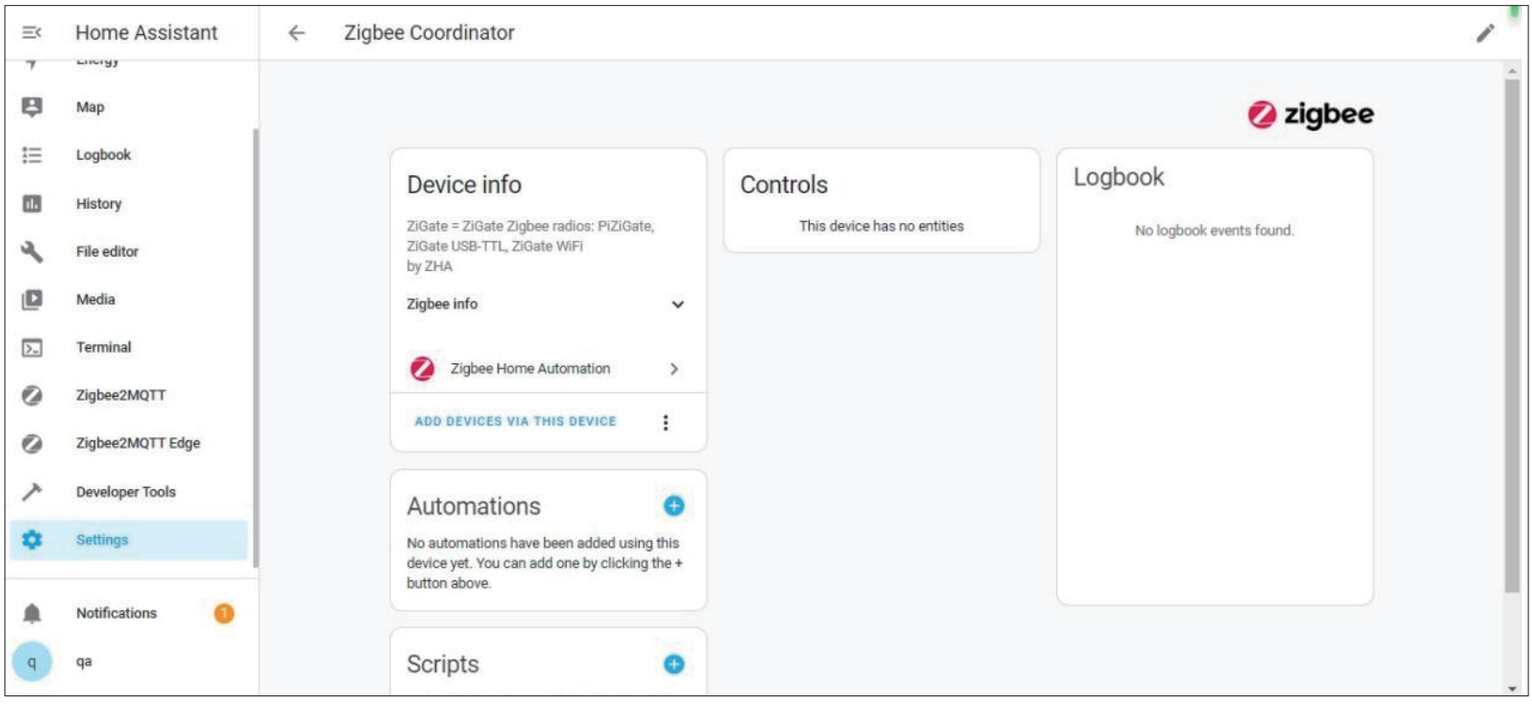
Pairing With Home Assistant

