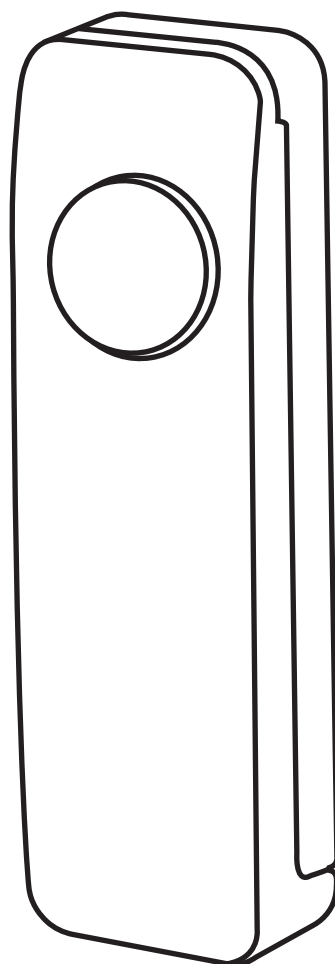


Wireless Motion Sensor

User Manual

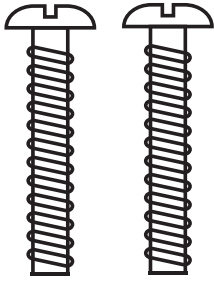


THIRD REALITY

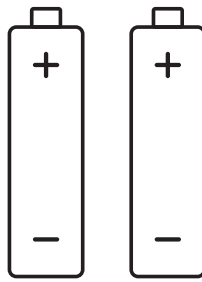
Contents

Mounting Kit	01
Factory Reset	02
Mounting your Wireless Motion Sensor	02
Setup with Smart Bridge MZ1	03
Setup with Third Reality Hub and SKILL	06
Setup with Compatible Third-Party Zigbee Hubs	08
Pairing with SmartThings	09
Pairing with Amazon Alexa	12
Pairing with Hubitat	15
Pairing with Home Assistant	18
Troubleshooting	23
FCC Regulatory Conformance	25

Mounting Kit



Screw x 2

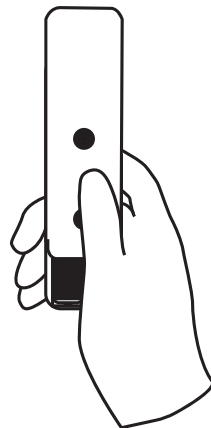
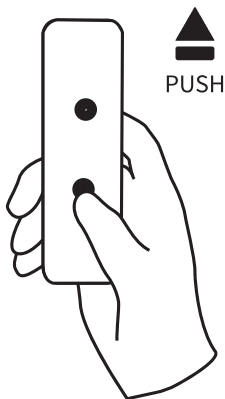


Battery x 2

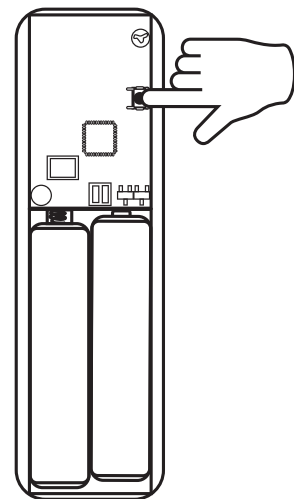


Double-sided
Tape

①



②



Factory Reset

Long press the reset button (Fig. 3) for 3 seconds to factory reset the sensor and put it into pairing mode.

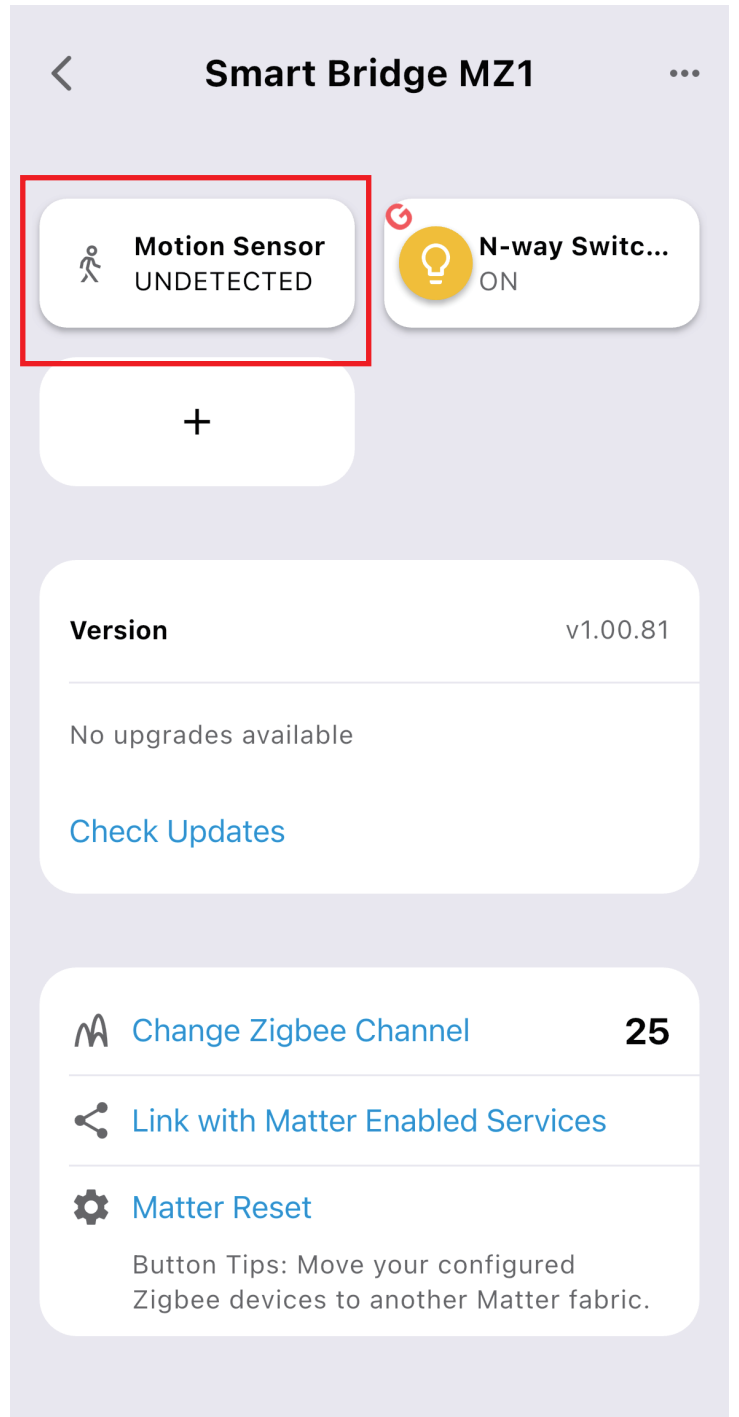
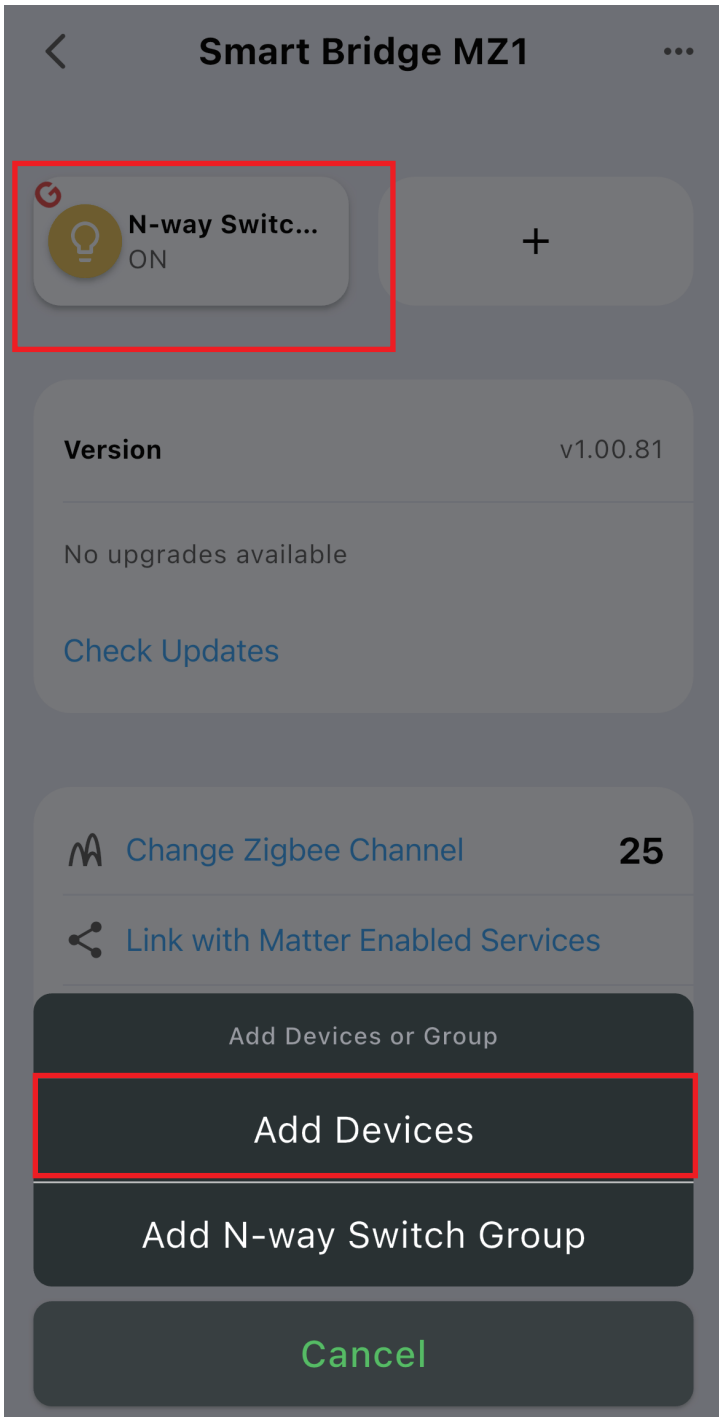
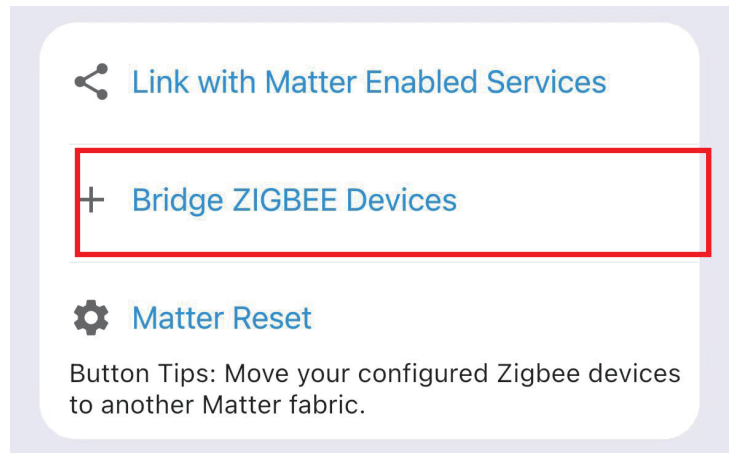
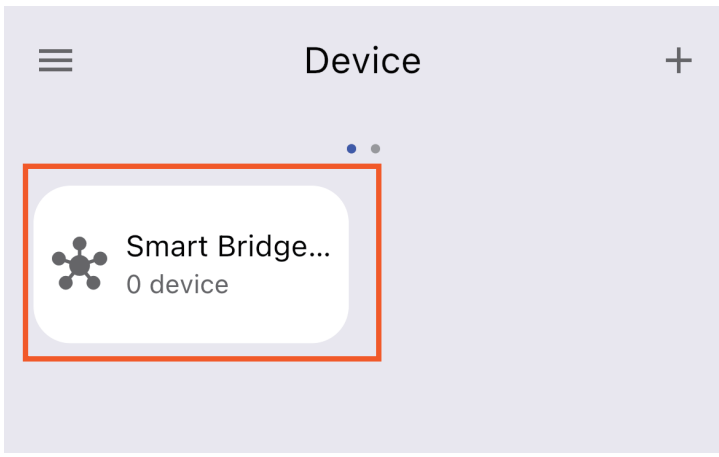
Mounting your Wireless Motion Sensor

