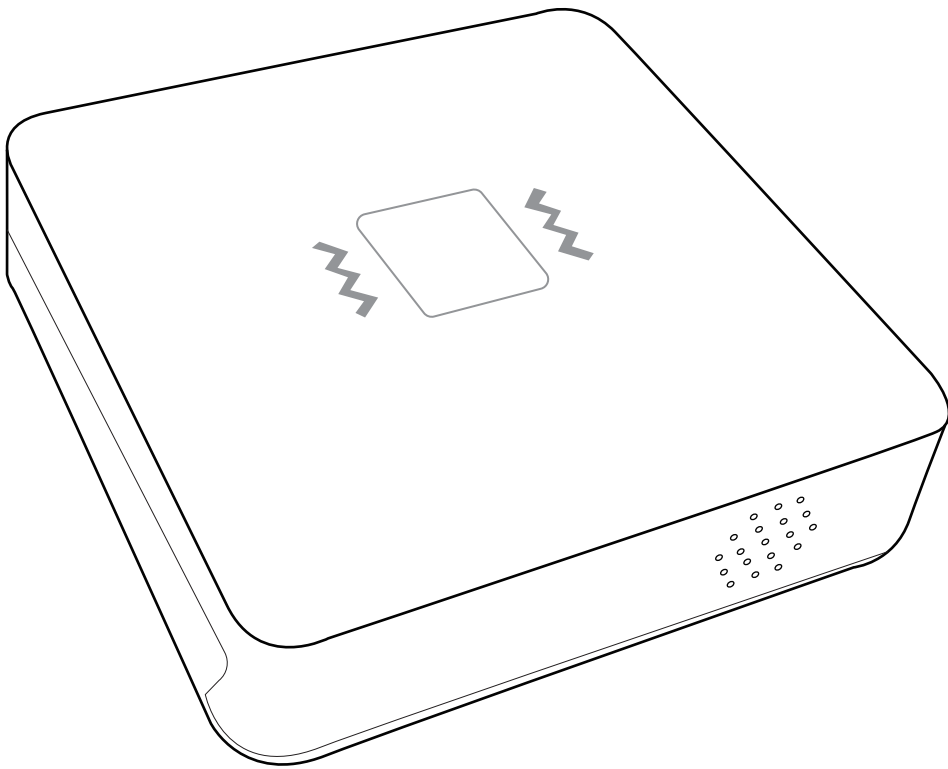


Vibration Sensor

User Manual



THIRDREALITY

Contents

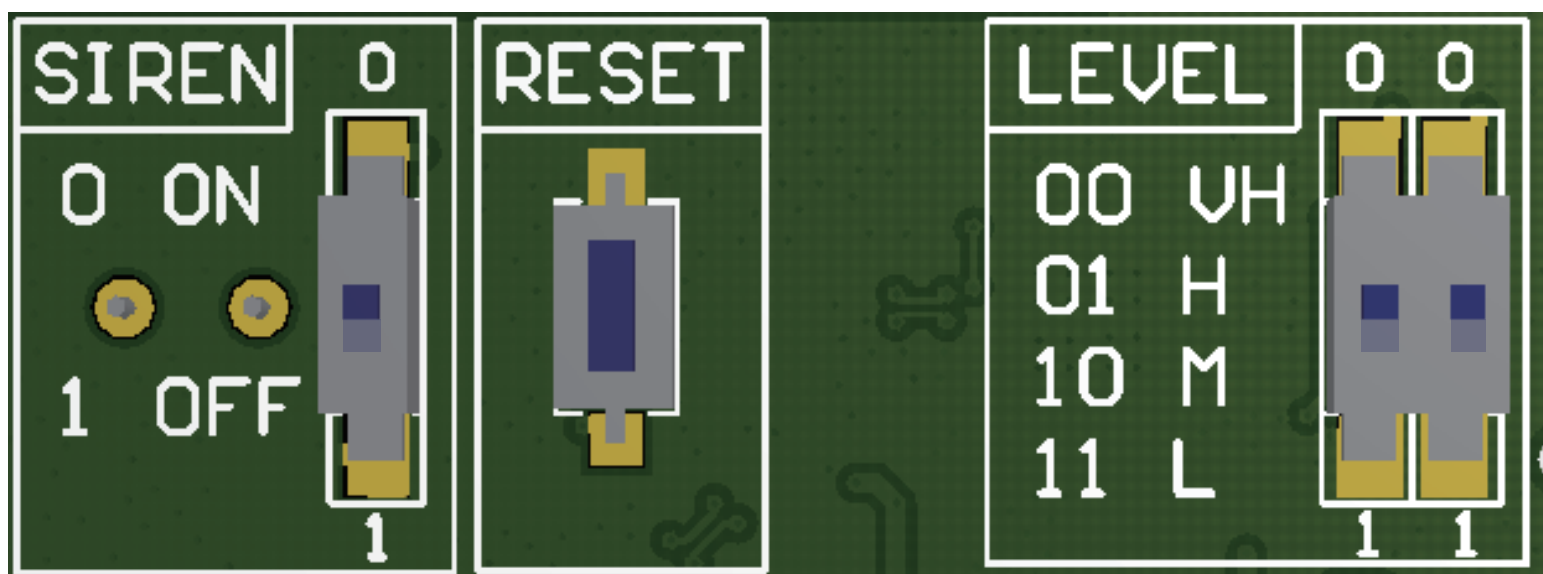
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Introduction

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.