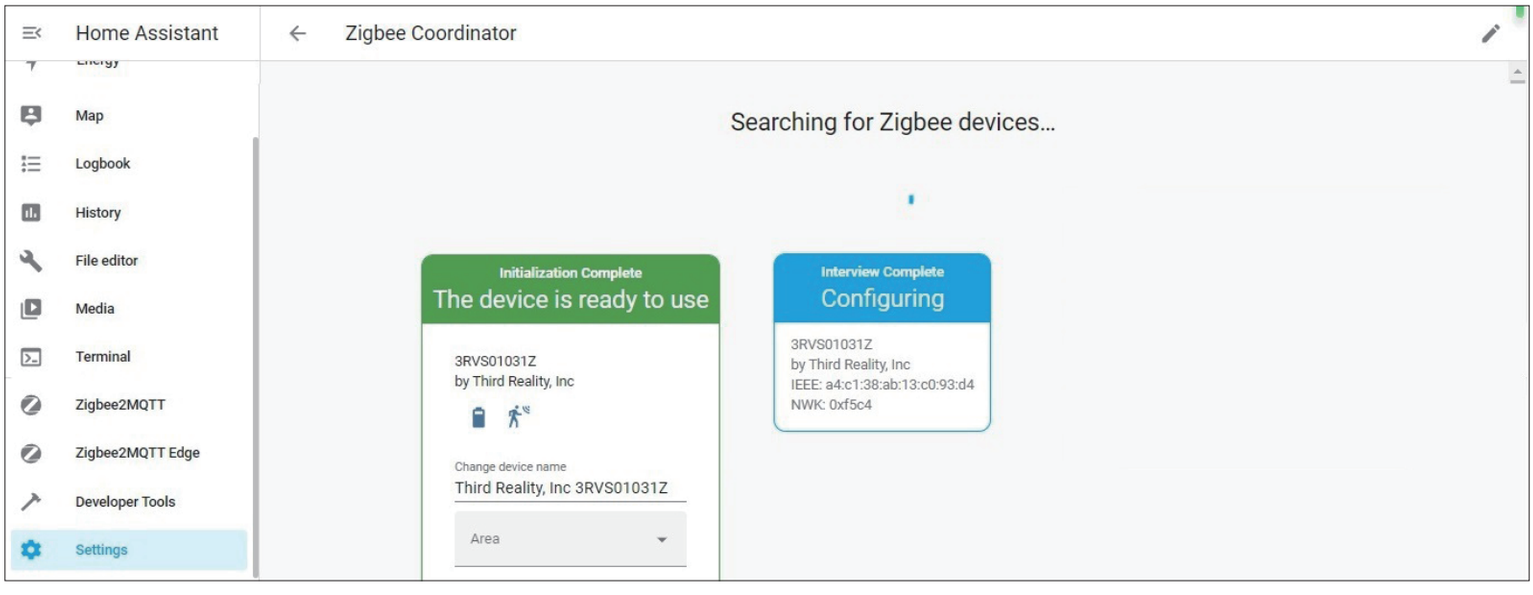
Pairing steps:

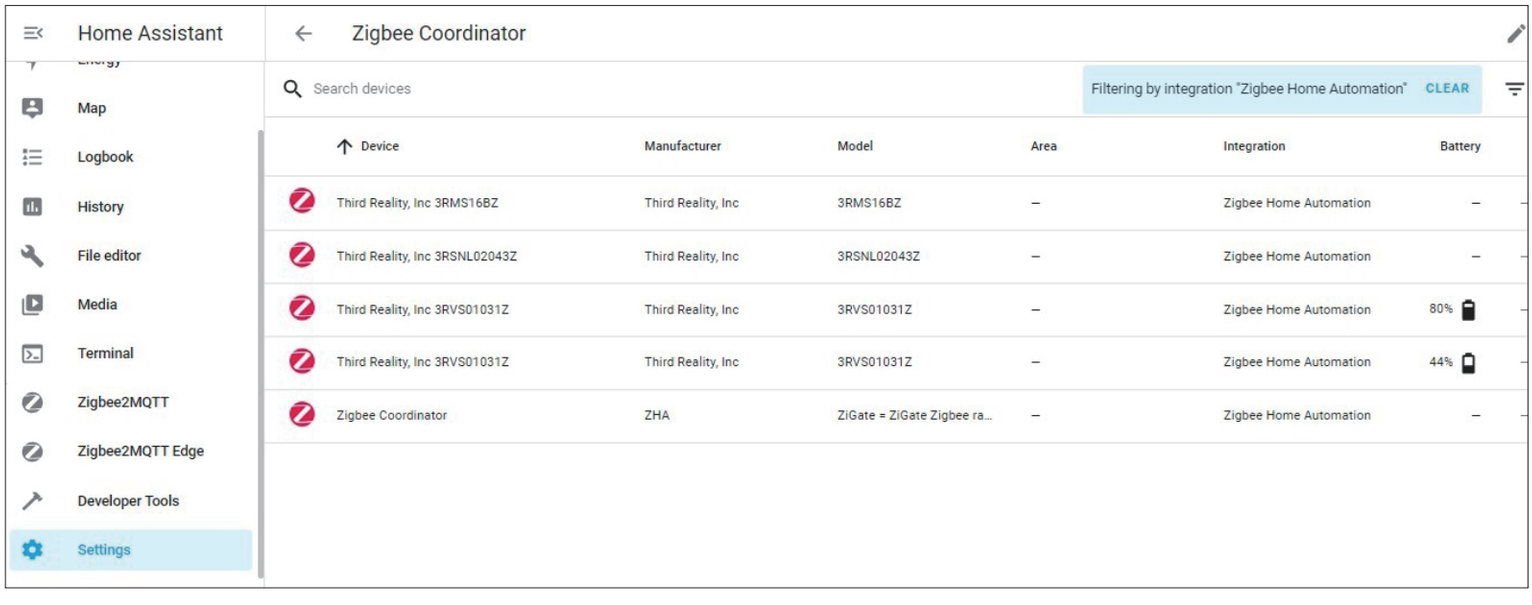
Zigbee Home Automation



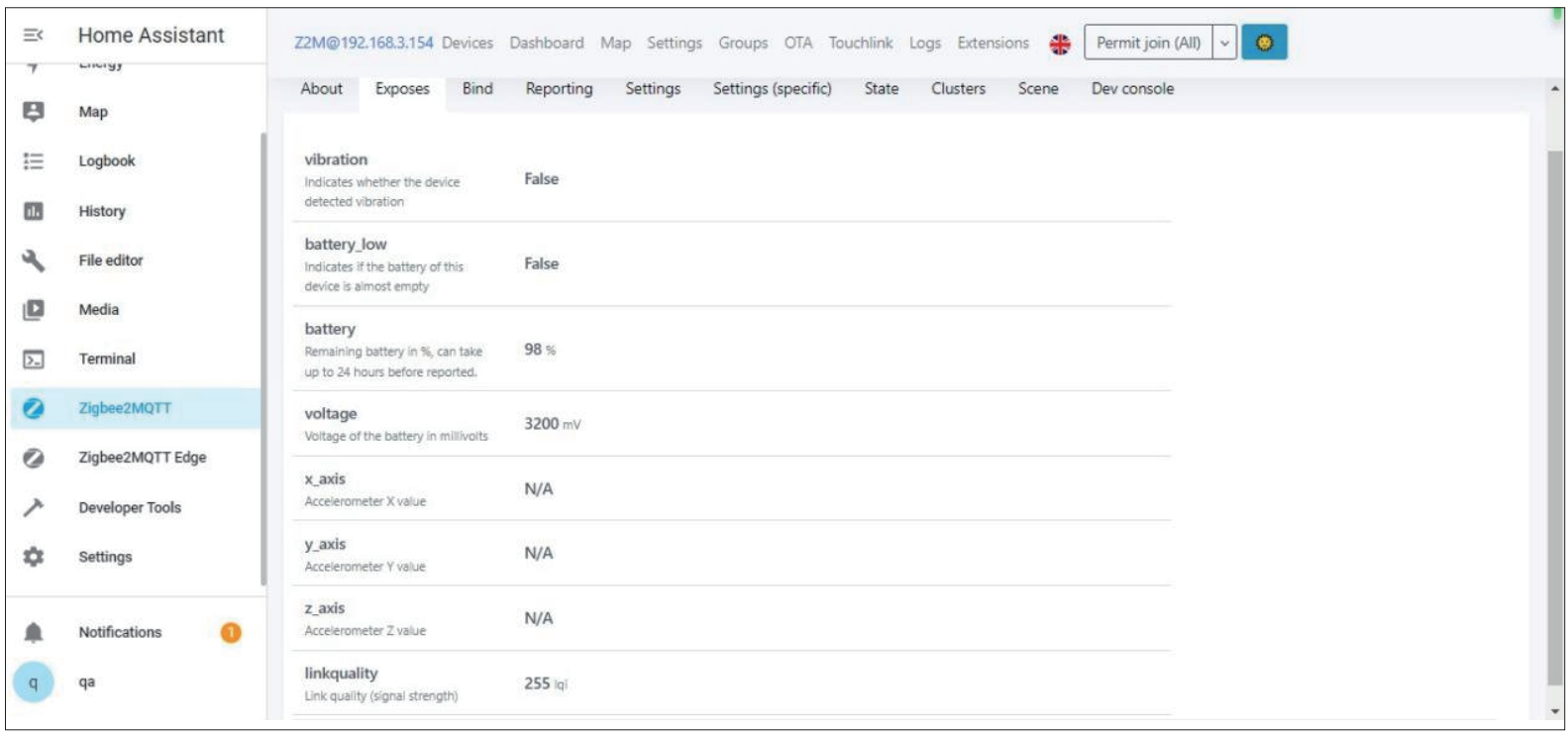
Notifications
qa
ADD INTEGRATION

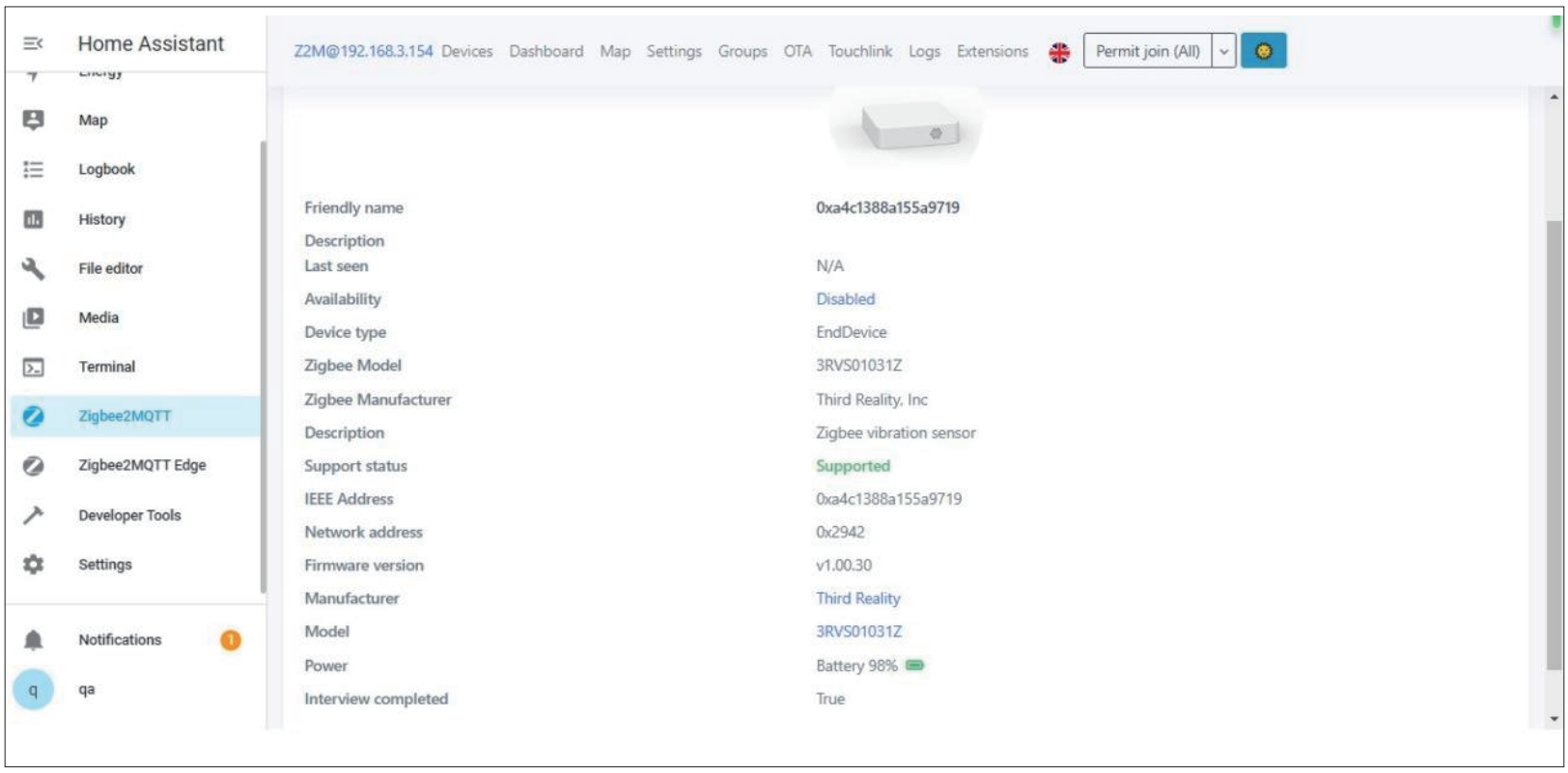

Home Assistant
Zigbee Coordinator
Map
Logbook
History
File editor
Media
Terminal
Zigbee2MQTT
Zigbee2MQTT Edge
Developer Tools
Settings
Notifications
qa
zigbee
Device info
ZiGate = ZiGate Zigbee radios: PiZiGate, ZiGate USB-TTL, ZiGate WiFi
by ZHA
Zigbee info
Zigbee Home Automation
ADD DEVICES VIA THIS DEVICE
Controls
This device has no entities
Logbook
No logbook events found.
Automations
No automations have been added using this device yet. You can add one by clicking the + button above.
Scripts