1. Indoor use only.
2. Make sure the installation surface is clean and dry before installation.
3. Attach the sensor in desired area.

Setup with Smart Bridge MZ1

The Smart Bridge (sold separately) enables your Zigbee device to become Matter-compatible, allowing seamless integration with major Matter ecosystems like Apple Home, Google Home, Amazon Alexa, Samsung SmartThings, and Home Assistant. By setting up your Zigbee sensor with the Smart Bridge, it transforms into a Matter compatible motion sensor, enabling local control through Matter. Third Reality also offers the 3R-Installer App, which lets you configure Zigbee sensor attributes such as default-on behavior and perform firmware updates.

1. Ensure your bridge is already set up within your smart home system.
2. Push the back cover to open the sensor, install the batteries and close the back cover.(Fig. 1) Long press the reset button (Fig. 2) for 3 seconds to factory reset the sensor and put it into pairing mode again.
3. Press the pinhole button on the bridge to activate Zigbee pairing mode. The Zigbee blue LED should start blinking.
4. The sensor will pair with the bridge, and a new device will appear in your smart home app, such as Google Home or Alexa.
5. Optionally, you can install the 3R-Installer App and set the cooldown time by smart bridge. Then, use the multi-admin feature in your smart home app to share permissions with the 3R-Installer App.



Motion Sensor

UNDETECTED

Battery 95%

Cooldown Time 0 s

Version v1.00.51

There is a new version available to update

Change Zigbee Channel 25

Link with Matter Enabled Services


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 54 seconds

1324-192-6558

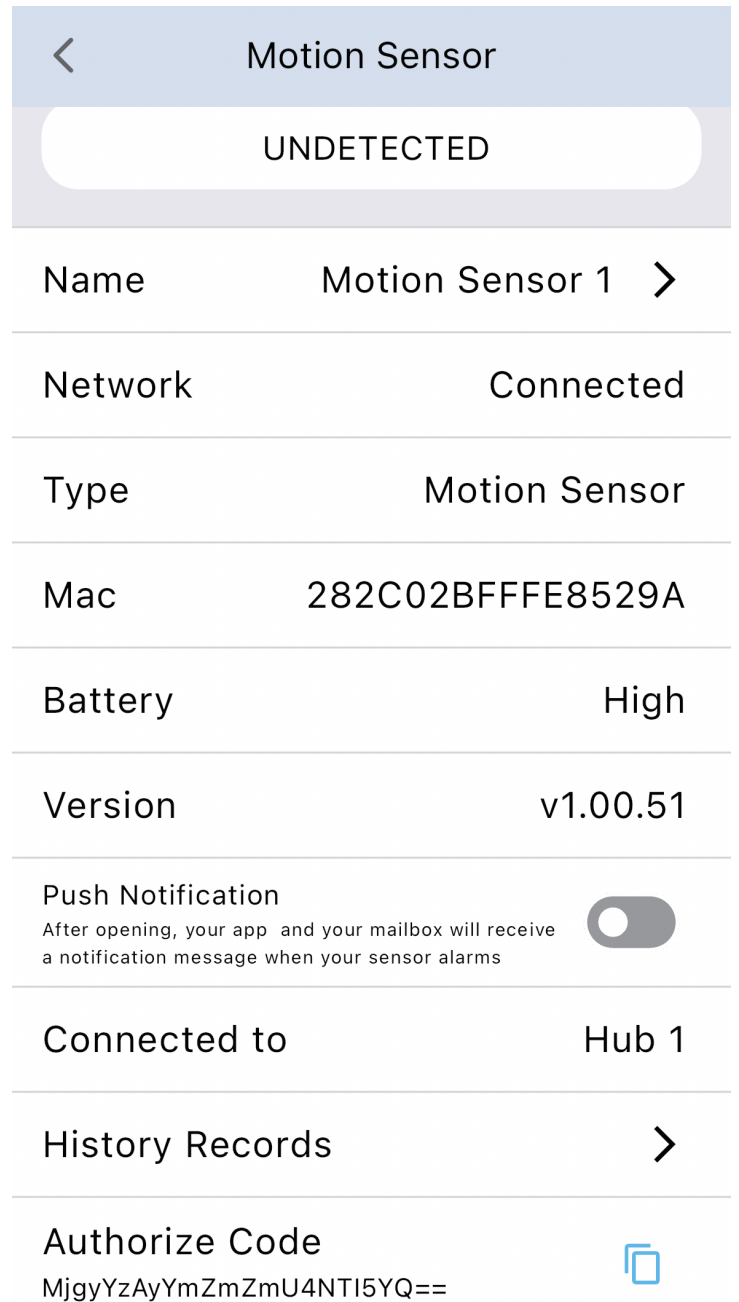
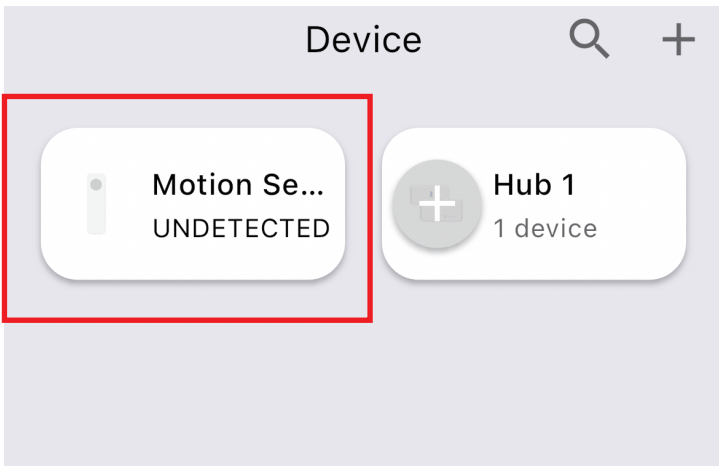
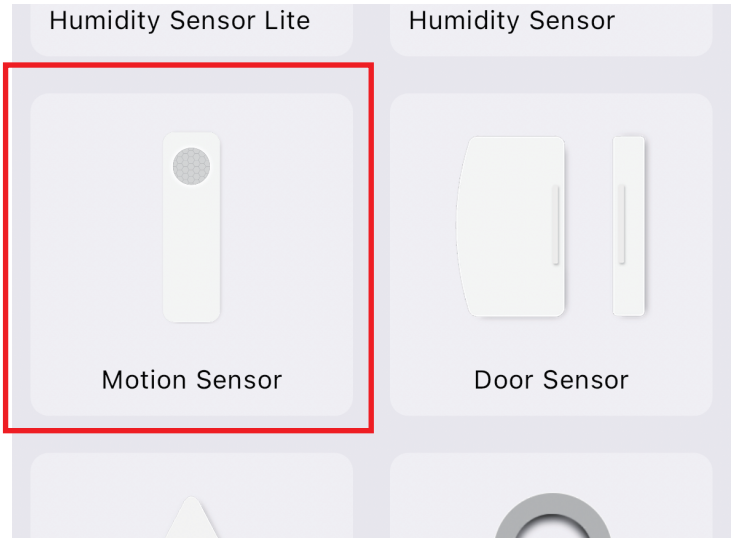
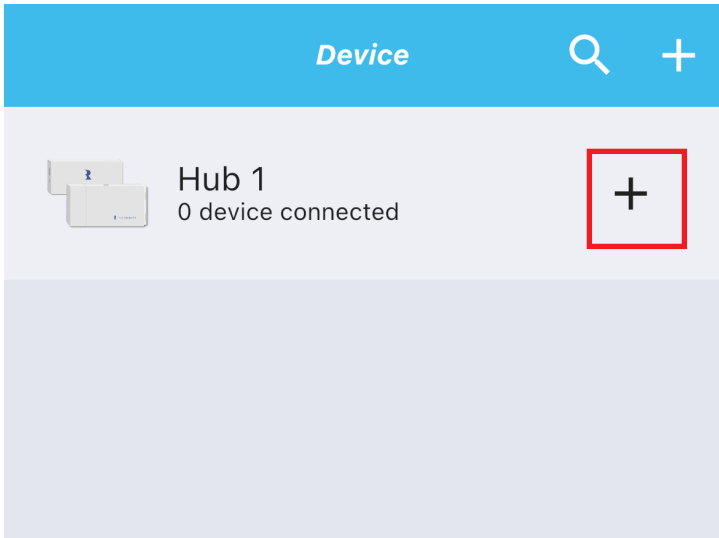