Specifications

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:

Sensitivity 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

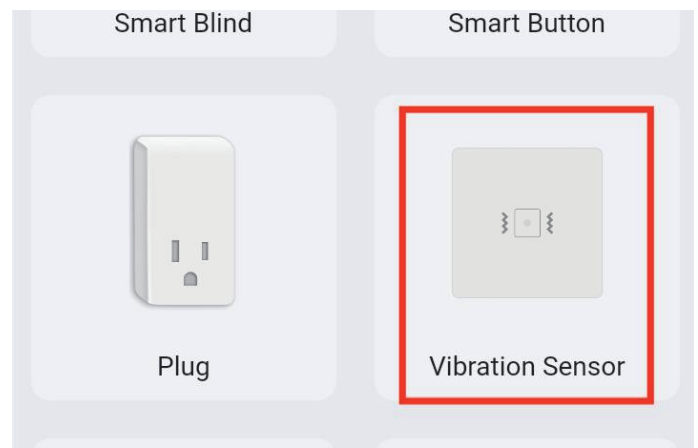
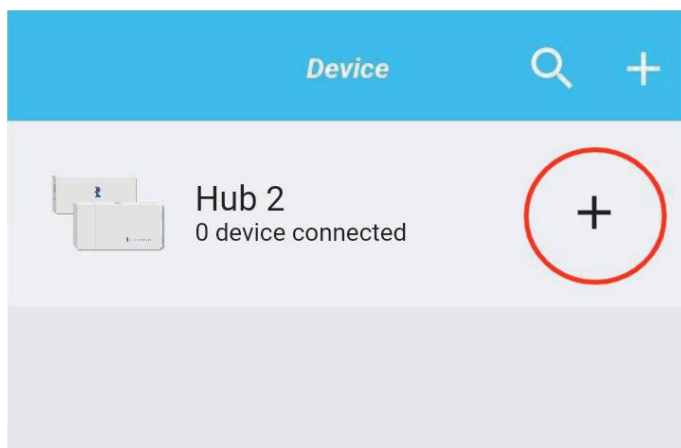
Hub: Third Reality Hub Gen2 /Gen2 Plus

App: Third Reality

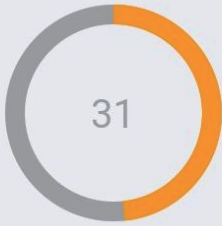


Pairing steps:

1. Tap "+" 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.



Pairing in progress. The LED on the device may change - this is normal



- ✓ Network of the mobile phone is online
- ✓ Hub 2 is online
- ✓ Hub 2 is in pairing mode

Vibrator Sensor 1

Complete



Vibrator Sensor 1
connected to Hub 2

UNDETECT
ED



Hub 2
1 device connected



Vibration Sensor

UNDETECTED

3-axis Sensor

X-axis
875

Y-axis
-1671

Z-axis
-312

Name

Vibrator Sensor 1 >

Network

online

Type

Sensor

Mac

A4C138D665CC88FE

Battery

High

Version

v1.00.32



Device



Group



Timer



Routine



Settings

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. Tap "+" 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.

A blue rectangular button with the text "Discover Devices" in white. A red rectangular box highlights the button.

Discover Devices

The Matter logo icon, a stylized starburst shape.

matter

The Bluetooth logo icon, a stylized symbol.

