

THIRDREALITY Zigbee Vibration Sensor User Guide

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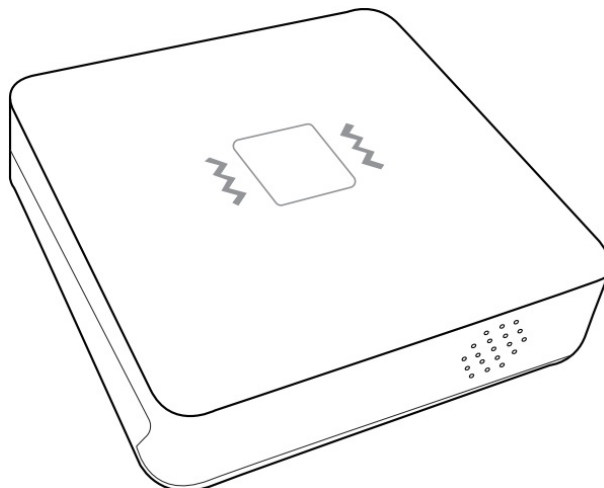
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Vibration Sensor

Quick Start Guide

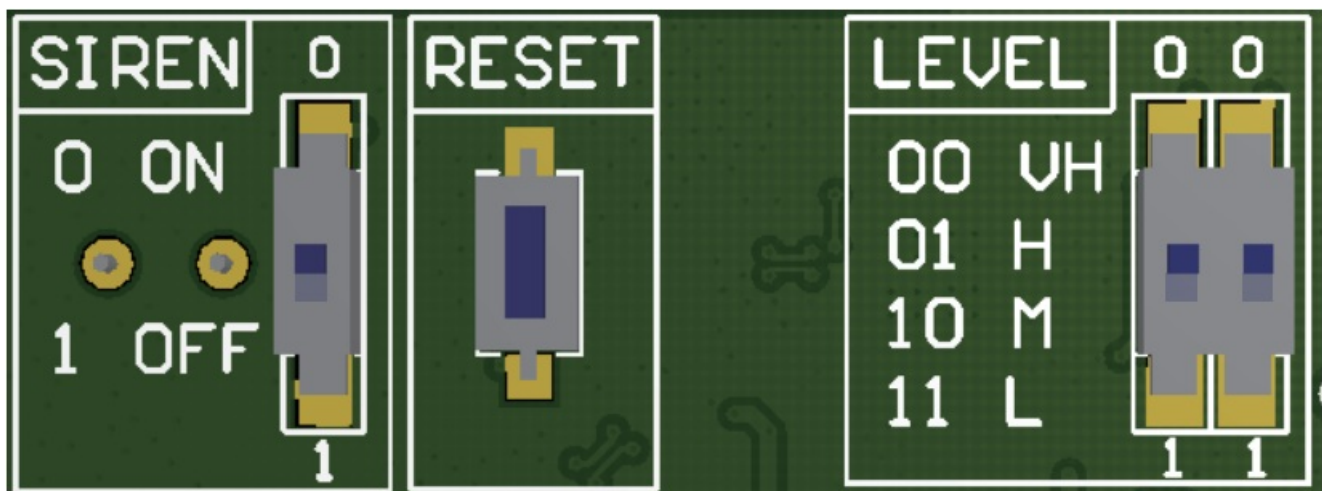


THIRDREALITY

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:

0	1
ON	OFF

Sensitivity Setting:

			
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.