Done

Setup with Third Reality Hub and SKILL

The Third Reality Hub (sold separately) allows you to control your device remotely via the Third Reality App, making it a great option for smart home beginners or those without a system from major providers. Additionally, the Third Reality Cloud supports SKILL integration with Google Home or Amazon Alexa, enabling you to connect your device to these platforms. However, due to the potential for slow and unreliable Cloud-to-Cloud connections, we recommend using the Bridge solution if Google Home or Alexa is your primary smart home platform.

1. Ensure your hub is properly set up with Third Reality App.
2. Push the back cover to open the sensor, install the batteries and close the back cover.(Fig. 1) Long press the reset button (Fig. 2) for 3 seconds to factory reset the sensor and put it into pairing mode again.
3. Open the Third Reality App, press the “+” icon next to the hub, and select “Quick Pair.”
4. The sensor will pair with your hub and appear in the Third Reality APP.
5. Optionally, you can enable the Third Reality SKILL in either the Alexa or Google Home app to enable Cloud-to-Cloud communication.



Setup with Compatible Third-Party Zigbee Hubs

Third Reality supports integration with various open Zigbee platforms, including Amazon Echo with built-in Zigbee, Samsung SmartThings, Home Assistant (with ZHA or Z2M), Homey and Hubitat. If you own any of these devices, you can pair the motion sensor directly without the need for an additional bridge or hub.

1. Ensure your Zigbee Hub is already set up within your smart home system.
2. Push the back cover to open the sensor, install the batteries and close the back cover.(Fig. 1) Long press the reset button (Fig. 2) for 3 seconds to factory reset the sensor and put it into pairing mode again.
3. Open your smart home app and follow the on-screen instructions to begin the Zigbee pairing process.
4. The motion sensor will flash and then turn red, indicating it has successfully paired with the Zigbee hub.
5. You can now use your smart home app to create routine with it.

Pairing with SmartThings

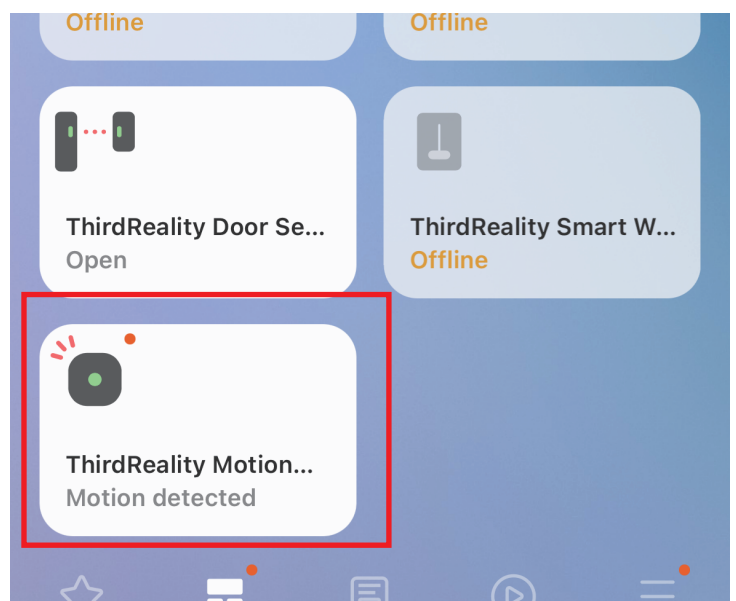
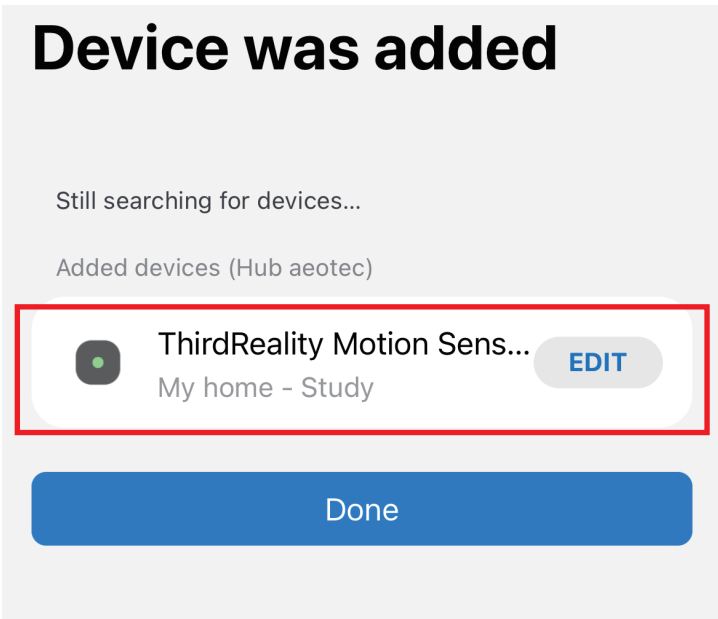
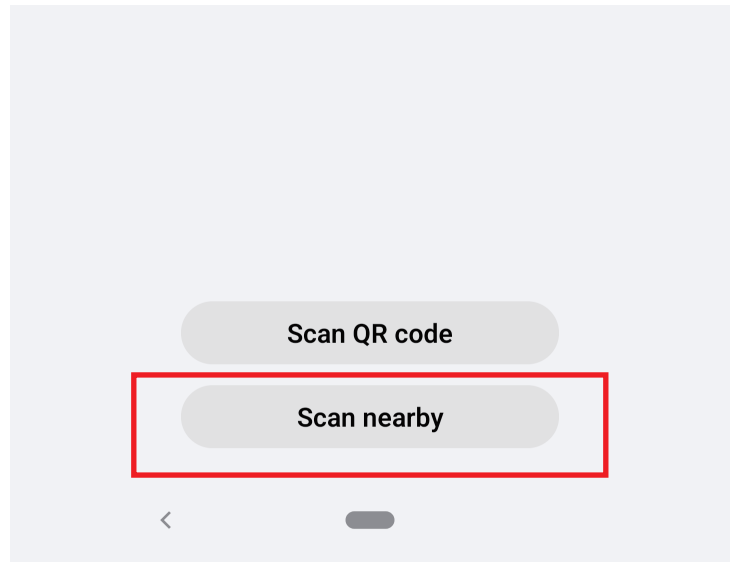
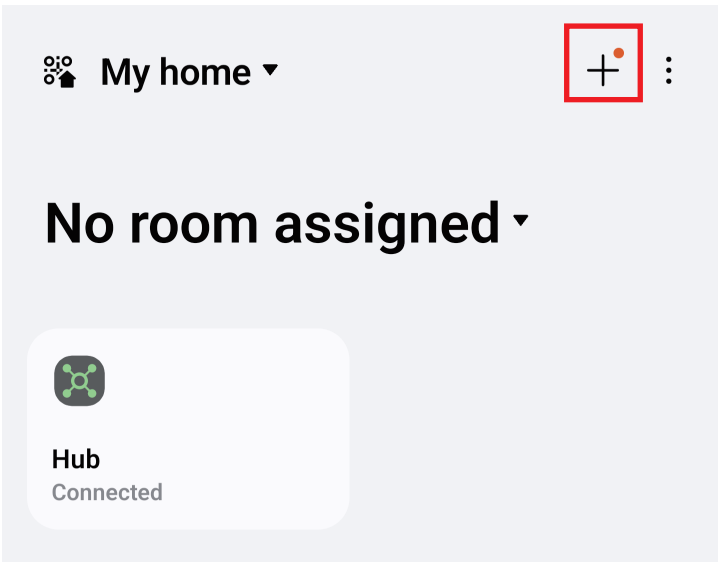
App: SmartThings App