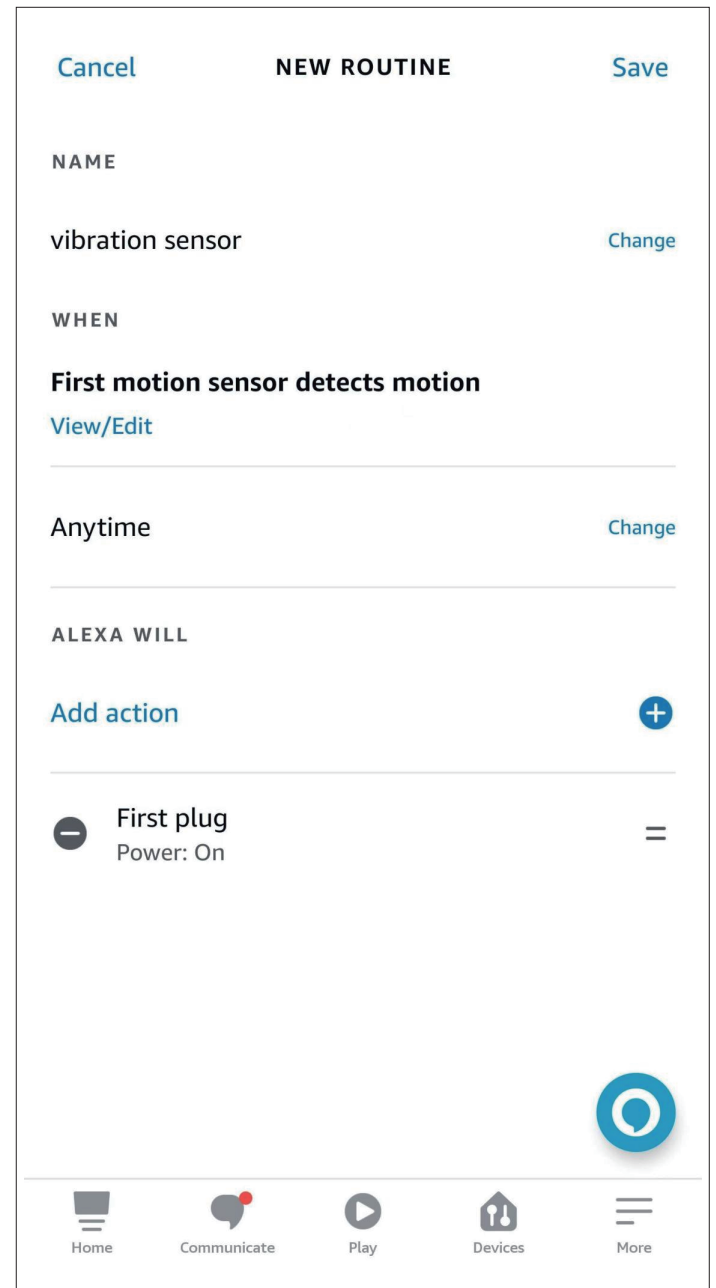
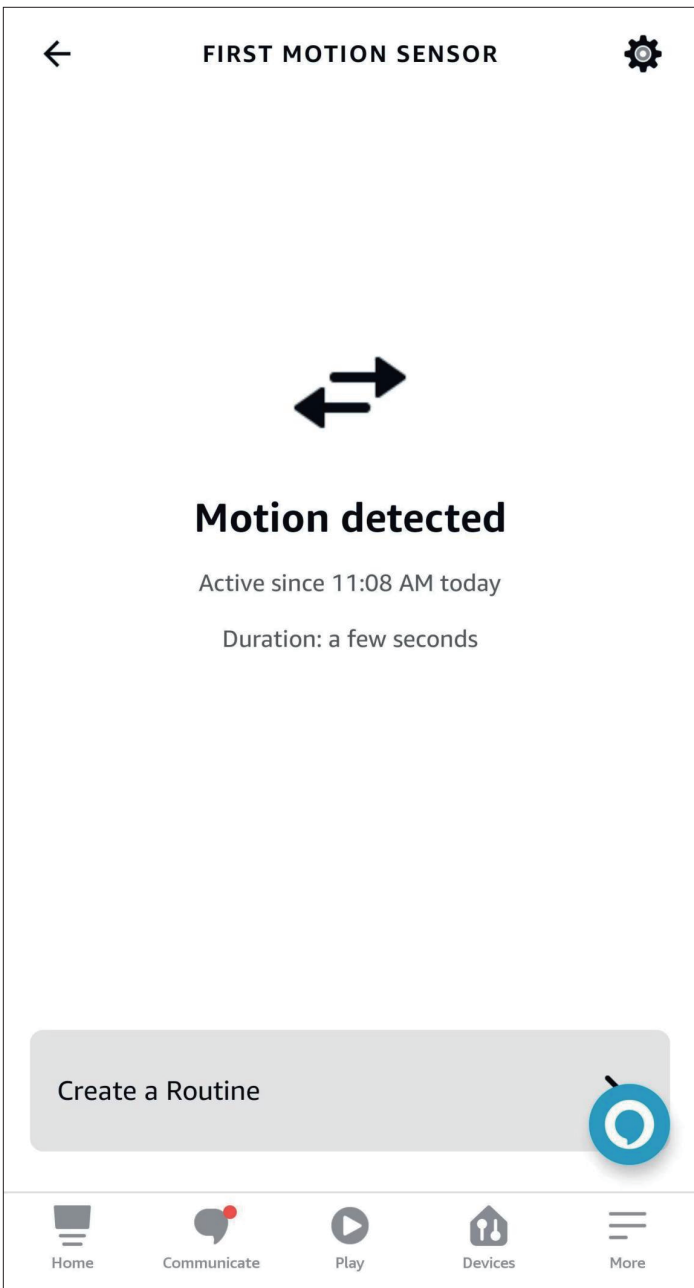
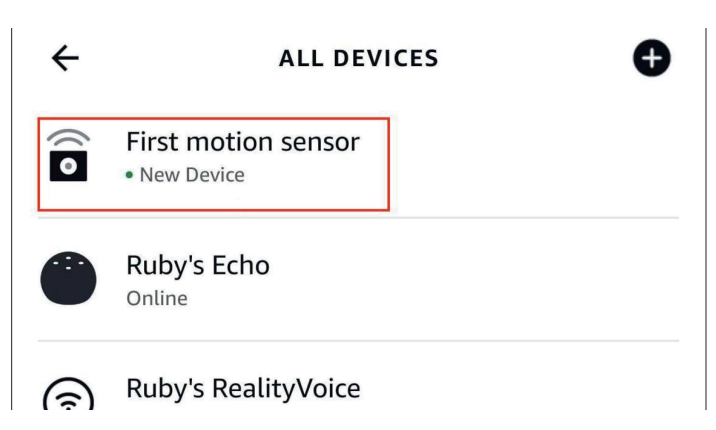
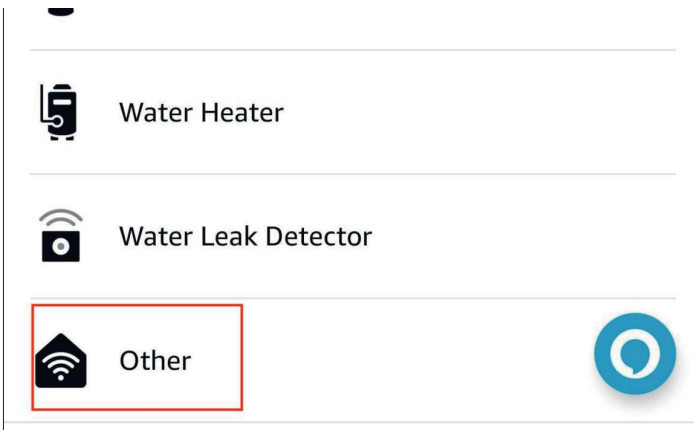
Bluetooth

The Zigbee logo icon, a stylized 'Z' inside a circle.

zigbee

The Wi-Fi logo icon, a stylized signal symbol.