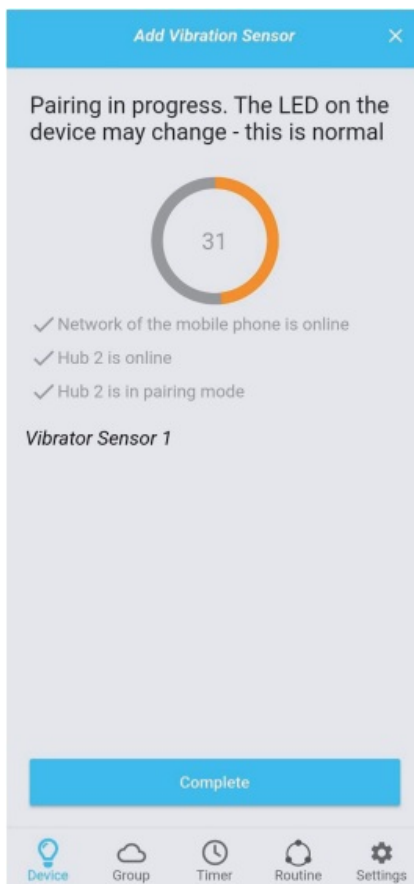
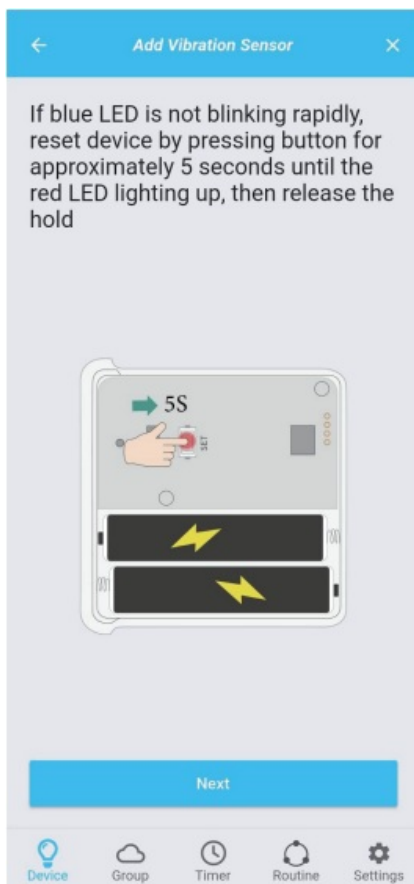
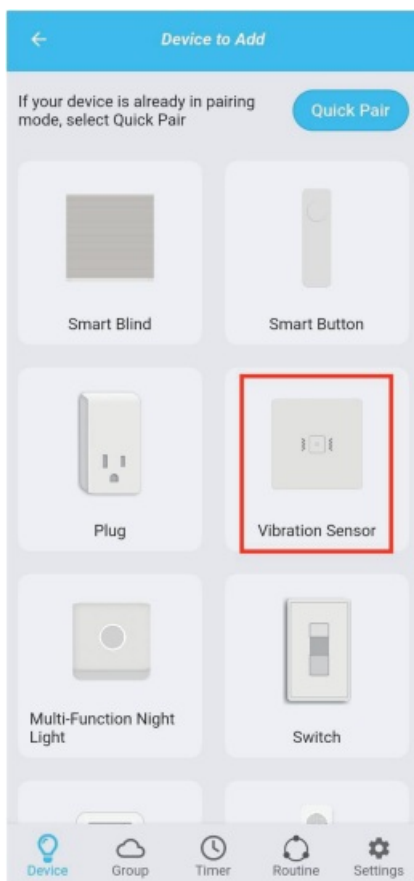
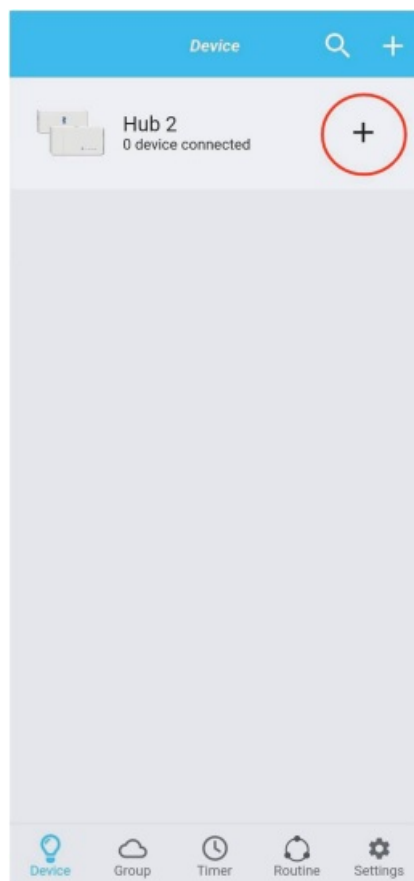
Pairing with Third Reality

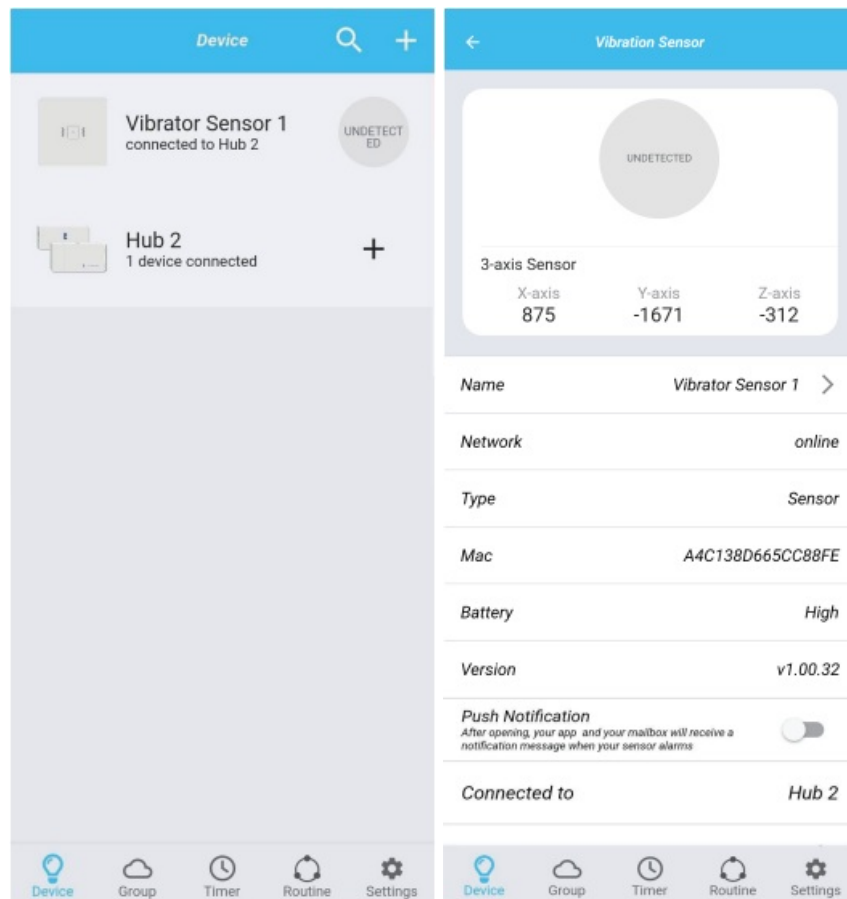
Hub: Third Reality Hub Gen2 /Gen2 Plus
App: Third Reality



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.