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

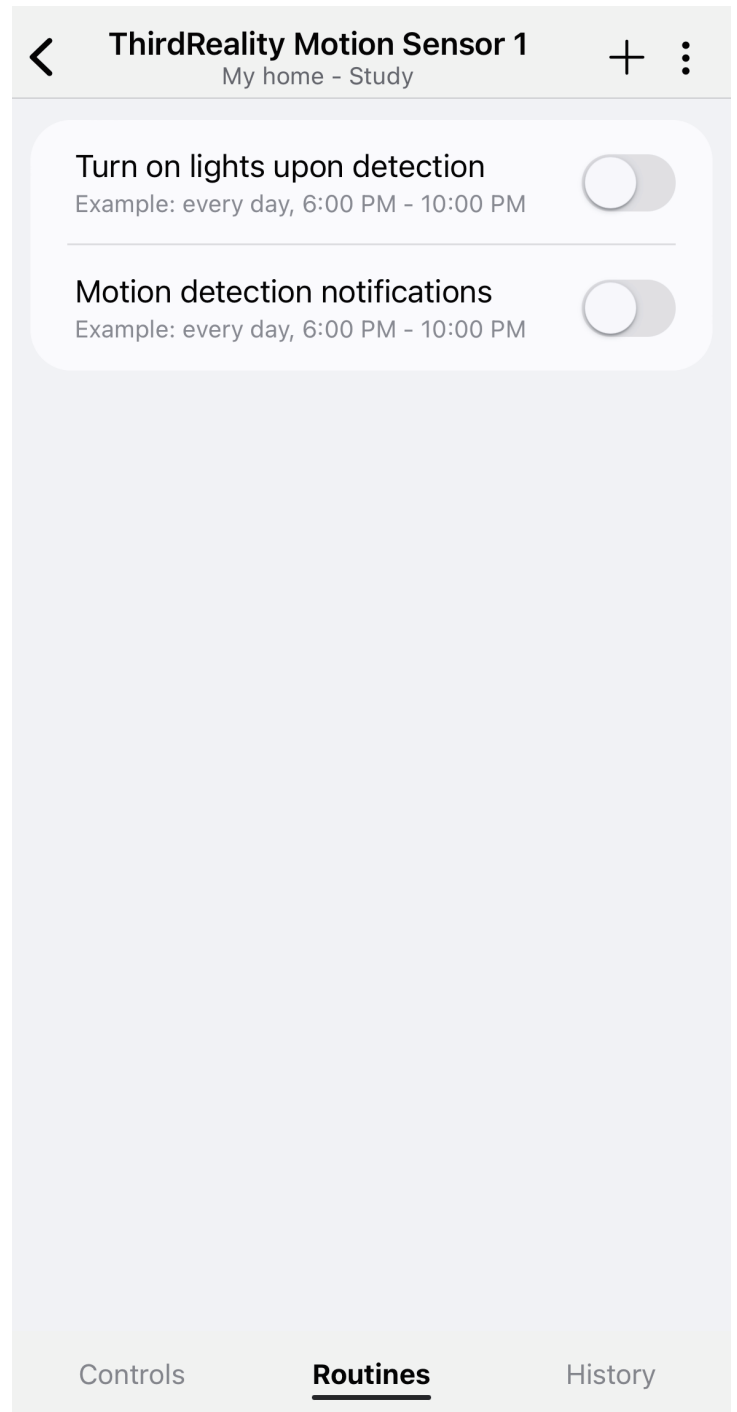
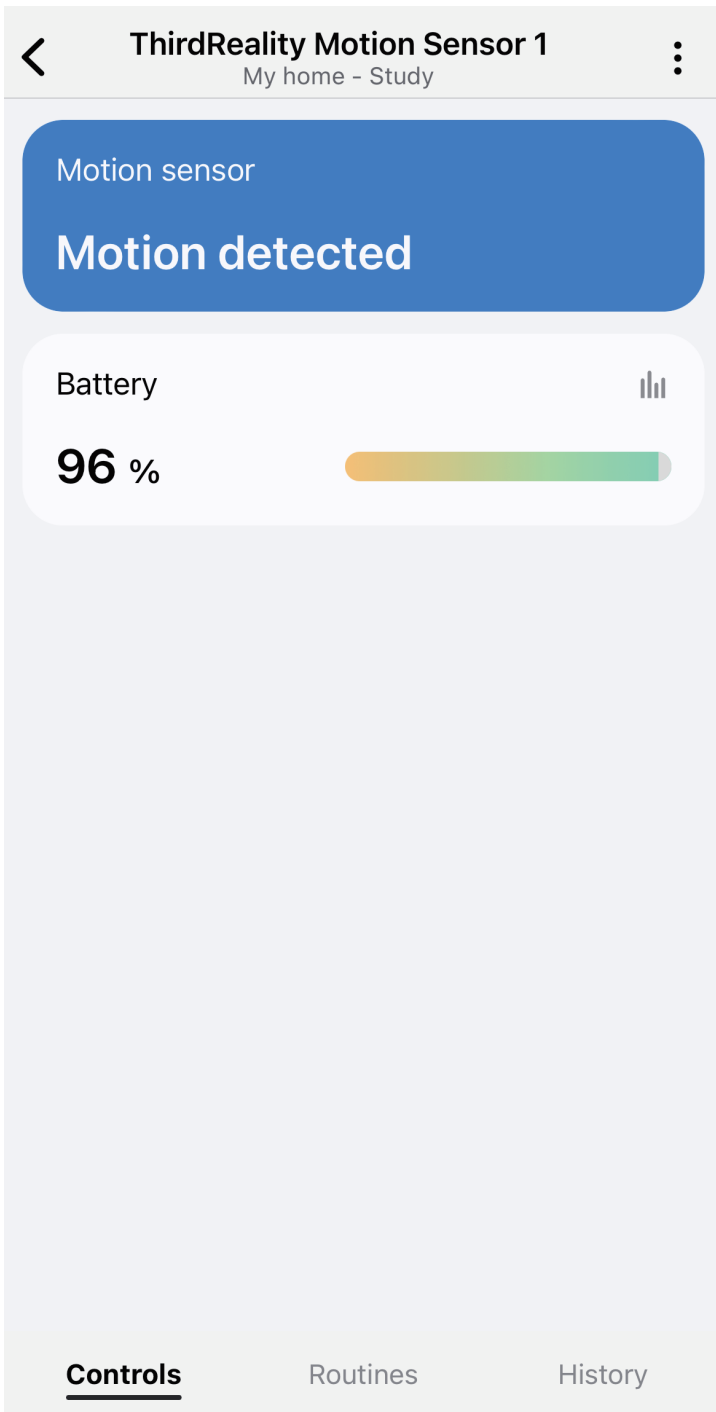


Pairing steps:

1. Before pairing, check for updates to make sure the SmartThings Hub firmware is up to date.
3. Push the back cover to open the sensor, install the batteries and close the back cover.(Fig. 1) Long press the reset button (Fig. 2) for 3 seconds to factory reset the sensor and put it into pairing mode again.
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 Amazon Alexa