Wi-Fi



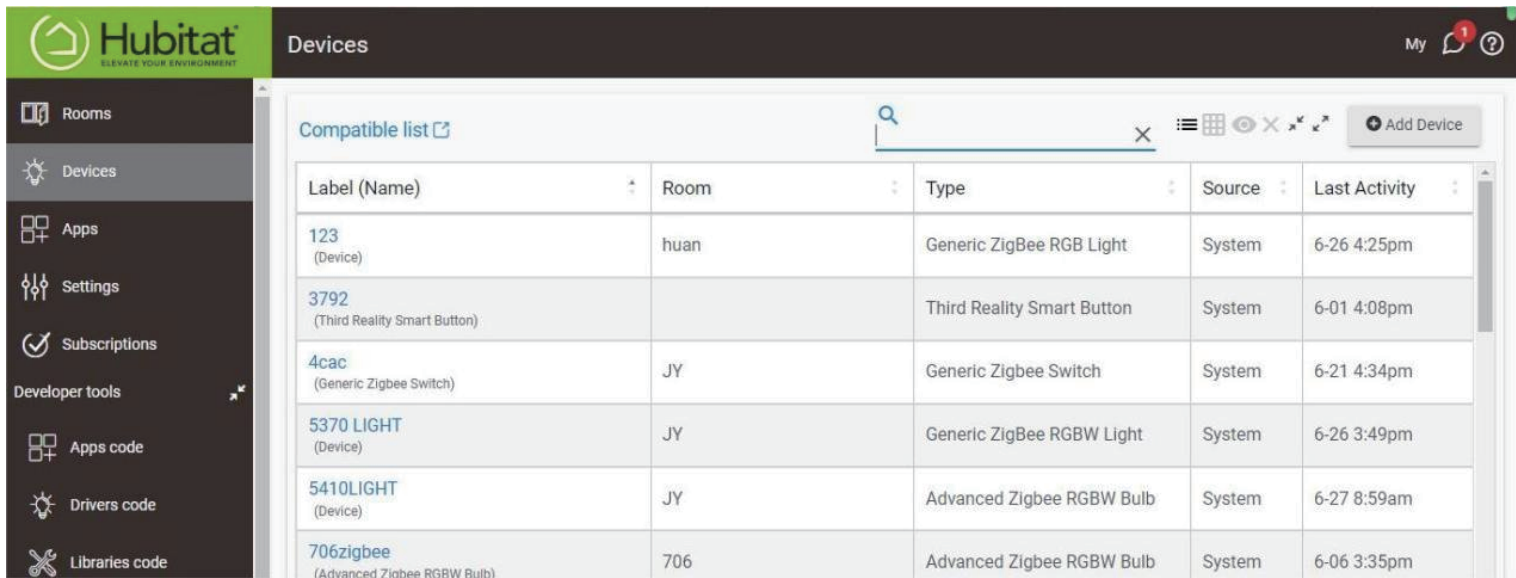
Pairing with Hubitat

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



Pairing steps:

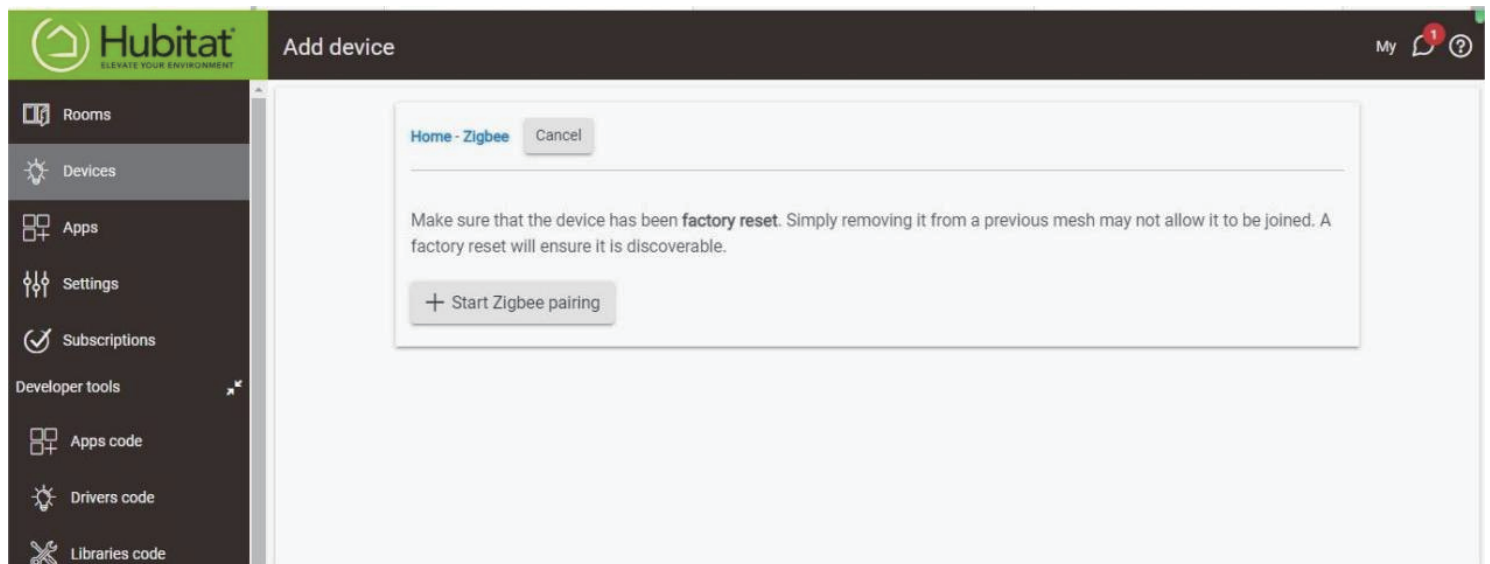
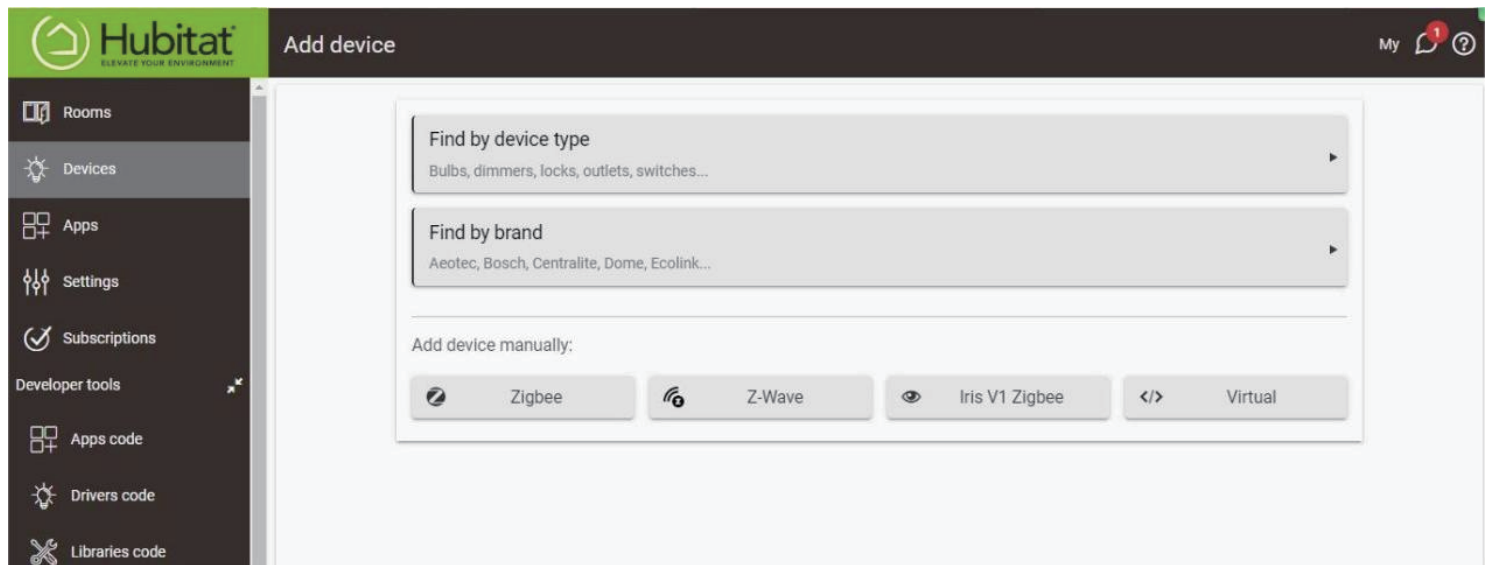
1. Tap "Add Device" in Hubitat Devices page.