Pairing With Amazon Echo

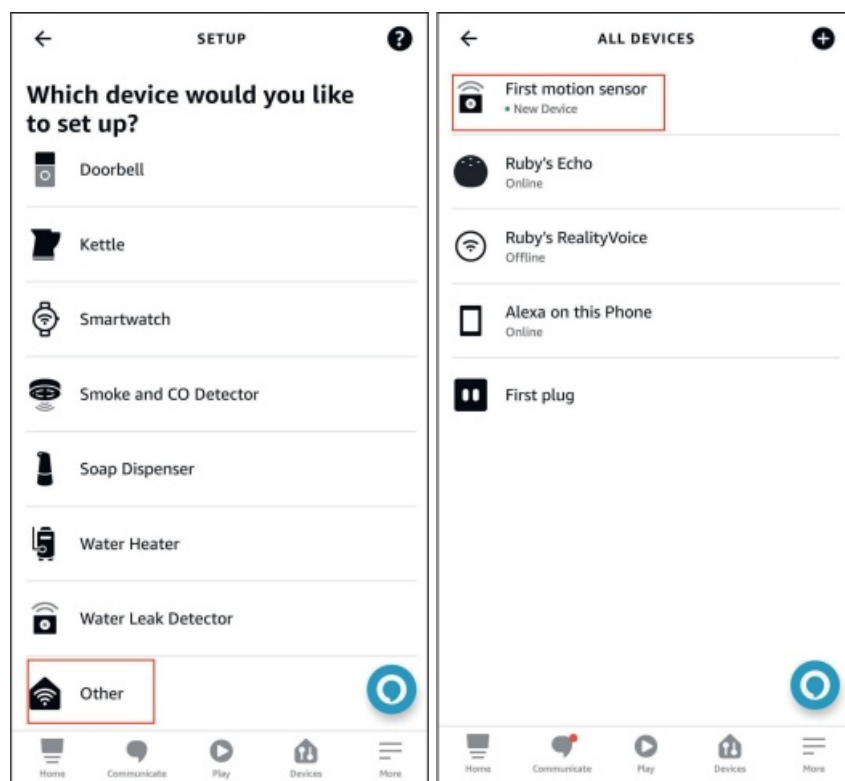
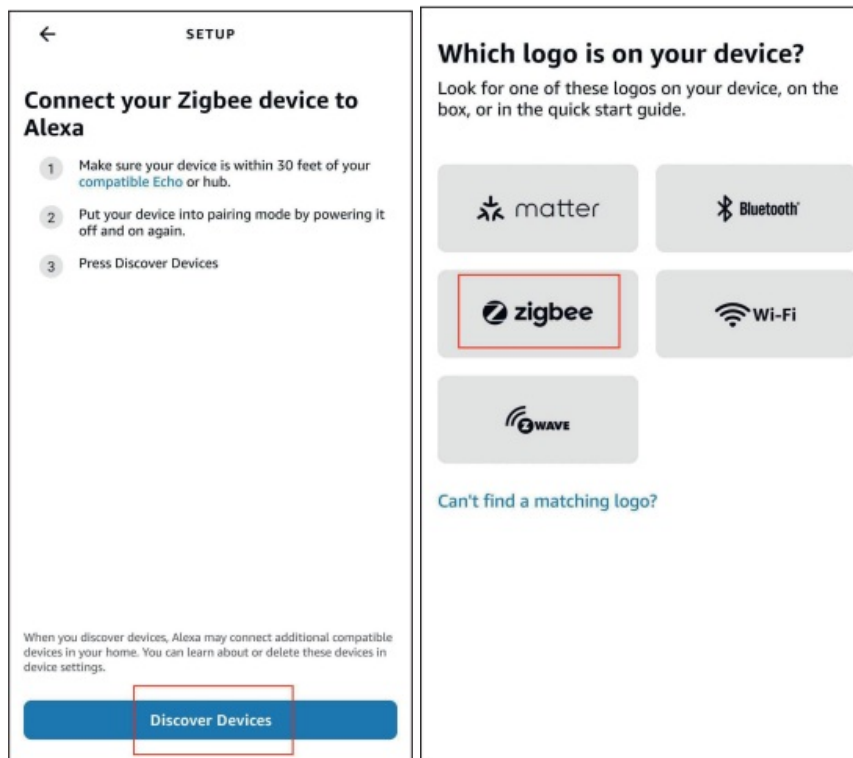
App: Amazon Alexa

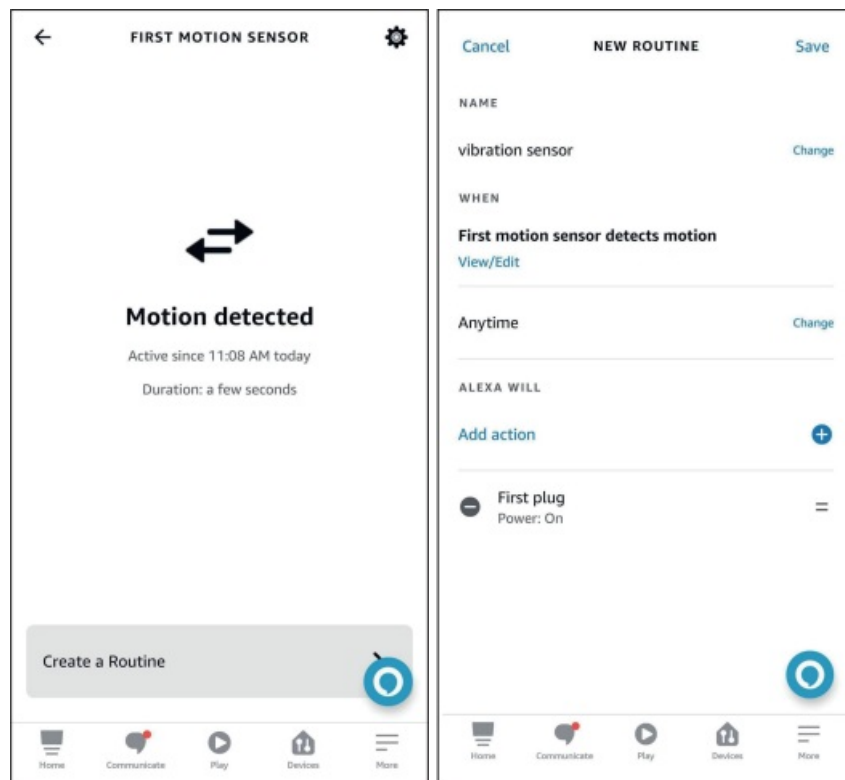


Pairing with Echo devices with built-in ZigBee hubs such As Echo V4, Echo Plus V1 & V2, Echo Studio, Echo Show 10, and Eero 6 & 6 pro.