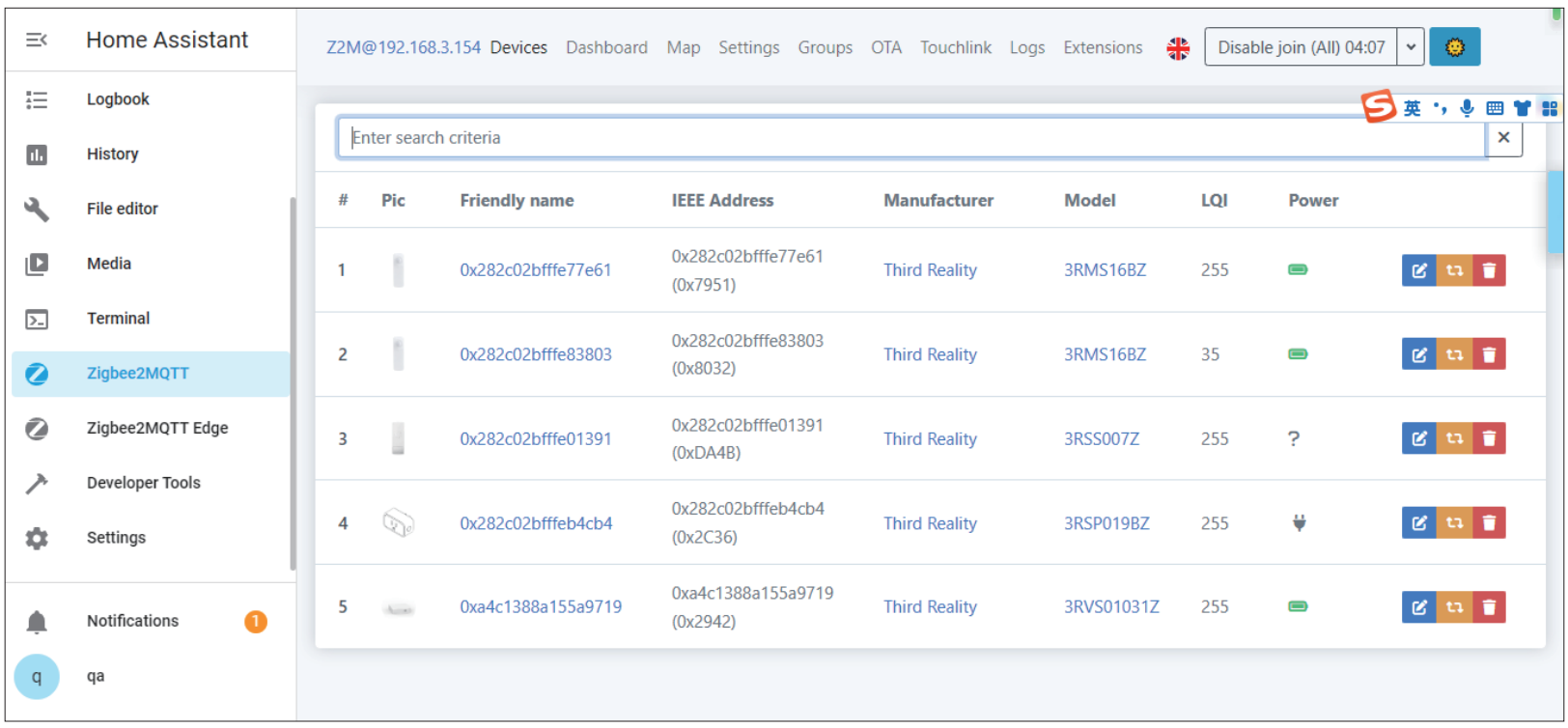

Home Assistant
Zigbee Coordinator
Map
Logbook
History
File editor
Media
Terminal
Zigbee2MQTT
Zigbee2MQTT Edge
Developer Tools
Settings
Searching for Zigbee devices...
Initialization Complete
The device is ready to use
3RVS01031Z
by Third Reality, Inc
Change device name
Third Reality, Inc 3RVS01031Z
Area
Interview Complete
Configuring
3RVS01031Z
by Third Reality, Inc
IEEE: a4:c1:38:ab:13:c0:93:d4
NWK: 0xf5c4


Home Assistant
Zigbee Coordinator
Map
Logbook
History
File editor
Media
Terminal
Zigbee2MQTT
Zigbee2MQTT Edge
Developer Tools
Settings
Search devices
Filtering by integration "Zigbee Home Automation"
CLEAR
Device
Manufacturer
Model
Area
Integration
Battery
Third Reality, Inc 3RMS16BZ
Third Reality, Inc
3RMS16BZ
–
Zigbee Home Automation
–
Third Reality, Inc 3RSNL02043Z
Third Reality, Inc
3RSNL02043Z
–
Zigbee Home Automation
–
Third Reality, Inc 3RVS01031Z
Third Reality, Inc
3RVS01031Z
–
Zigbee Home Automation
80%
Third Reality, Inc 3RVS01031Z
Third Reality, Inc
3RVS01031Z
–
Zigbee Home Automation
44%
Zigbee Coordinator
ZHA
ZiGate = ZiGate Zigbee ra...
–
Zigbee Home Automation
–