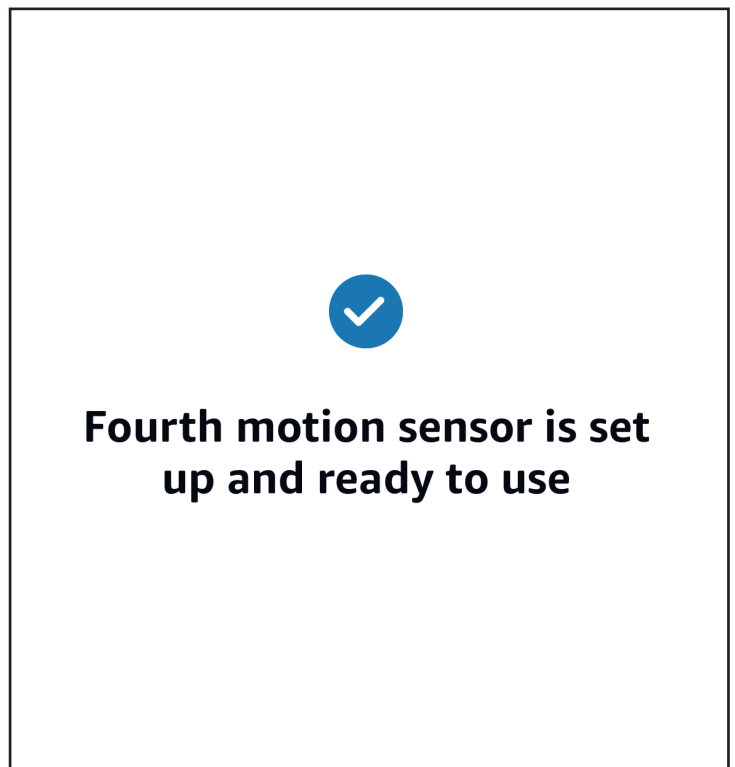
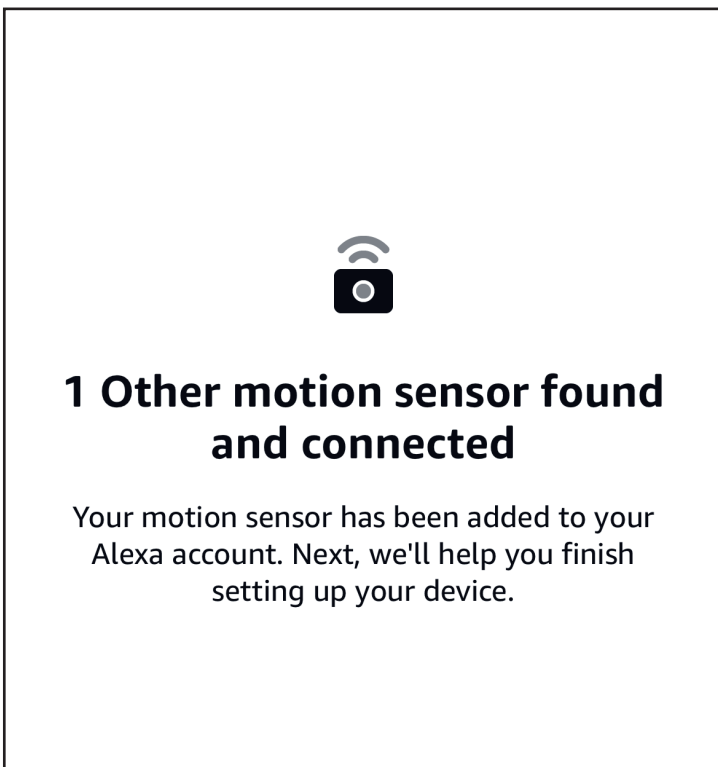
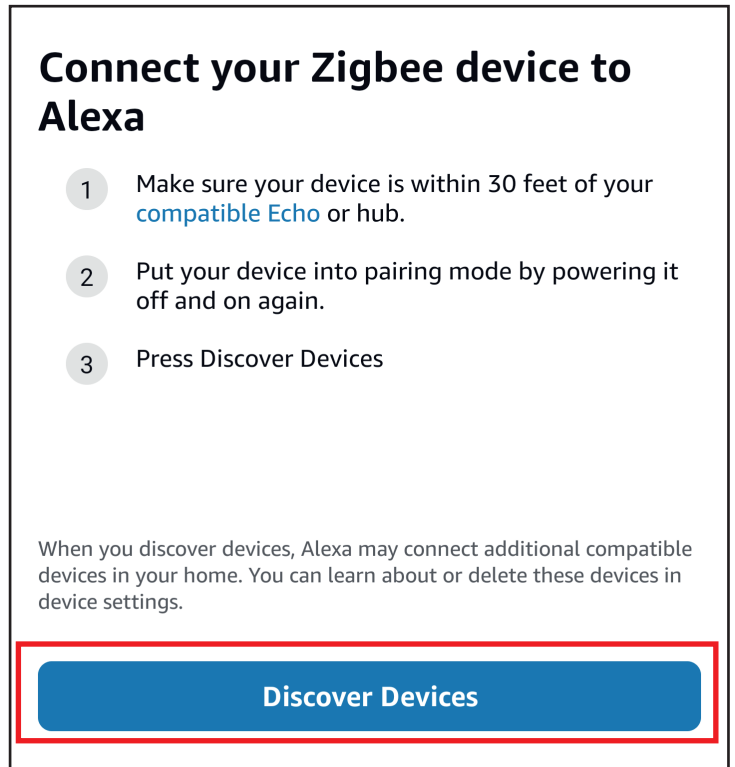
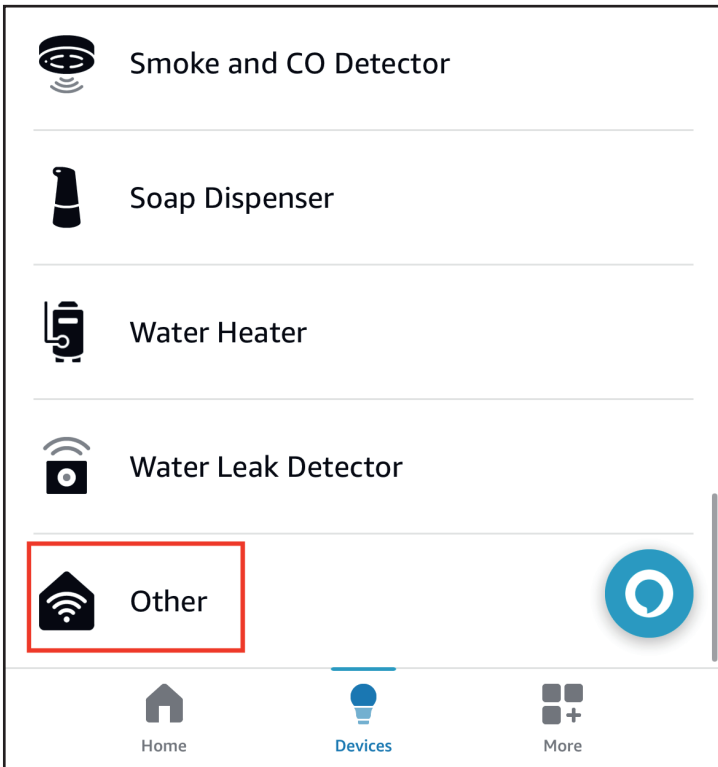
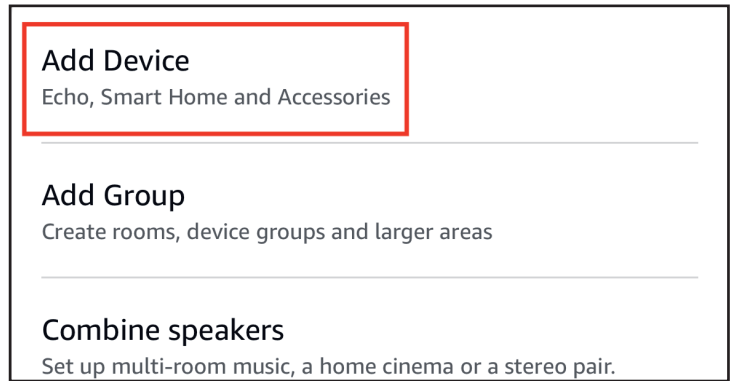
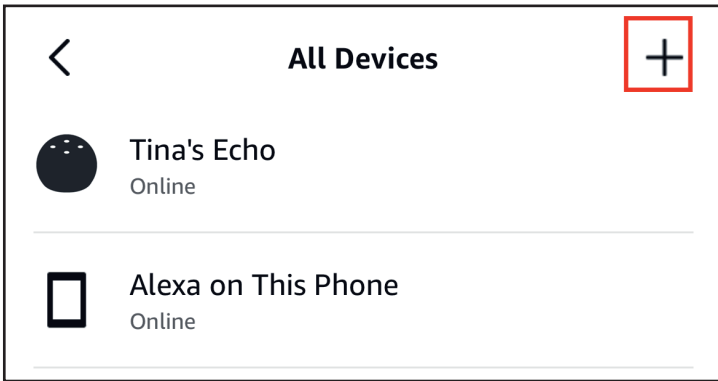
App: Amazon Alexa