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.





Pairing With Hubitat

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

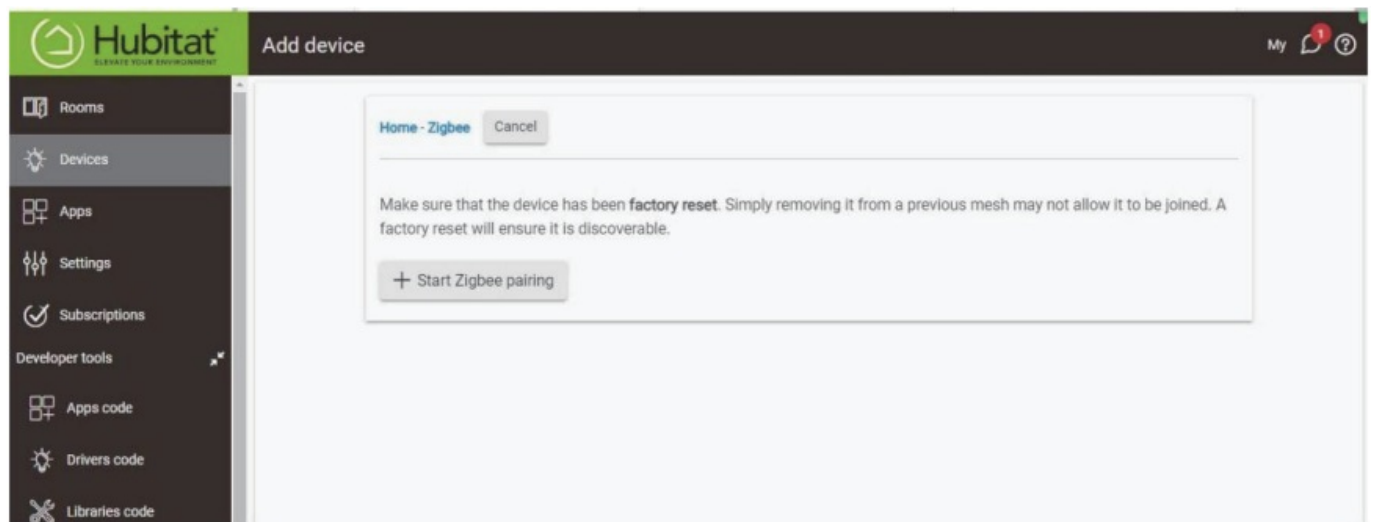
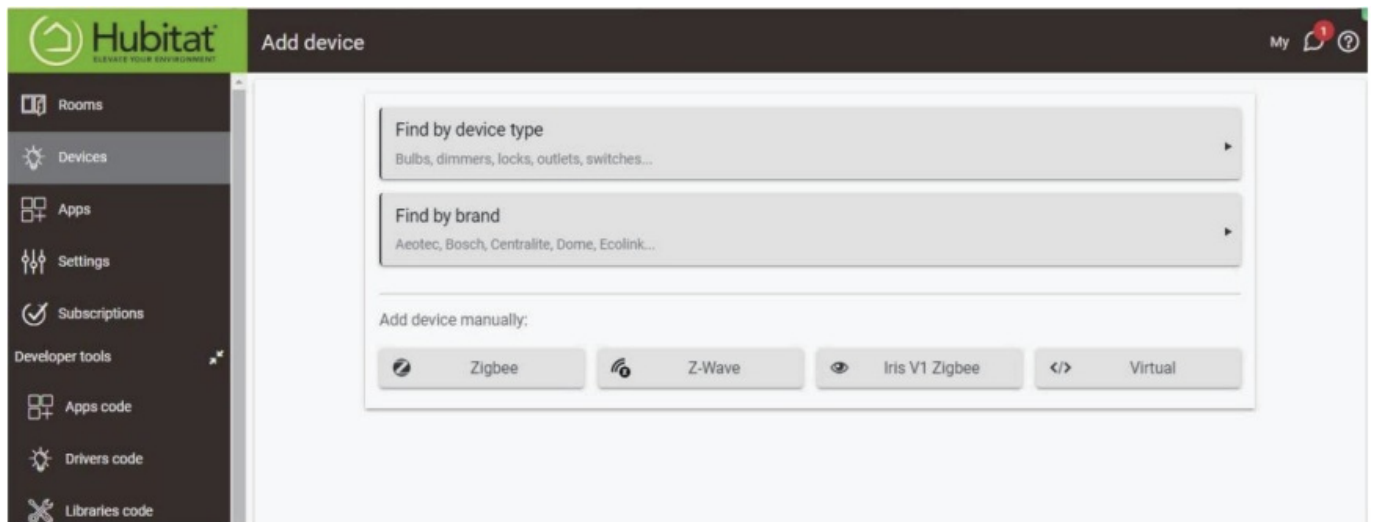


Pairing steps:

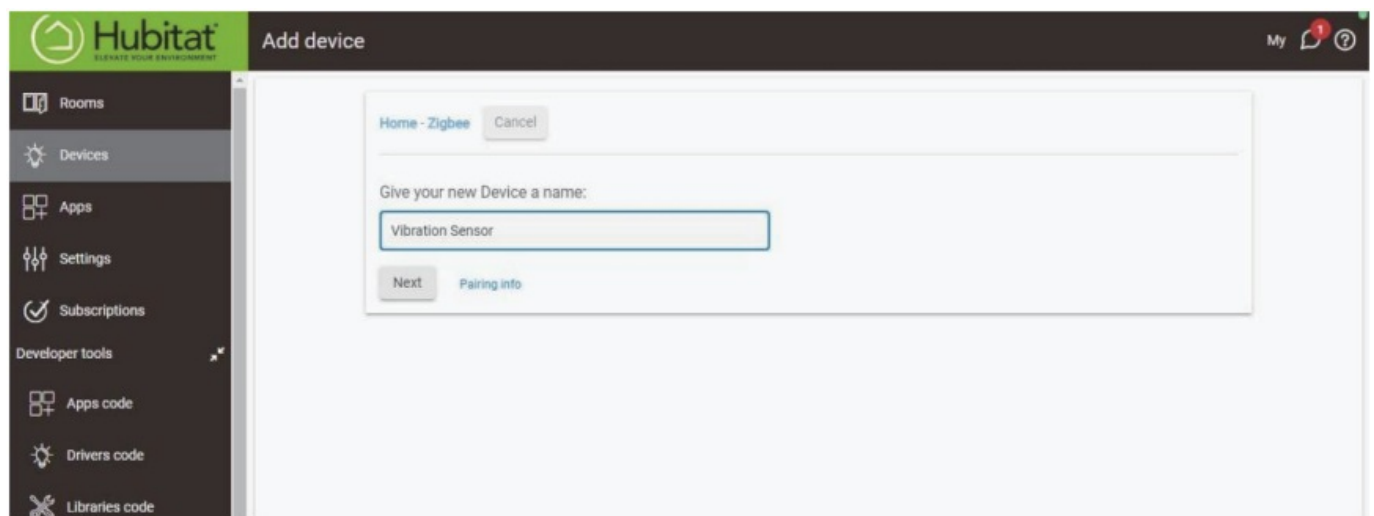
1. Tab “Add Device” in Hubitat Devices page.

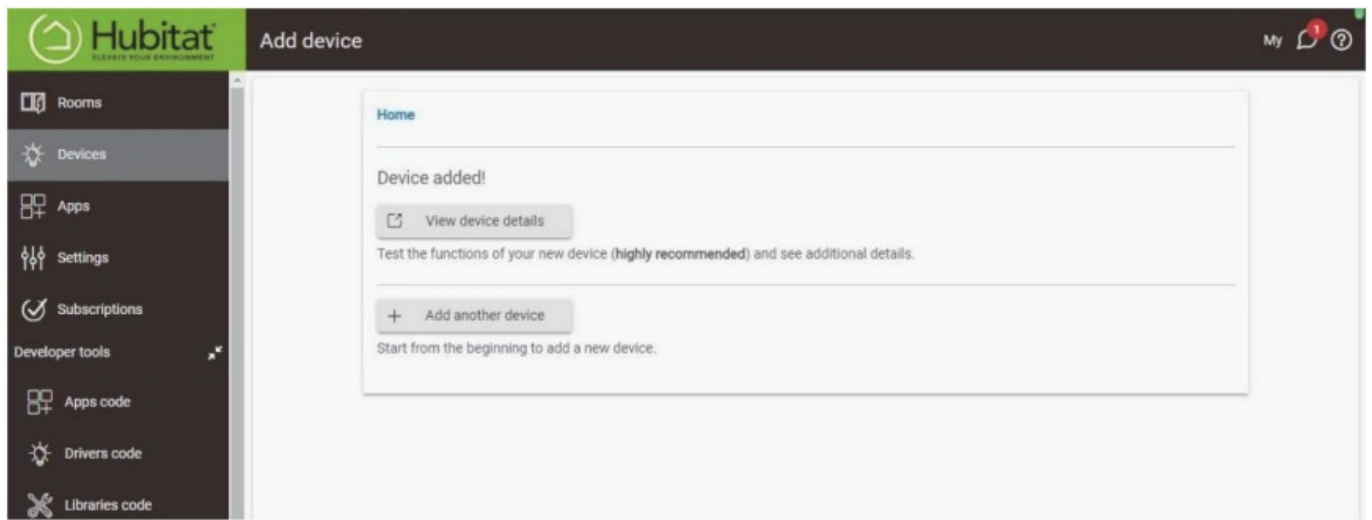
Hubitat ELEVATE YOUR ENVIRONMENT					
Devices					
<div> <div>Rooms</div> <div>Devices</div> <div>Apps</div> <div>Settings</div> <div>Subscriptions</div> <div>Developer tools</div> <div>Apps code</div> <div>Drivers code</div> <div>Libraries code</div> </div>					
Compatible list					
Label (Name)	Room	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 Zigbee RGBW Bulb)	706	Advanced Zigbee RGBW Bulb	System	6-06 3:35pm	