Zigbee2MQTT







Pairing With SmartThings

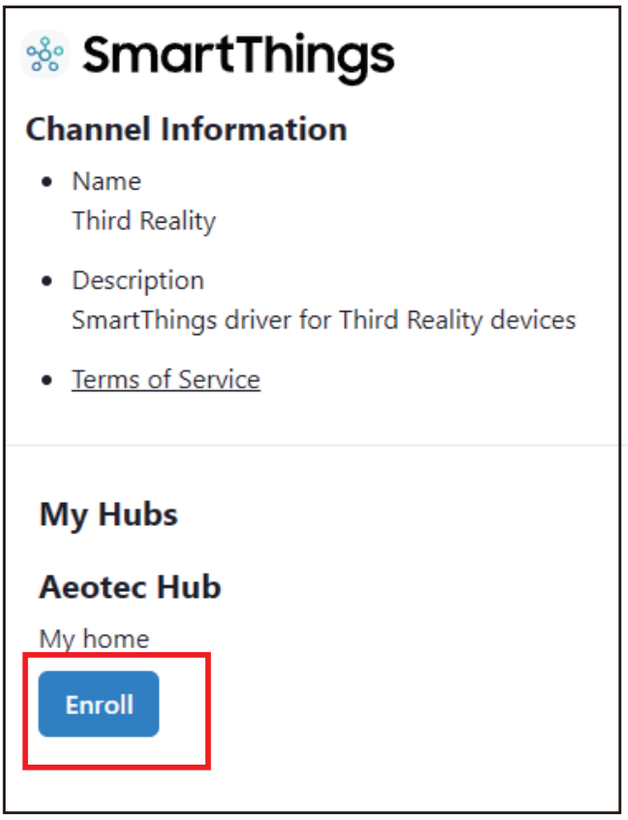
App: SmartThings App

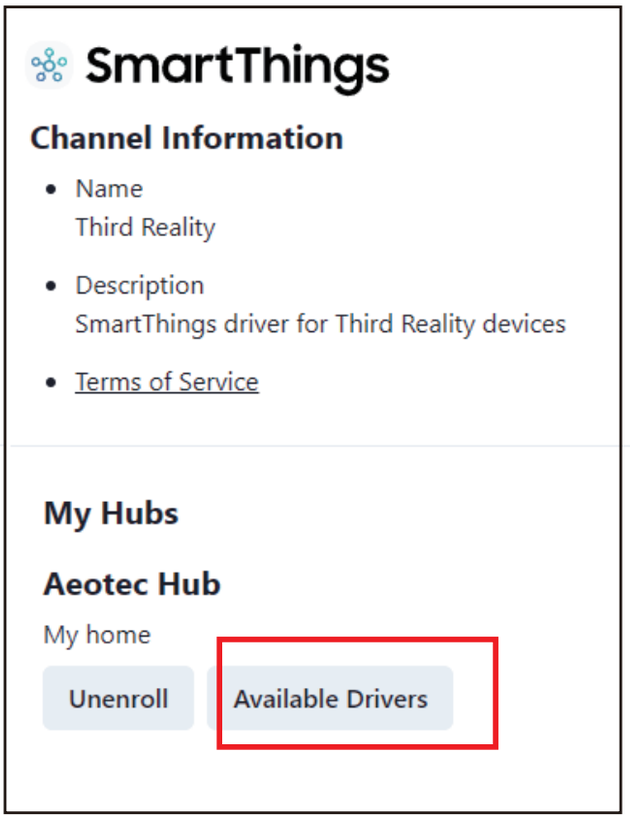
SmartThings Hub 2nd Gen(2015) and 3rd Gen(2018), Aeotec Smart Home Hub.

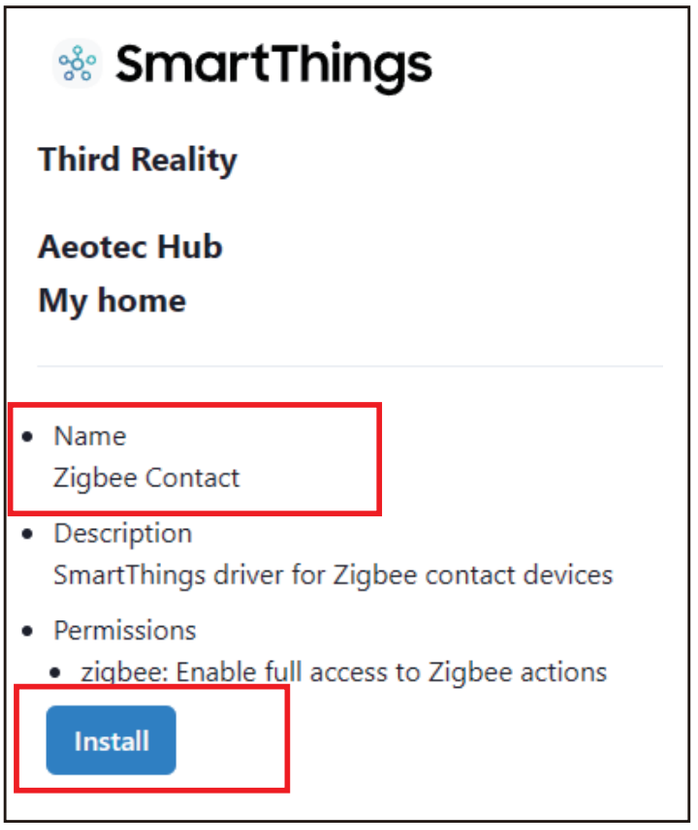
Pairing steps:

1. Before pairing, check for updates to make sure the SmartThings Hub firmware is up to date.
2. Add SmartThings drivers for Vibration Sensor
    - Open this link in your PC browser. Log in your SmartThings Account. https://bestow-regional.api.smartthings.com/invite/adM-Kr50EXzj9

- Click "Enroll" --"Available Drivers" -- "Install" to install the Zigbee Contact driver.