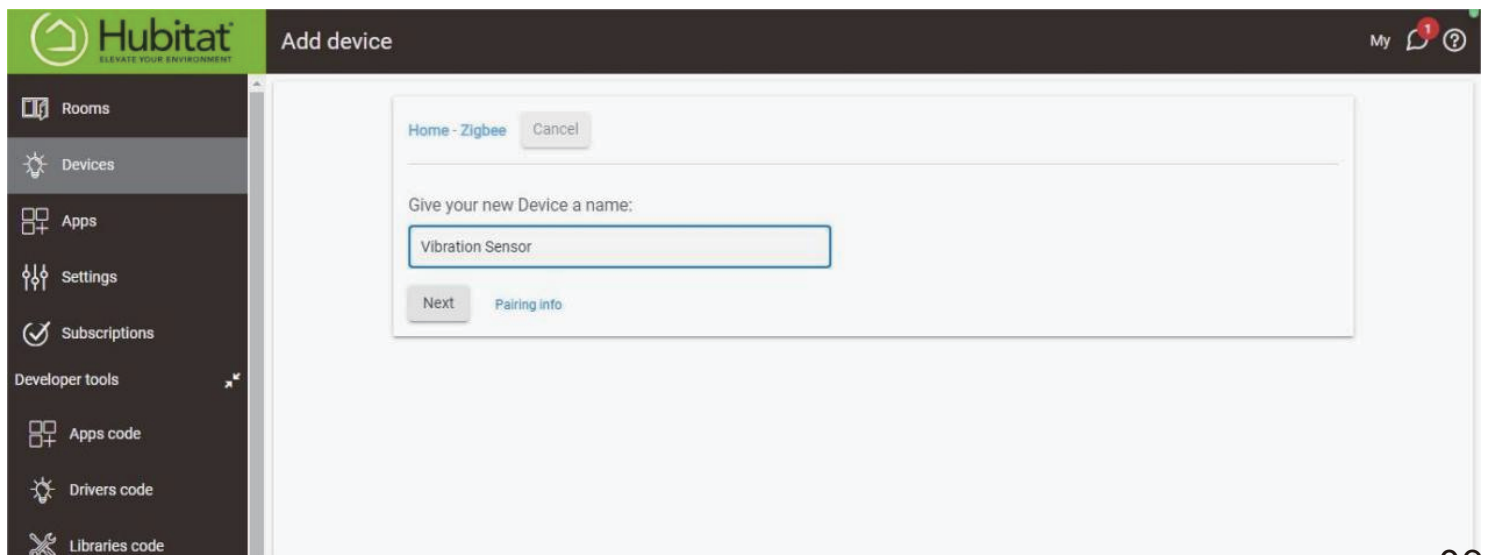
The screenshot shows the Hubitat mobile app interface. The top bar includes the Hubitat logo and the word "Devices". A sidebar on the left contains navigation options: Rooms, Devices, Apps, Settings, Subscriptions, and Developer tools. The main content area displays a "Compatible list" table with the following data:

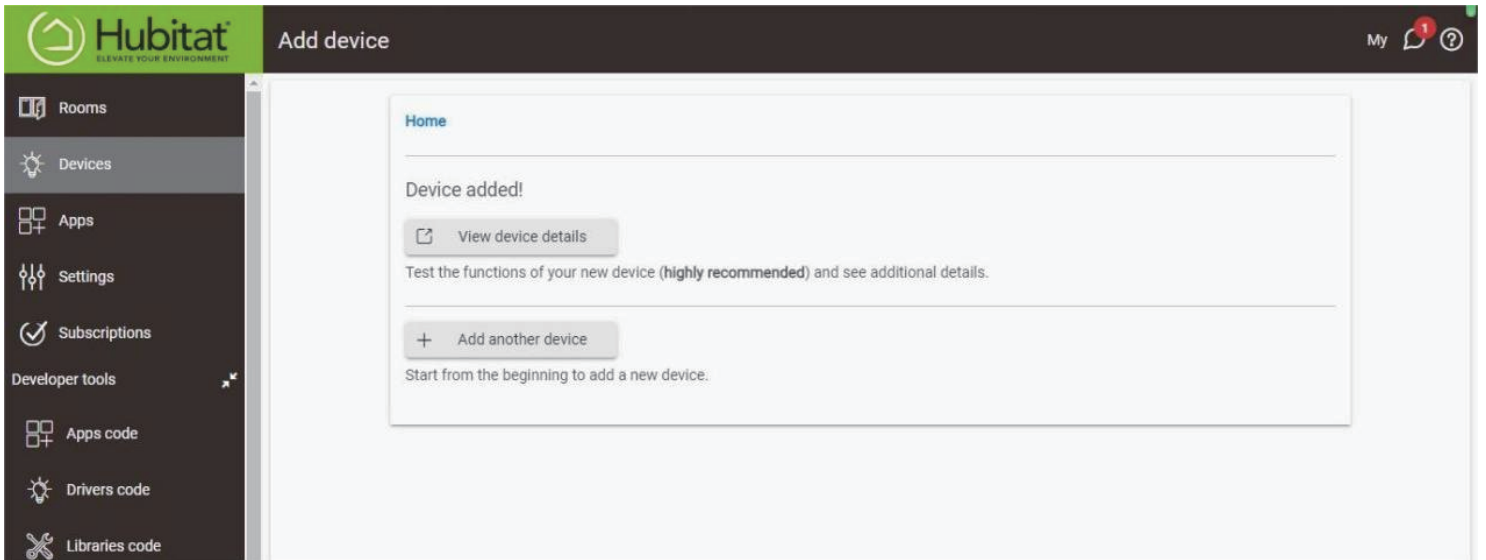
Label (Name)	Room	Type	Source	Last Activity
123 (Device)	huan	Generic ZigBee RGB Light	System	6-26 4:25pm
3792 (Third Reality Smart Button)		Third Reality Smart Button	System	6-01 4:08pm
4cac (Generic Zigbee Switch)	JY	Generic Zigbee Switch	System	6-21 4:34pm
5370 LIGHT (Device)	JY	Generic ZigBee RGBW Light	System	6-26 3:49pm
5410LIGHT (Device)	JY	Advanced Zigbee RGBW Bulb	System	6-27 8:59am
706zigbee (Advanced Ziobee RGBW Bulb)	706	Advanced Zigbee RGBW Bulb	System	6-06 3:35pm