2. Choose “Zigbee”, then “Start Zigbee Pairing”.

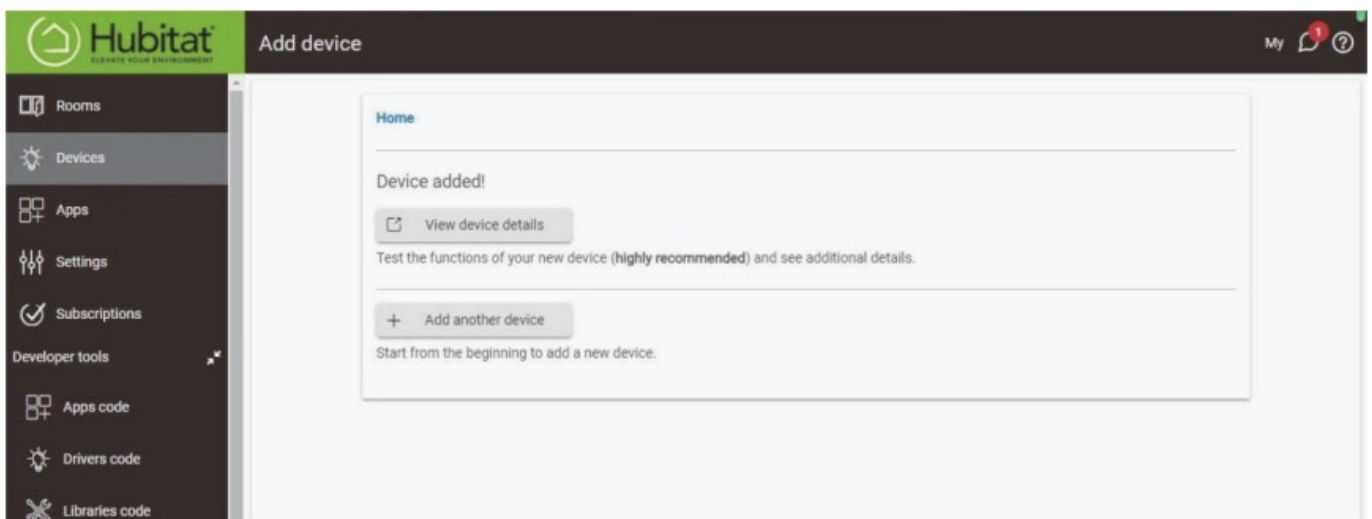
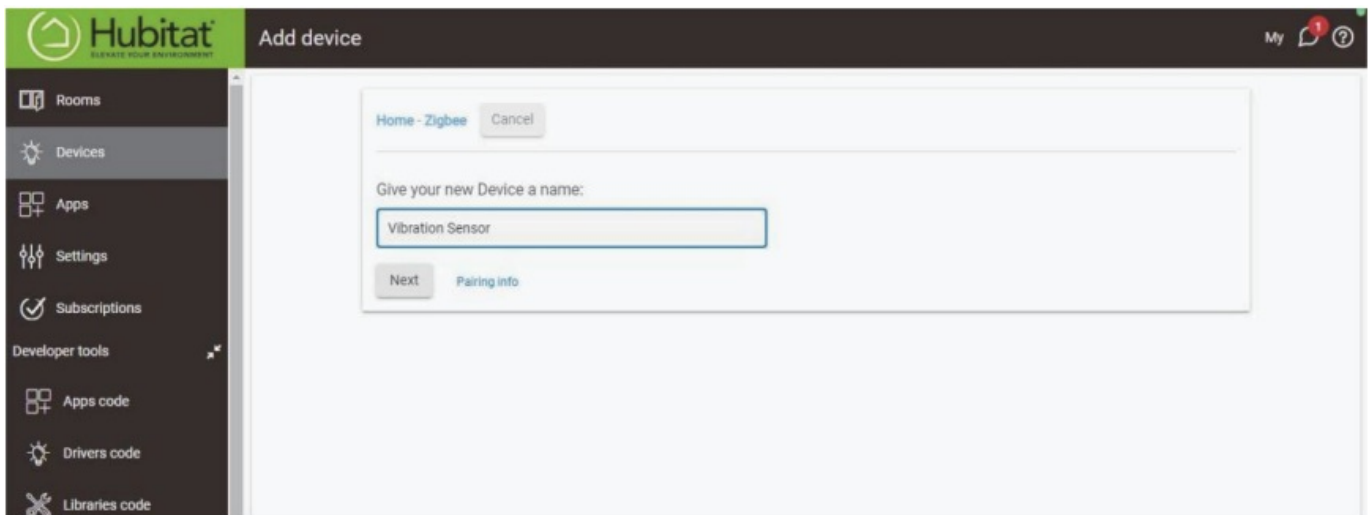


3. Create a device name for the vibration sensor, then click “Next” to add device.





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

Map

Logbook

History

File editor

Media

Terminal

Zigbee2MQTT

Zigbee2MQTT Edge

Developer Tools

Settings

Notifications

qa

Integrations

Devices

Entities

Helpers

Search integrations

Discovered

ibeacon
ibeacon Tracker

CONFIGURE

Discovered

UPnP 华为路由AX3 Pro
UPnP/IGD

CONFIGURE

Bluetooth
1 device

Google Cast
7 devices

Home Assistant Supervisor
10 services

MQTT
4 devices

Radio Browser
1 entry

Raspberry Pi Power Supply Checker
1 entity

Sun
1 service

Thread
1 entry

Debug logging enabled
Zigbee Home Automation
1 device

+ ADD INTEGRATION

17

Home Assistant

Map

Logbook

History

File editor

Media

Terminal

Zigbee2MQTT

Zigbee2MQTT Edge

Developer Tools

Settings

Notifications

qa

Zigbee Coordinator

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

Automations

No automations have been added using this device yet. You can add one by clicking the + button above.