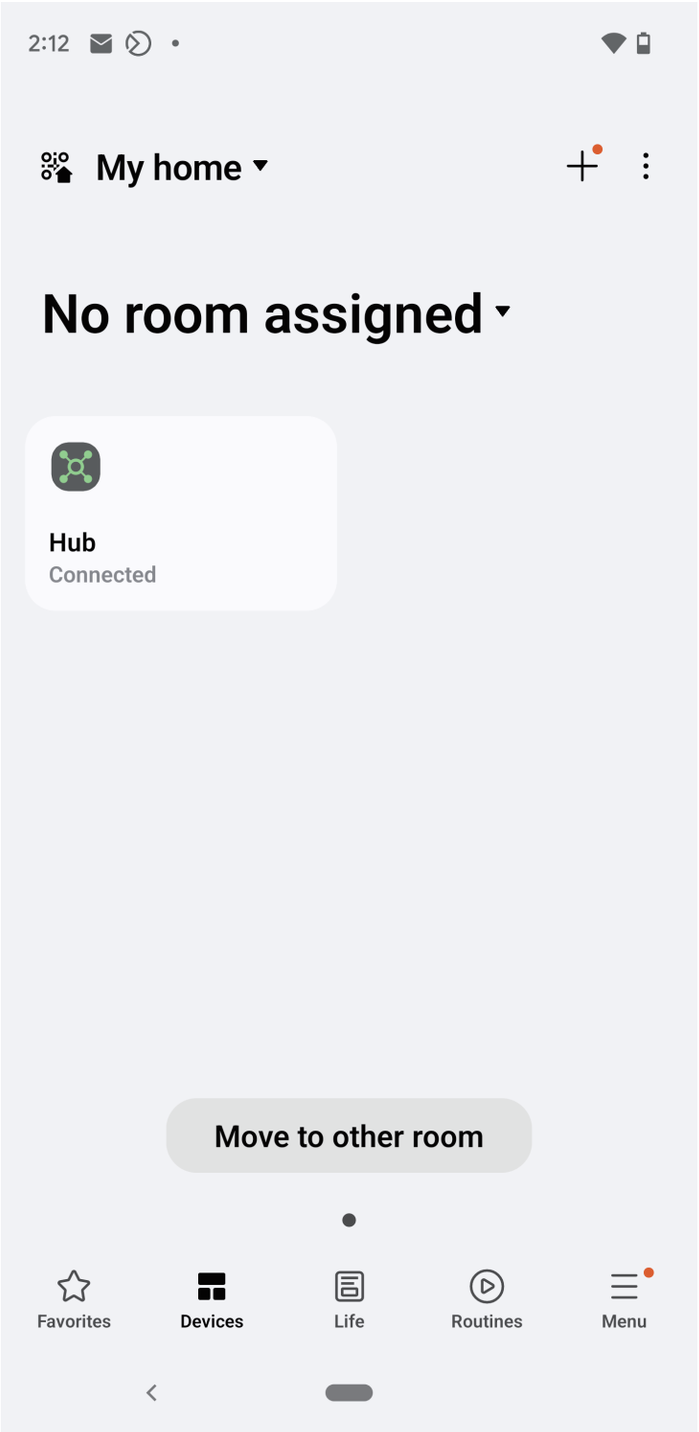


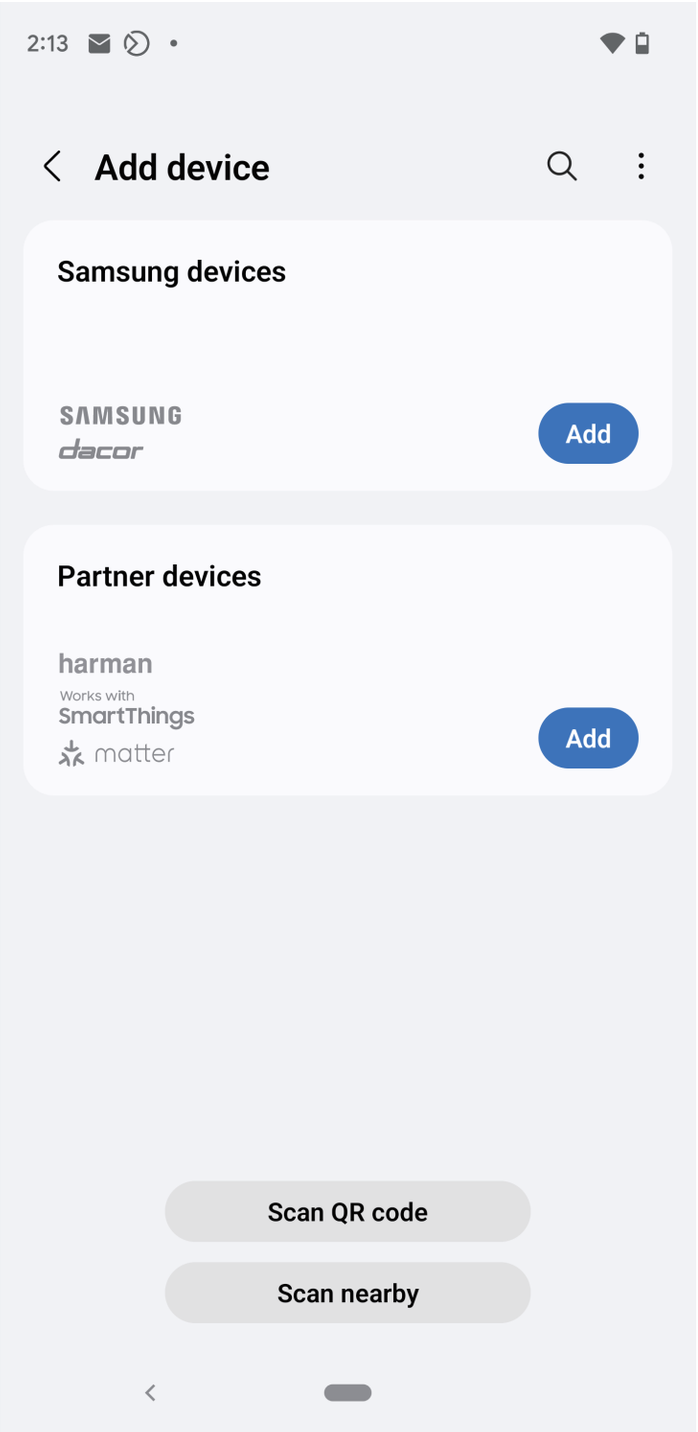


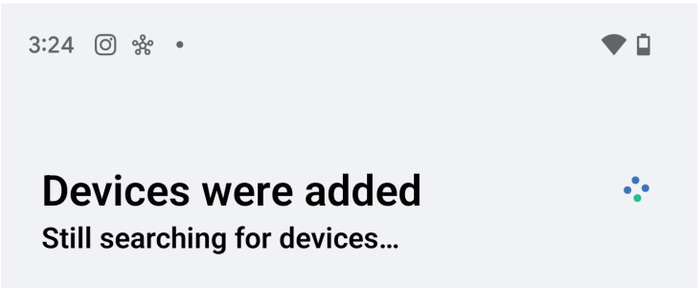
3. Install the batteries. Press and hold the reset button for 5 seconds to factory reset the sensor, the LED light will turn red and flash, indicating entering Zigbee pairing mode. It will exit Zigbee pair-

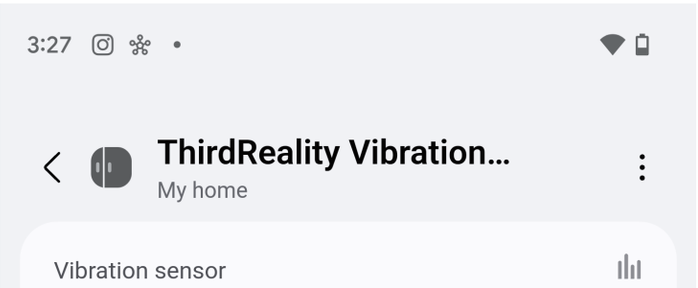
ing mode after 3 min if not paired.

4. Open the SmartThings App, tap "+" on the upper right corner to "Add device" and then tap "Scan for nearby devices".