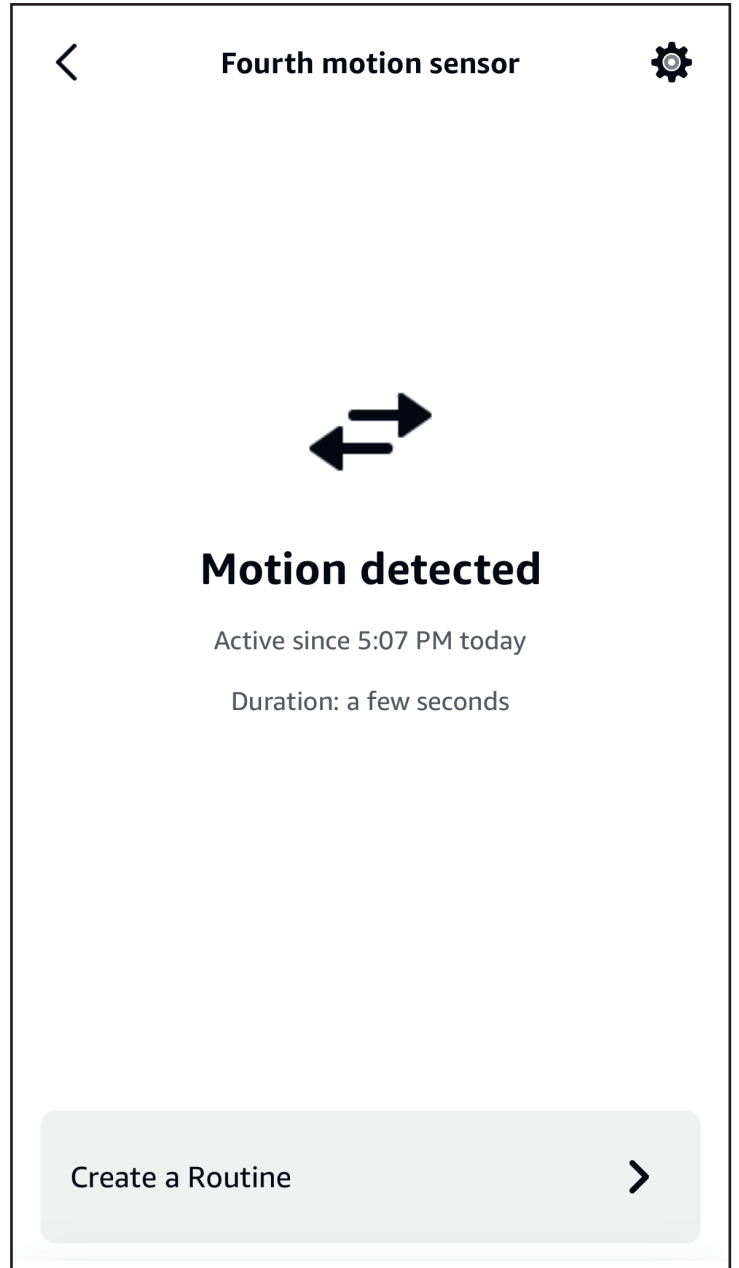
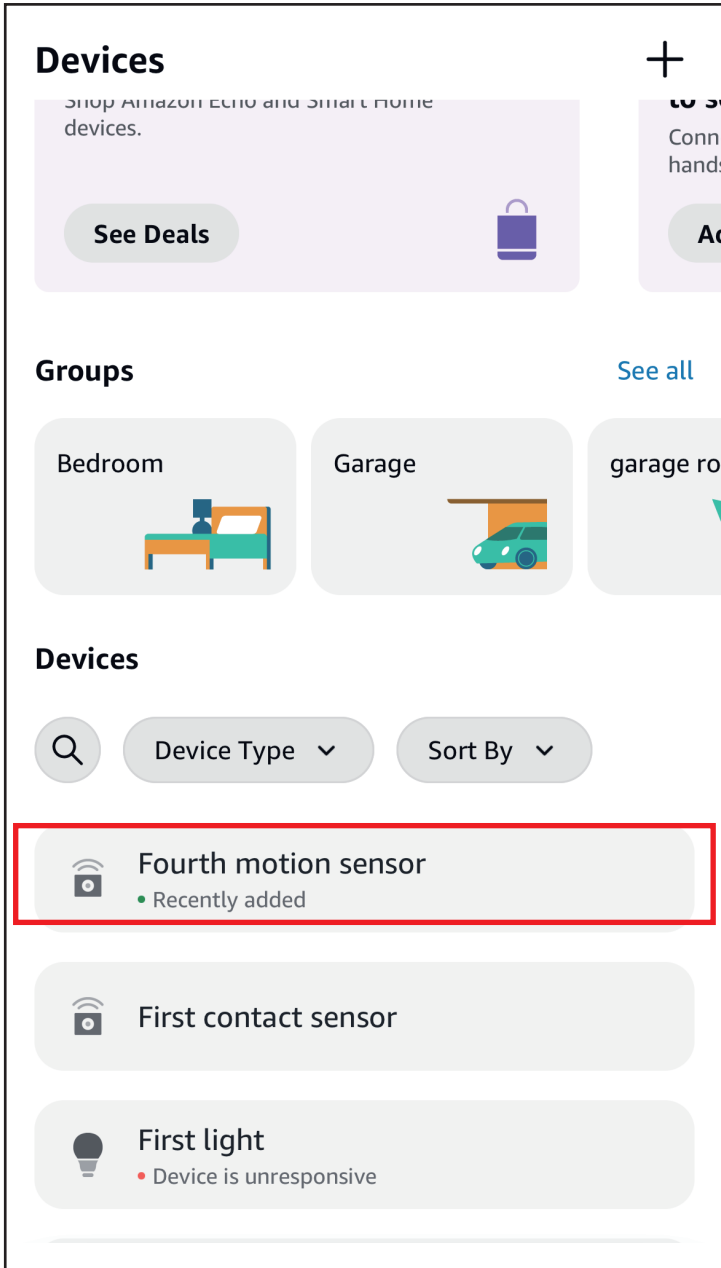
Devices: Echo speakers with built-in Zigbee hub, Echo 4th Gen, Echo Plus 1st & 2nd Gen, Echo Studio



Pairing steps:

1. Ask Alexa to check for updates before pairing.
2. Push the back cover to open the sensor, install the batteries and close the back cover.(Fig. 1) Long press the reset button (Fig. 2) for 3 seconds to factory reset the sensor and put it into pairing mode again.
3. Tap "+" in the Alexa App, choose "Other" and "Zigbee" to add device, the sensor will be added.
4. You can create routines with the device.





Pairing with Hubitat

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



Pairing steps:

1. Push the back cover to open the sensor, install the batteries and close the back cover.(Fig. 1) Long press the reset button (Fig. 2) for 3 seconds to factory reset the sensor and put it into pairing mode again.
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. Tap Apps, and Create New Basic Rules.

Hubitat **Devices** hubitat-c7

Compatible device list

Disable	Label (Name)	Type	Room	Source	DNI	Status	Last Activity	
<input type="checkbox"/>	1 (Advanced Zigbee CT Bulb)	Advanced Zigbee CT Bulb		System	2EA3 B40ECFD298B00000		8/27/2024 10:42:35	
<input checked="" type="checkbox"/>	444 (Device)	Device	huan	System	1315 282C02BFFF909D1			
<input type="checkbox"/>	729ms (Generic Zigbee Motion Sensor (no temp))	Generic Zigbee Motion Sensor (no temp)		System	8439 282C02BFFF909D1		7/29/2024 15:44:55	60
<input type="checkbox"/>	Advanced Zigbee CT Bulb	Advanced Zigbee CT Bulb		System	1AED B40ECFD32AAC0000		8/27/2024 10:42:28	
<input type="checkbox"/>	del (Third Reality Smart Button)	Third Reality Smart Button		System	5A05 282C02BFFF909D1		8/06/2024 13:42:54	100
<input type="checkbox"/>	Plant Watering System	Generic Zigbee Switch		System	4F31 282C02BFFF909D1		8/27/2024 10:13:02	
<input type="checkbox"/>	Smart Soil Moisture Sensor (Device)	Generic Zigbee Temperature/Humidity Sensor		System	952B A4C138EEDB829E73			

Documentation Community Videos FAQ Terms of Service Copyright 2018-2024 Hubitat, Inc

Hubitat **Add device** hubitat-c7

Find by device type
Bulbs, dimmers, locks, outlets, switches...

Find by brand
Aeotec, Bosch, Centralite, Dome, Ecolink...

Add device manually:

Zigbee Z-Wave Matter Iris V1 Zigbee

Virtual

Documentation Community Videos FAQ Terms of Service Copyright 2018-2024 Hubitat, Inc

Hubitat ELEVATE YOUR ENVIRONMENT Add device HT-QA

Rooms
Devices
Dashboards
Apps
Settings
Subscriptions
Developer tools
Apps code
Drivers code
Libraries code
Bundles
Logs

[Home](#)

Generic Zigbee Motion Sensor (no temp) added!

[View device details](#)

View the functions of your new device (highly recommended) and see additional details.

[+ Add another device](#)

Start from the beginning to add a new device.

Documentation Community Videos FAQ Terms of Service Copyright 2018-2024 Hubitat, Inc.

Hubitat ELEVATE YOUR ENVIRONMENT Wireless Motion Sensor HT-QA

Rooms
Devices
Dashboards
Apps
Settings
Subscriptions
Developer tools
Apps code
Drivers code
Libraries code
Bundles
Logs

Enable debug logging

Enable descriptionText logging

Status attribute for Devices/Rooms: None

[Save Preferences](#)

Device Information

Device Name * Generic Zigbee Motion Sensor (no temp)	Device Network Id * 1D12 edit
Device Label Wireless Motion Sensor	Type * Generic Zigbee Motion Sensor (no temp)
Zigbee Id 282C02BFFFE8529A	Room No room assigned

Event history size, per event type (1-2000): 11 Hub Mesh enabled

State history size, per attribute (1-2000): 30 HomeKit enabled

Too many events alert threshold, per hour (100-2000): 300

[Save Device](#)

Advanced

Device Details

Create Time	2024-11-11 09:31:14 AM CST
-------------	----------------------------

Documentation Community Videos FAQ Terms of Service Copyright 2018-2024 Hubitat, Inc.