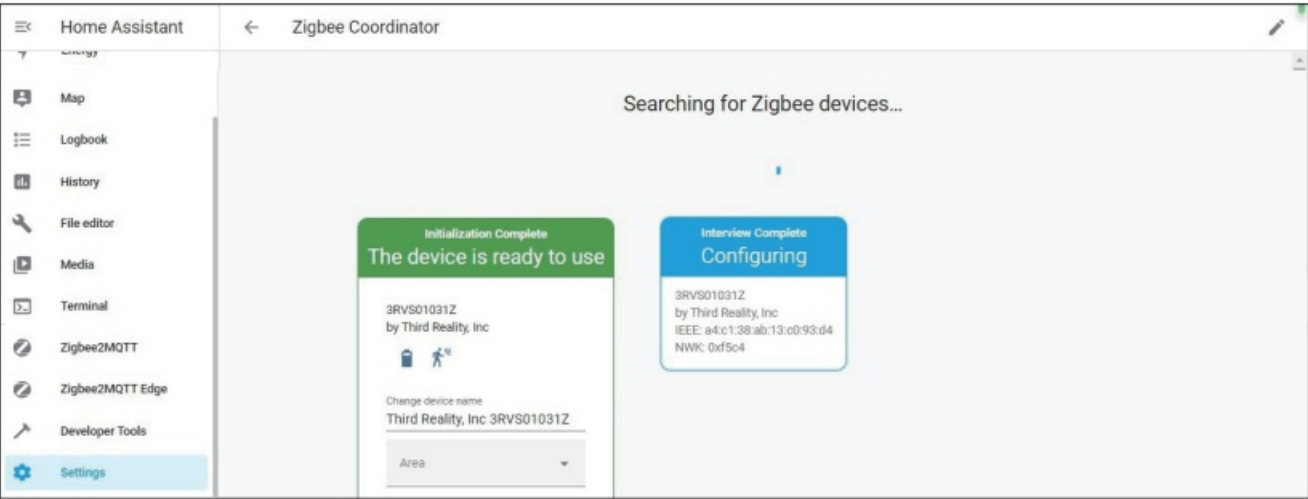
Scripts

Controls

This device has no entities

Logbook

No logbook events found.



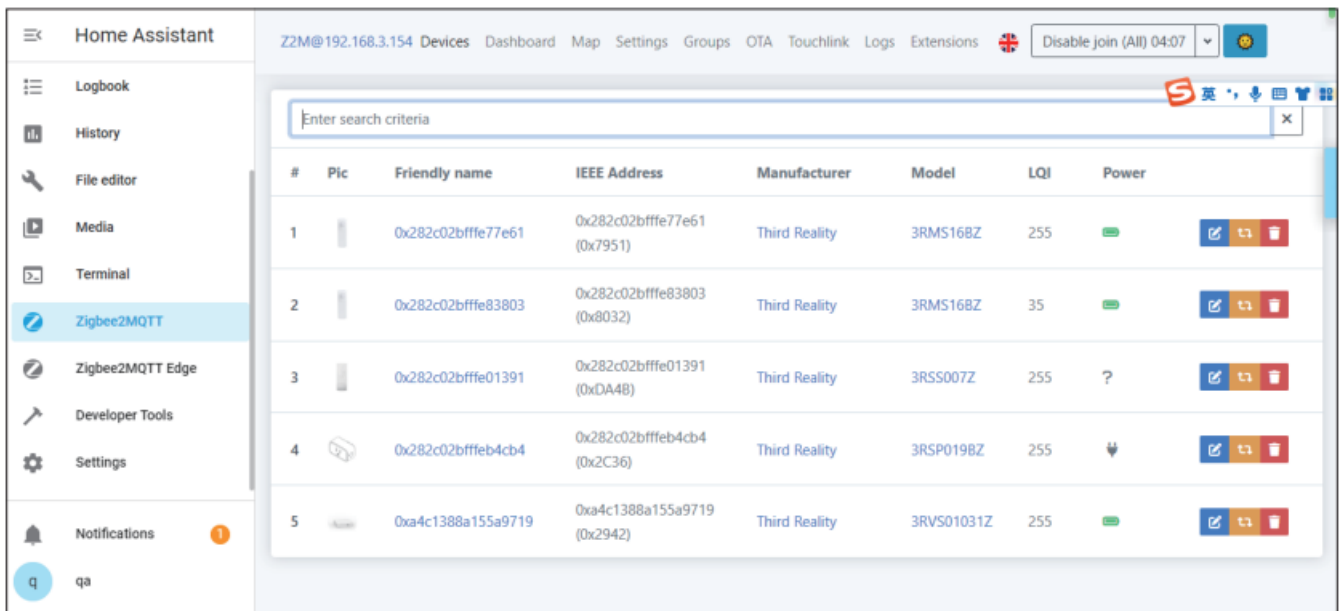
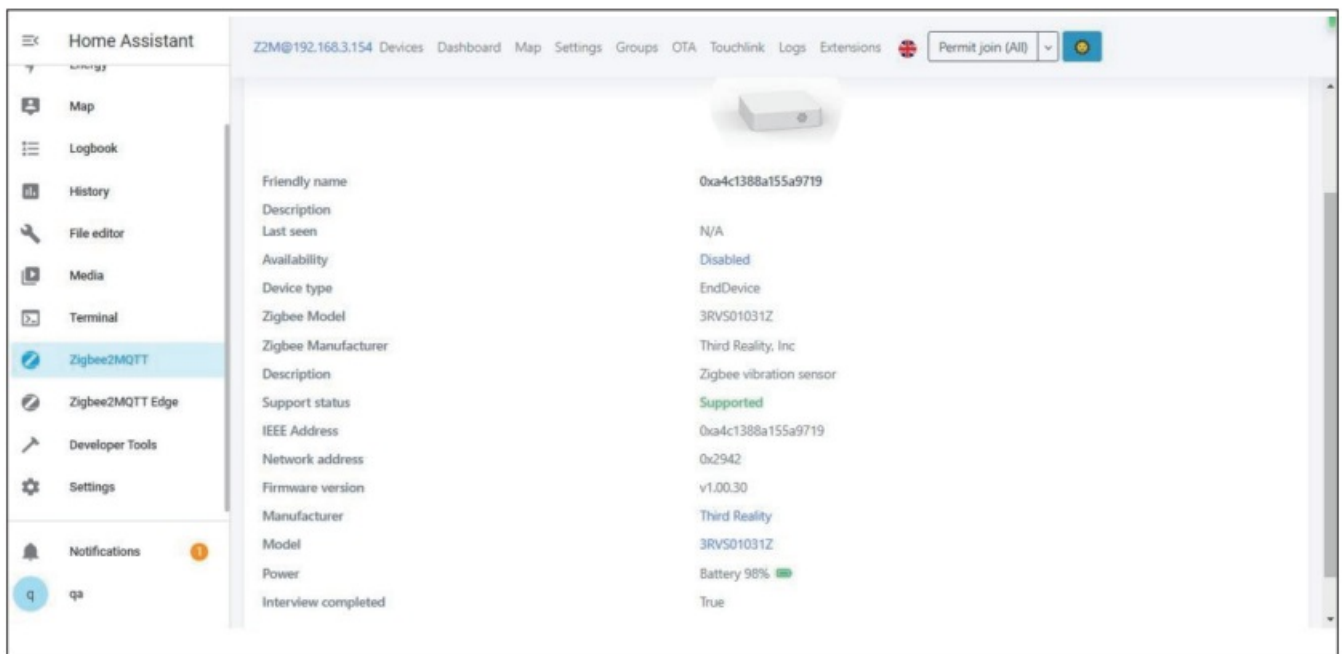
The screenshot shows the Home Assistant interface with the Zigbee Coordinator page. The left sidebar contains navigation options: Home Assistant, Map, Logbook, History, File editor, Media, Terminal, Zigbee2MQTT, Zigbee2MQTT Edge, Developer Tools, and Settings. The main area displays a list of discovered devices. A search bar and a filter button "Filtering by integration 'Zigbee Home Automation' CLEAR" are at the top. The table below lists the devices with columns for Device, Manufacturer, Model, Area, Integration, and Battery.