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

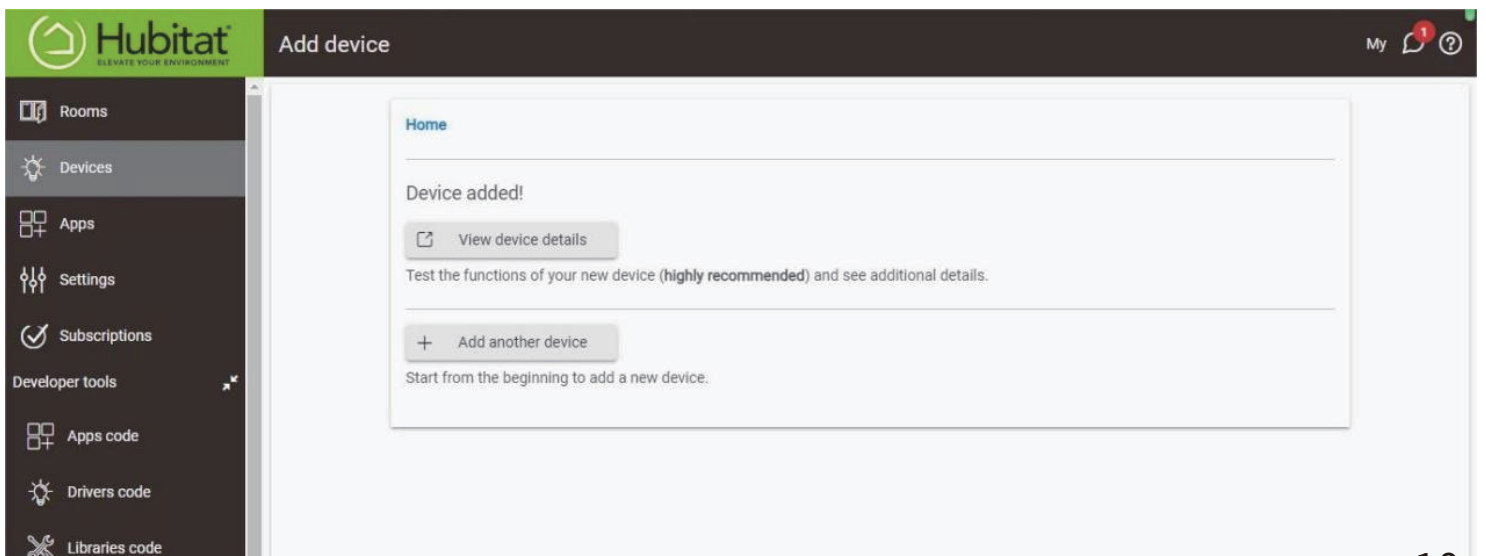
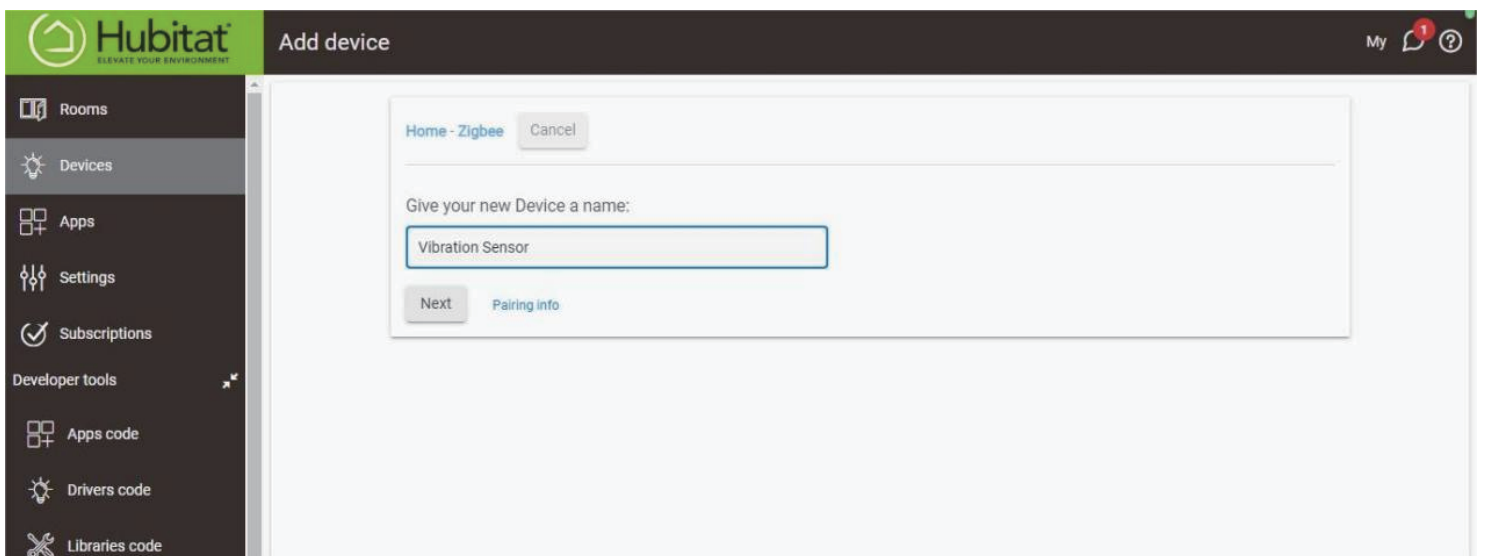


3. Create a device name for the vibration sensor, then click "Next" to add device.





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.