5. The Vibration Sensor will be paired with the SmartThings hub. Create routines to control connected devices.









Added devices (Hub)

ThirdReality Vibration Senso..
My home -
Edit

Done

Available devices

No vibration

3-axis sensor

X-axis	Y-axis	Z-axis
-1,375	-1,125	1,984

Battery

86 %

Controls Routines History

3:30

Create routine

If

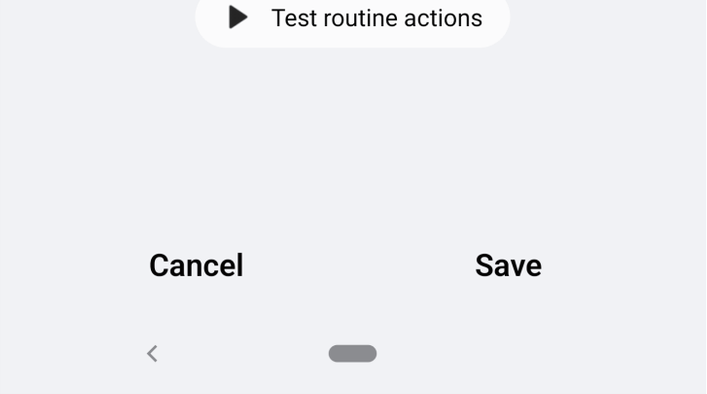
ThirdReality Vibration Sensor 1
No room assigned
Vibration sensor: Vibration detected

Add condition

Then

Send notification to members
Vibration detected

Add action



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