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

The screenshot shows the Home Assistant interface with the Zigbee2MQTT page. The left sidebar contains navigation options: Home Assistant, Map, Logbook, History, File editor, Media, Terminal, Zigbee2MQTT, Zigbee2MQTT Edge, Developer Tools, and Settings. The main area displays the details for a device with the ID Z2M@192.168.3.154. The top bar shows the device ID and navigation options: About, Exposes, Bind, Reporting, Settings, Settings (specific), State, Clusters, Scene, and Dev console. The "Exposes" tab is selected, showing a list of device attributes and their values.

Attribute	Value
vibration	False
battery_low	False
battery	98 %
voltage	3200 mV
x_axis	N/A
y_axis	N/A
z_axis	N/A
linkquality	255 lqi



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

Documents / Resources

Vibration Sensor

Quick Start Guide



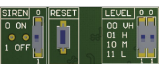
THIRD REALITY

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 various alarm, burglar, fire, flood, motion, smoke, and third reality app etc. through ZigBee protocols. It can be used to monitor the status of window break and working machines (press monitoring).

Specification

Operating Temp.	-20 to 200 F (-10 to 100 C) Indoor Use Only
Power Supply	2 x AA Batteries
Dimensions	2.35" x 2.35" x 0.54"
Frequency	1.5 to 100 Hz (When in 0.25Hz)
Protocol	ZigBee 3.0



Siren Setting: 0 ON, 1 OFF

Sensitivity Setting: 00 Very High, 01 High, 10 Medium, 11 Low

Setup

- Remove the plastic module to power the Vibration Sensor.
- When the sensor is powered up for the first time, it enters pairing mode automatically, and red pairing mode light and red LED indicator will be on. To exit pairing mode, press the reset button for 5 seconds.
- Follow the instructions of ZigBee hubs to pair the sensor.
- Turn on the pairing mode with the red pairing mode light, and set the sensitivity level with the sensitivity buttons.

Installation


Simply place the Vibration Sensor on top of the object to be most likely to be disturbed (e.g., a window or a machine).

Pairing with Different Hubs

Before pairing, set the Vibration Sensor into pairing mode by pressing the reset button for 5 seconds and the LED indicator turns the red blue flashing.


Pairing with Third Reality

Hub: Third Reality Hub (Gen 2) Gen2 Plus
App: Third Reality



Pairing steps:

- Tap "+" in Third Reality App. Follow the on-screen instructions to add devices. It will be added with no issues.
- Click pairing to connect the connected device.





Pairing With Amazon Echo

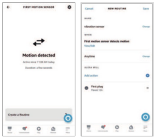
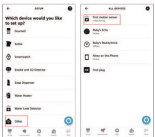
App: Amazon Alexa



Pairing with Echo devices with built-in Zigbee hubs such as Echo 1st, Echo Plus 1st & 2nd, Echo Studio, Echo Show 10, and Echo Show 5.

Pairing steps:

1. Tap "In" to show the "Add Device" screen. Tap "Add Device" to add devices. The vibration sensor will be added as a "vibration sensor".
2. Create a scene to control other connected devices.



Pairing With Hubitat

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



Pairing steps:

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



Pairing With Home Assistant



Pairing steps:

Zigbee Home Automation



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Zigbee Vibration Sensor, Vibration Sensor, Sensor



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 unintended 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.

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 uncontrolled environments. This transmitter must not be located or operating in close proximity with any other antenna or transmitter.

Limited Warranty

For limited warranty, please visit www.thirdlly.com/device-support. For customer support, please contact us at help@thirdlly.com or visit www.thirdlly.com. For help and troubleshooting related to Amazon Alexa, visit the Alexa app.

References

-  [Quick Start Guide](#)
-  [Smart Hardware | IOT platform | Third Reality, inc | China](#)
-  [User Manual](#)