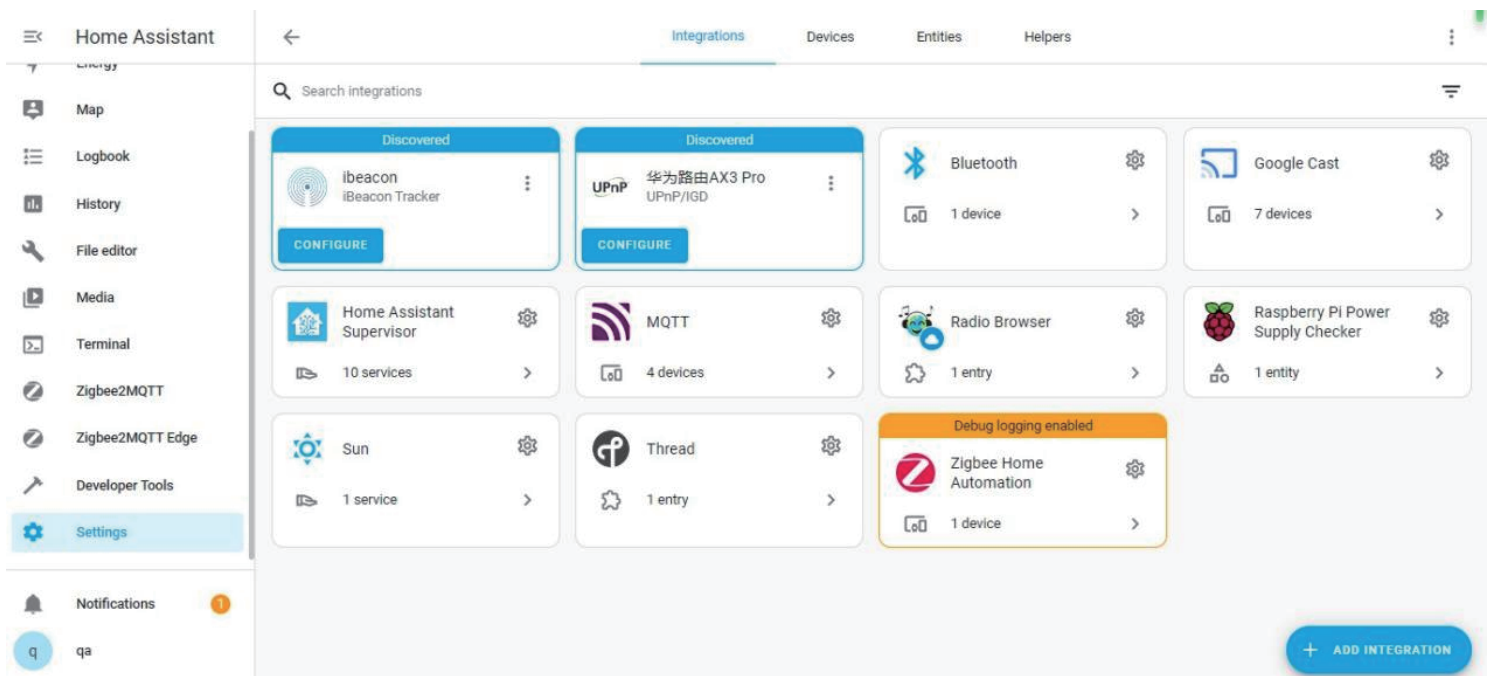


Pairing with Home Assistant



Pairing steps:

Zigbee Home Automation



Home Assistant Zigbee Coordinator

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

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

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

Home Assistant

Z2M@192.168.3.154 Devices Dashboard Map Settings Groups OTA Touchlink Logs Extensions Permit join (All)

About Exposes Bind Reporting Settings Settings (specific) State Clusters Scene Dev console

vibration
Indicates whether the device detected vibration **False**

battery_low
Indicates if the battery of this device is almost empty **False**

battery
Remaining battery in %, can take up to 24 hours before reported. **98 %**

voltage
Voltage of the battery in millivolts **3200 mV**

x_axis
Accelerometer X value **N/A**


y_axis
Accelerometer Y value **N/A**

z_axis
Accelerometer Z value **N/A**

linkquality
Link quality (signal strength) **255 lqi**

Home Assistant

Z2M@192.168.3.154 Devices Dashboard Map Settings Groups OTA Touchlink Logs Extensions Permit join (All)



Friendly name 0xa4c1388a155a9719

Description

Last seen N/A

Availability Disabled

Device type EndDevice

Zigbee Model 3RVS01031Z

Zigbee Manufacturer Third Reality, Inc

Description Zigbee vibration sensor

Support status Supported

IEEE Address 0xa4c1388a155a9719

Network address 0x2942

Firmware version v1.00.30

Manufacturer Third Reality

Model 3RVS01031Z



Power Battery 98%

Interview completed True

Home Assistant

Z2M@192.168.3.154 Devices Dashboard Map Settings Groups OTA Touchlink Logs Extensions Disable join (All) 04:07

Enter search criteria

#	Pic	Friendly name	IEEE Address	Manufacturer	Model	LQI	Power
1		0x282c02bffe77e61	0x282c02bffe77e61 (0x7951)	Third Reality	3RMS16BZ	255	🟢
2		0x282c02bffe83803	0x282c02bffe83803 (0x8032)	Third Reality	3RMS16BZ	35	🟢
3		0x282c02bffe01391	0x282c02bffe01391 (0xDA4B)	Third Reality	3RSS007Z	255	?
4		0x282c02bffe4cb4	0x282c02bffe4cb4 (0x2C36)	Third Reality	3RSP019BZ	255	🔻
5		0xa4c1388a155a9719	0xa4c1388a155a9719 (0x2942)	Third Reality	3RVS01031Z	255	🟢

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://bit.ly/3BjdrXp>
 - Click "Enroll" --"Available Drivers" -- "Install" to install the Zigbee Contact 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