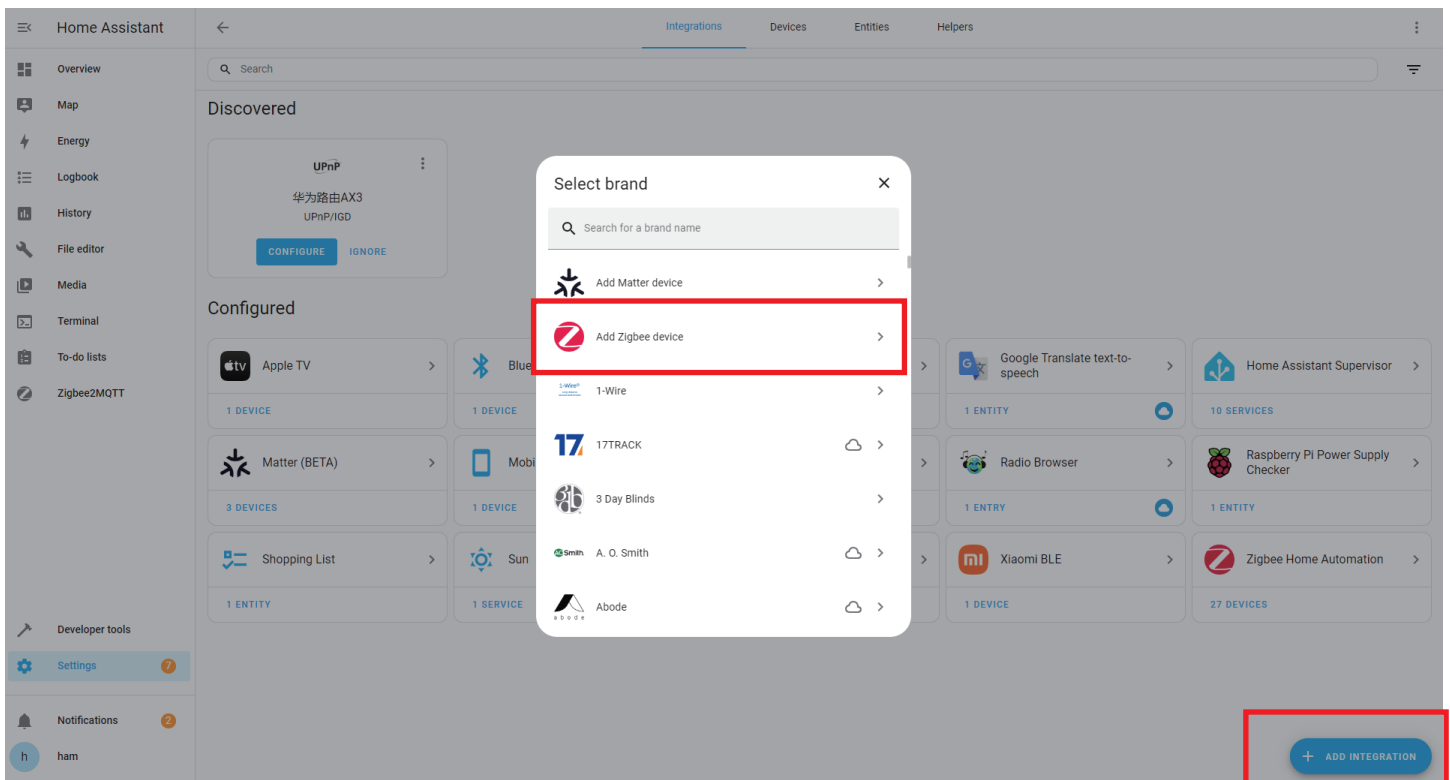
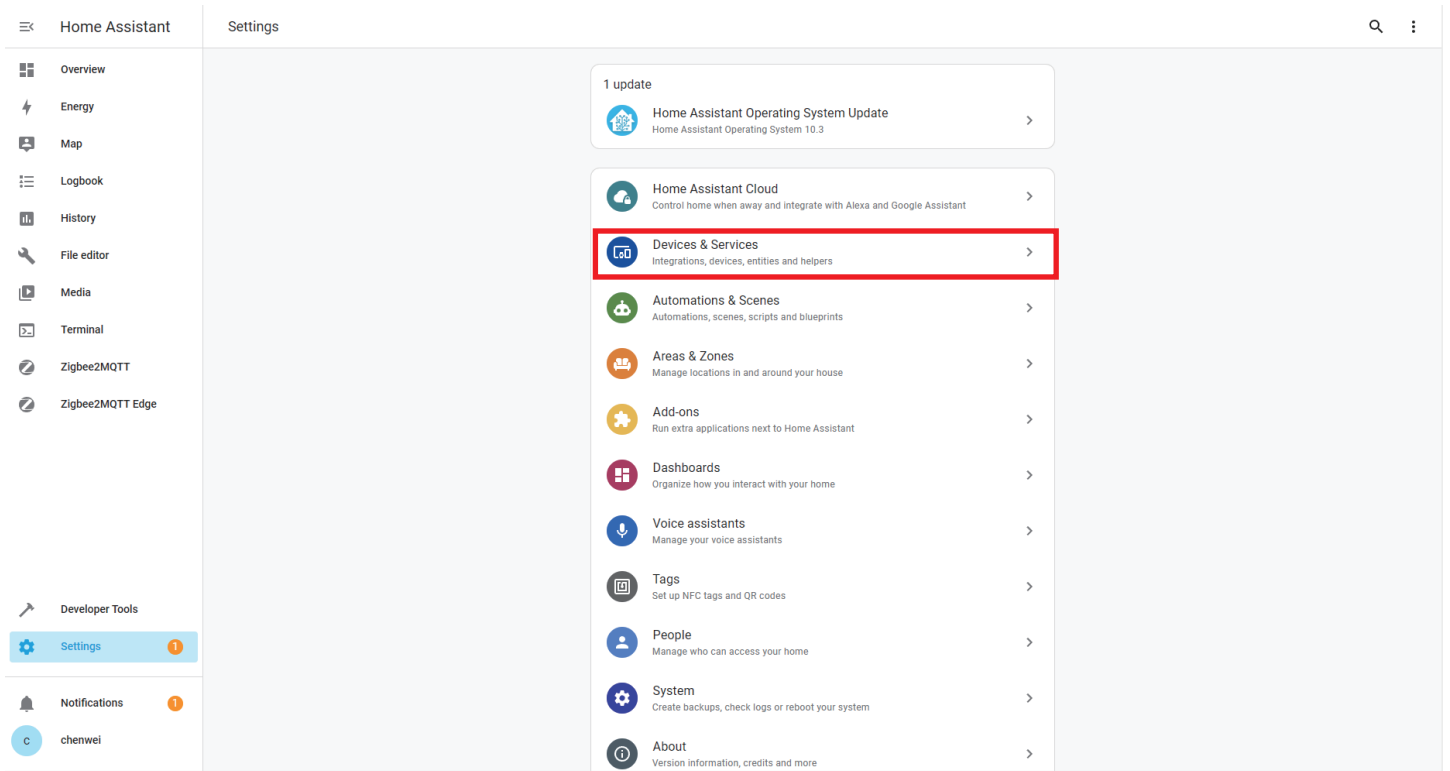
Pairing With Home Assistant

Device: Zigbee dongle



Zigbee Home Automation

1. Push the back cover to open the sensor, install the batteries and close the back cover.(Fig. 1) Long press the reset button (Fig. 2) for 3 seconds to factory reset the sensor and put it into pairing mode again.
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 see detailed information.
7. Click “+” belongs to Automation and add trigger and actions.



Home Assistant

Integrations **Devices** Entities Helpers

Filters Search 29 devices Group by Sort by Device

Device	Manufacturer	Model	Area	Integration	Battery
Third Reality, Inc 3RDS17BZ	Third Reality, Inc	3RDS17BZ	-	Zigbee Home Automation	-
Third Reality, Inc 3RDT01056Z	Third Reality, Inc	3RDT01056Z	-	Zigbee Home Automation	-
Third Reality, Inc 3RDT01056Z	Third Reality, Inc	3RDT01056Z	-	Zigbee Home Automation	-
Third Reality, Inc 3RMS16BZ	Third Reality, Inc	3RMS16BZ	-	Zigbee Home Automation	-
Third Reality, Inc 3RMS16BZ	Third Reality, Inc	3RMS16BZ	-	Zigbee Home Automation	-
Third Reality, Inc 3RMS16BZ	Third Reality, Inc	3RMS16BZ	-	Zigbee Home Automation	-
Third Reality, Inc 3RMS16BZ	Third Reality, Inc	3RMS16BZ	Living Room	Zigbee Home Automation	94%
Third Reality, Inc 3RSNL02043Z	Third Reality, Inc	3RSNL02043Z	office	Zigbee Home Automation	-
Third Reality, Inc 3RSP02028BZ	Third Reality, Inc	3RSP02028BZ	-	Zigbee Home Automation	-
Third Reality, Inc 3RSS009Z	Third Reality, Inc	3RSS009Z	-	Zigbee Home Automation	-
Third Reality, Inc 3RTHS24BZ	Third Reality, Inc	3RTHS24BZ	-	Zigbee Home Automation	-
Third Reality, Inc 3RVS01031Z	Third Reality, Inc	3RVS01031Z	-	Zigbee Home Automation	-
Third Reality, Inc 3RVS01031Z	Third Reality, Inc	3RVS01031Z	-	Zigbee Home Automation	-
Third Reality, Inc 3RWK0148Z	Third Reality, Inc	3RWK0148Z	-	Zigbee Home Automation	-