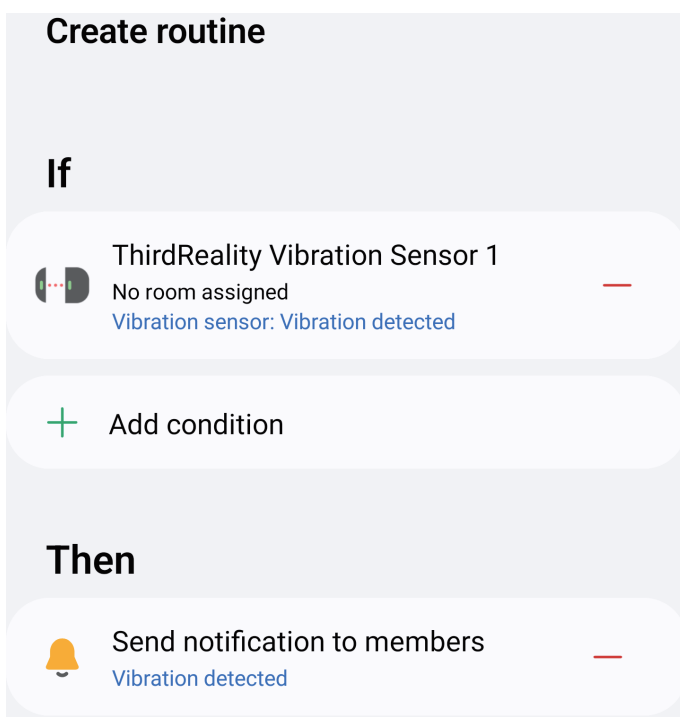
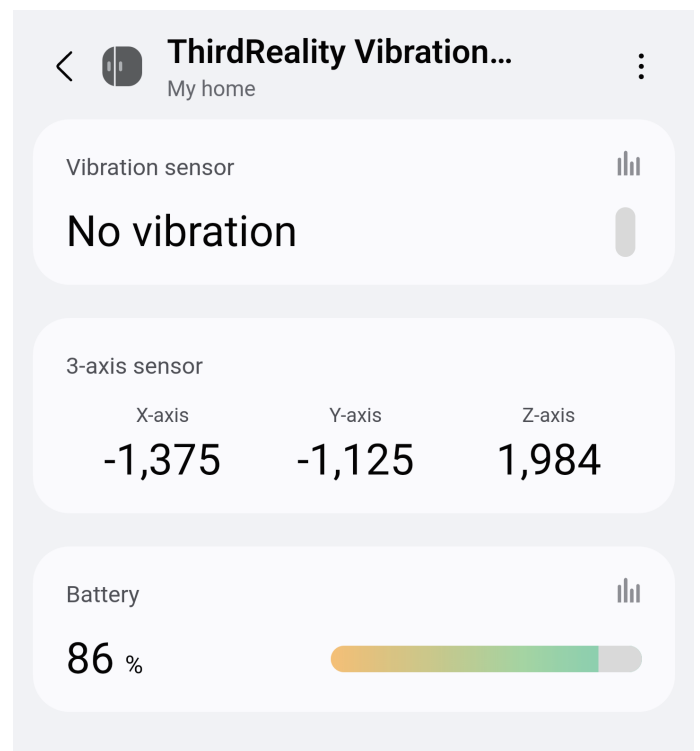
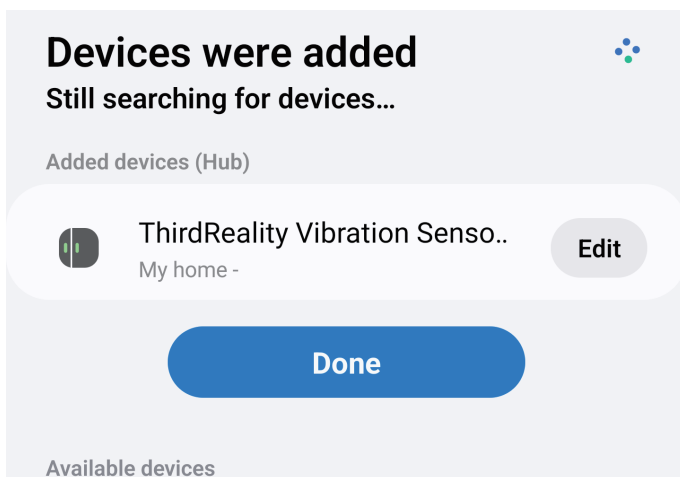
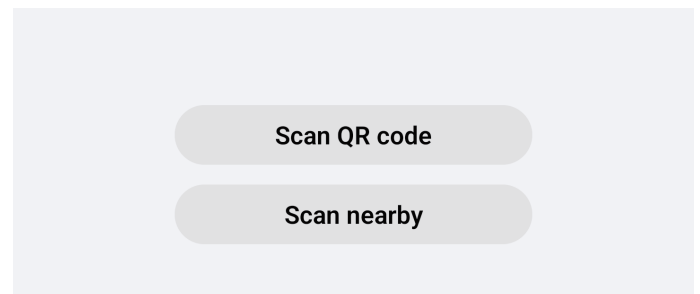
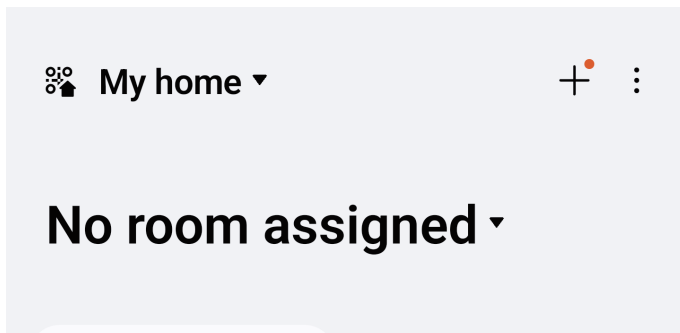
Aeotec Hub

My home

- Name
Zigbee Contact
- Description
SmartThings driver for Zigbee contact devices
- Permissions
 - zigbee: Enable full access to Zigbee actions

Install

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 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 Vibration Sensor will be paired with the SmartThings hub. Create routines to control connected devices.



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 <https://3reality.com/-faq-help-center/>.

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

For question on other platforms, visit for corresponding platform's application/support platforms.