Settings Notifications ham + ADD DEVICE

Home Assistant Third Reality, Inc 3RMS16BZ

In Living Room 94%

Device info

3RMS16BZ by Third Reality, Inc
Firmware: 0x00000033

Zigbee info

Zigbee Home Automation

RECONFIGURE

Automations

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

Scenes

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

Scripts

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

Sensors

Motion Detected

ADD TO DASHBOARD

Configuration

Firmware Up-to-date

ADD TO DASHBOARD

Diagnostic

Battery 94%

+2 entities not shown

ADD TO DASHBOARD

Logbook

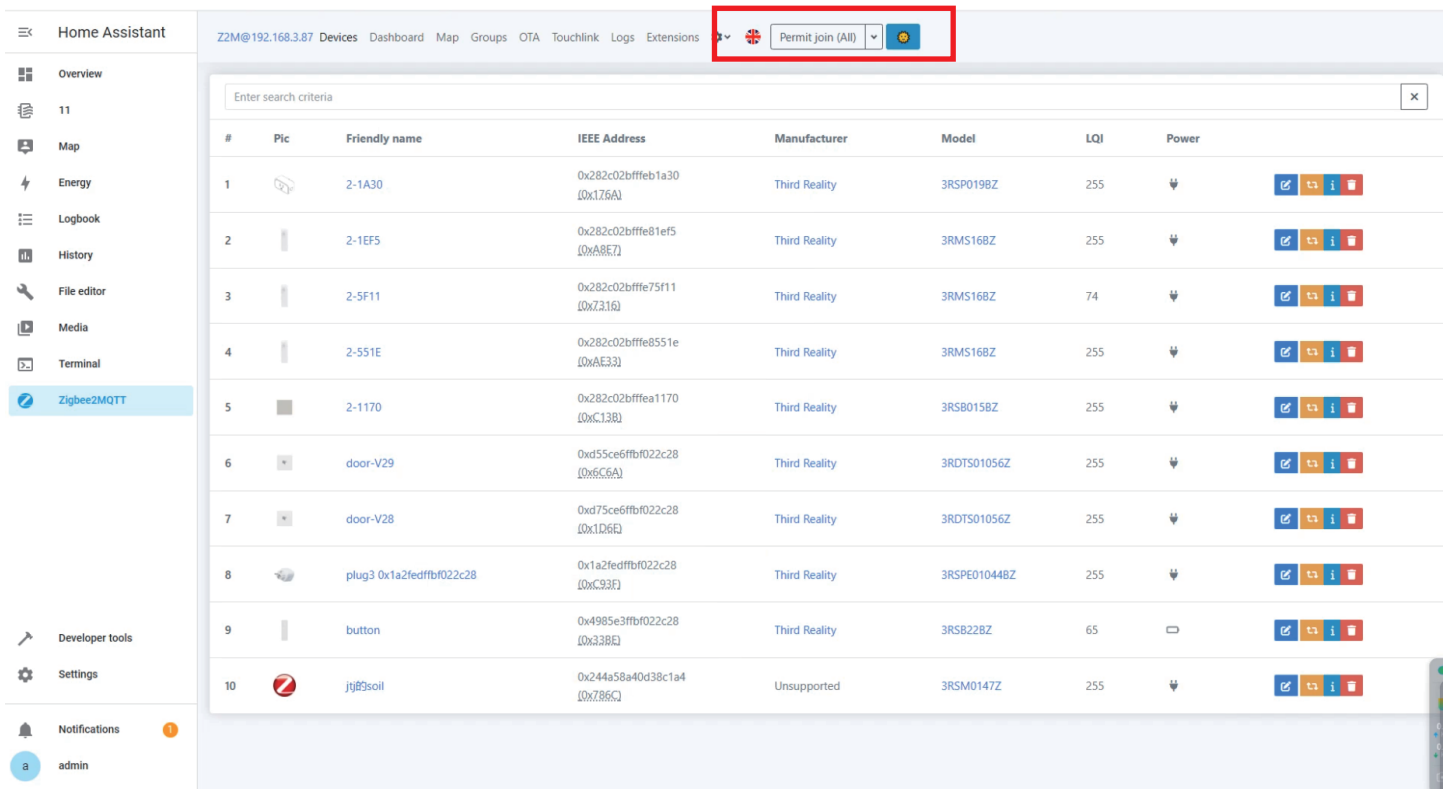
November 11, 2024

Third Reality, Inc 3RMS16BZ Motion detected motion
9:26:43 AM - 1 minute ago





















Settings Notifications ham

Zigbee2MQTT

1. Push the back cover to open the sensor, install the batteries and close the back cover.(Fig. 1) Long press the reset button (Fig. 2) for 3 seconds to factory reset the sensor and put it into pairing mode again.
2. Permit join to start Zigbee pairing in Zigbee2MQTT.
3. Pairing completed, the sensor will be displayed in the device list.
4. Go to Settings page, create automation.



The screenshot shows the Home Assistant interface with the Zigbee2MQTT extension active. The top navigation bar includes 'Home Assistant', 'Z2M@192.168.3.87', and various menu items. A red box highlights the 'Permit join (All)' button in the top right corner. Below this is a search bar and a table of devices.

#	Pic	Friendly name	IEEE Address	Manufacturer	Model	LQI	Power	
1		2-1A30	0x282c02bffe1a30 [0x176A]	Third Reality	3RSP019BZ	255	↓	
2		2-1EF5	0x282c02bffe81ef5 [0xA8E7]	Third Reality	3RMS16BZ	255	↓	
3		2-5F11	0x282c02bffe75f11 [0x7316]	Third Reality	3RMS16BZ	74	↓	
4		2-551E	0x282c02bffe8551e [0xAE33]	Third Reality	3RMS16BZ	255	↓	
5		2-1170	0x282c02bffa1170 [0xC138]	Third Reality	3RSB015BZ	255	↓	
6		door-V29	0xd55ce6ffb022c28 [0x6C6A]	Third Reality	3RDT01056Z	255	↓	
7		door-V28	0xd75ce6ffb022c28 [0x1D6E]	Third Reality	3RDT01056Z	255	↓	
8		plug3 0x1a2fedffb022c28	0x1a2fedffb022c28 [0xC93E]	Third Reality	3RSPE01044BZ	255	↓	
9		button	0x4985e3ffb022c28 [0x338E]	Third Reality	3RSB22BZ	65	□	
10		jjg9soil	0x244a58a40d38c1a4 [0x786C]	Unsupported	3RSM0147Z	255	↓	

Home Assistant

- Overview
- 11
- Map
- Energy
- Logbook
- History
- File editor
- Media
- Terminal
- Zigbee2MQTT

Developer tools

- Settings
- Notifications
- admin

Z2M@192.168.3.87 Devices Dashboard Map Groups OTA Touchlink Logs Extensions Permit join (All)

4		2-551E	0x282c02bffe8551e (0xAE33)	Third Reality	3RMS16BZ	255		
5		2-1170	0x282c02bffe81170 (0xC138)	Third Reality	3RSB015BZ	255		
6		door-V29	0xd55ce6ffb022c28 (0x6C6A)	Third Reality	3RDT501056Z	255		
7		door-V28	0xd75ce6ffb022c28 (0x1D6E)	Third Reality	3RDT501056Z	255		
8		huan-switch	0x282c02bffe900c0 (0x13FE)	Third Reality	3RSS009Z	255		
9		wl	0x7cb94c6334c80000 (0x9982)	Third Reality	3RCB01057Z	255		
10		zzx-sengled	0xb0ce18140015bd64 (0x8F9B)	Sengled	E21-N1EA	23		
11		zzx-philips	0x00178801042be004 (0xA3E0)	Philips	9290012573A	210		
12		zzx-light	0xb40ecfd2dc210000 (0x5DBD)	Third Reality	3RCB01057Z	255		
13		0x282c02bffe8c05a	0x282c02bffe8c05a (0xE31B)	Third Reality	3RWS18BZ	211	?	
14		0xf44250c3818d0000	0xf44250c3818d0000 (0xC8C2)	Third Reality	3RSNL02043Z	42		
15		0x282c02bffe86213	0x282c02bffe86213 (0x8C0C)	Third Reality	3RDS17BZ	255		
6		0x282c02bffe8529a	0x282c02bffe8529a (0x5E5B)	Third Reality	3RMS16BZ	255		

Home Assistant

- Overview
- 11
- Map
- Energy
- Logbook
- History
- File editor
- Media
- Terminal
- Zigbee2MQTT

Developer tools

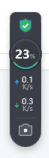
- Settings
- Notifications
- admin

Z2M@192.168.3.87 Devices Dashboard Map Groups OTA Touchlink Logs Extensions Permit join (All)

0x282c02bffe8529a

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

Occupancy Indicates whether the device detected occupancy	Occupied
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	94 %
Voltage Voltage of the battery in millivolts	Null mV
Linkquality Link quality (signal strength)	255 lqi



Troubleshooting

1. Why does the motion sensor give false alarms?

- Please check if the motion sensor is installed close to anything like wireless router or other high powered transmitter;
- Is your motion sensor faced window with sunshine?
- Is your motion sensor faced a heat source, like air conditioning, or shower room?
- Is your motion sensor place in a low position and you have pet in the room?

2. I am finding that smart things is unable to show me the online or offline status of the sensor.

The device online/offline report is controlled by the HUB. THIRDRREALITY device sends beacon to hub every few seconds, and in THIRDRREALITY hub itself, we report online/offline status. We cannot find SmartThings Hub is doing this.

3. **My motion sensors are not pairing with Alexa Echo with a built-in zigbee hub.**
- Make sure your Echo Speaker is compatible with wireless motion sensor and update to latest version. Our Wireless Motion Sensor is compatible with Alexa Echo V4, not Echo Dot 4.
 - Reboot the Echo speaker by unplugging the power and plugging it back in, then try to pair the motion sensor with it again.
 - If still not working, factory reset the Echo speaker by pressing and holding the action button for 25 seconds. The light ring will pulse orange, then turn off. Wait for the light ring to turn back on and turn blue. The light ring then turns orange again and the device enters the set up mode, then try to pair the motion sensor with it again.

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://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.