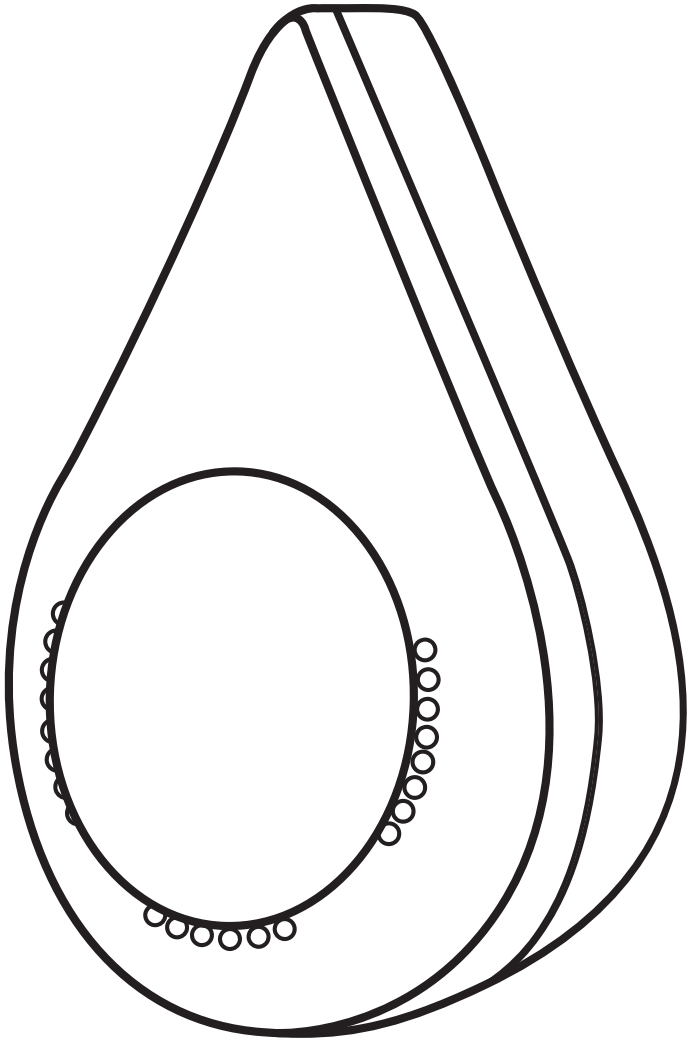
Water Leak Sensor

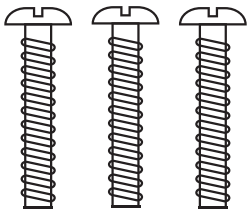
User Manual



THIRDREALITY

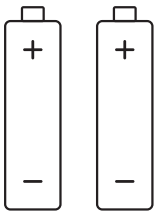
Contents

Mounting Kit



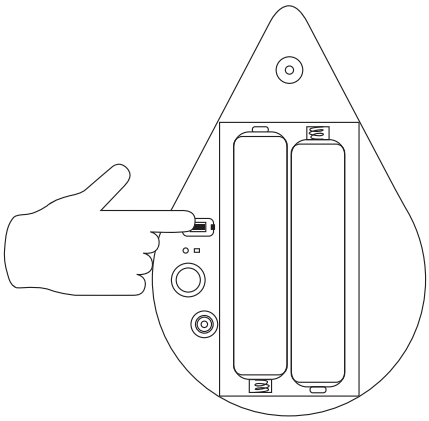
Screw x 3

Screwdriver



Battery x 2

①



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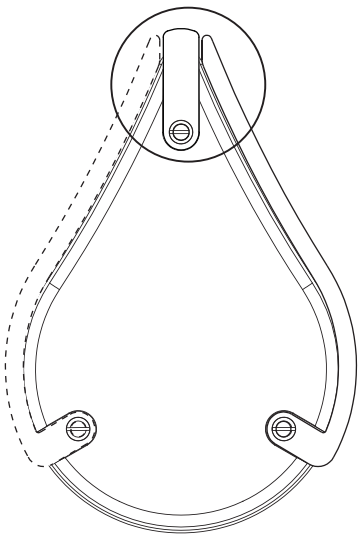
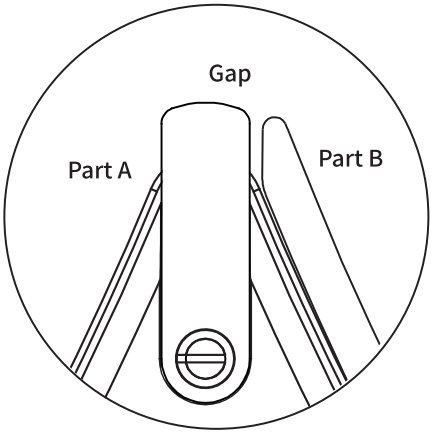




Factory Reset

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

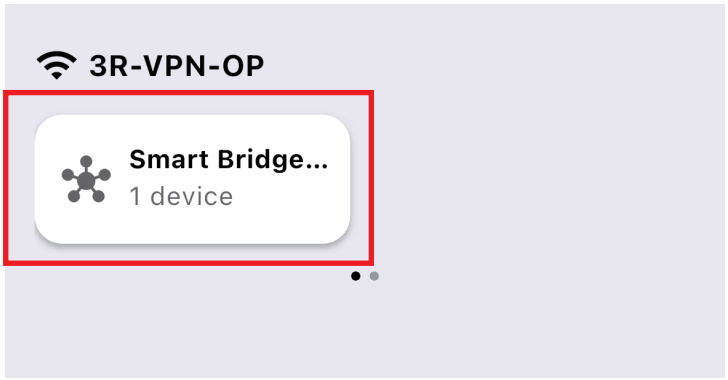
Mounting your Water Leak Sensor

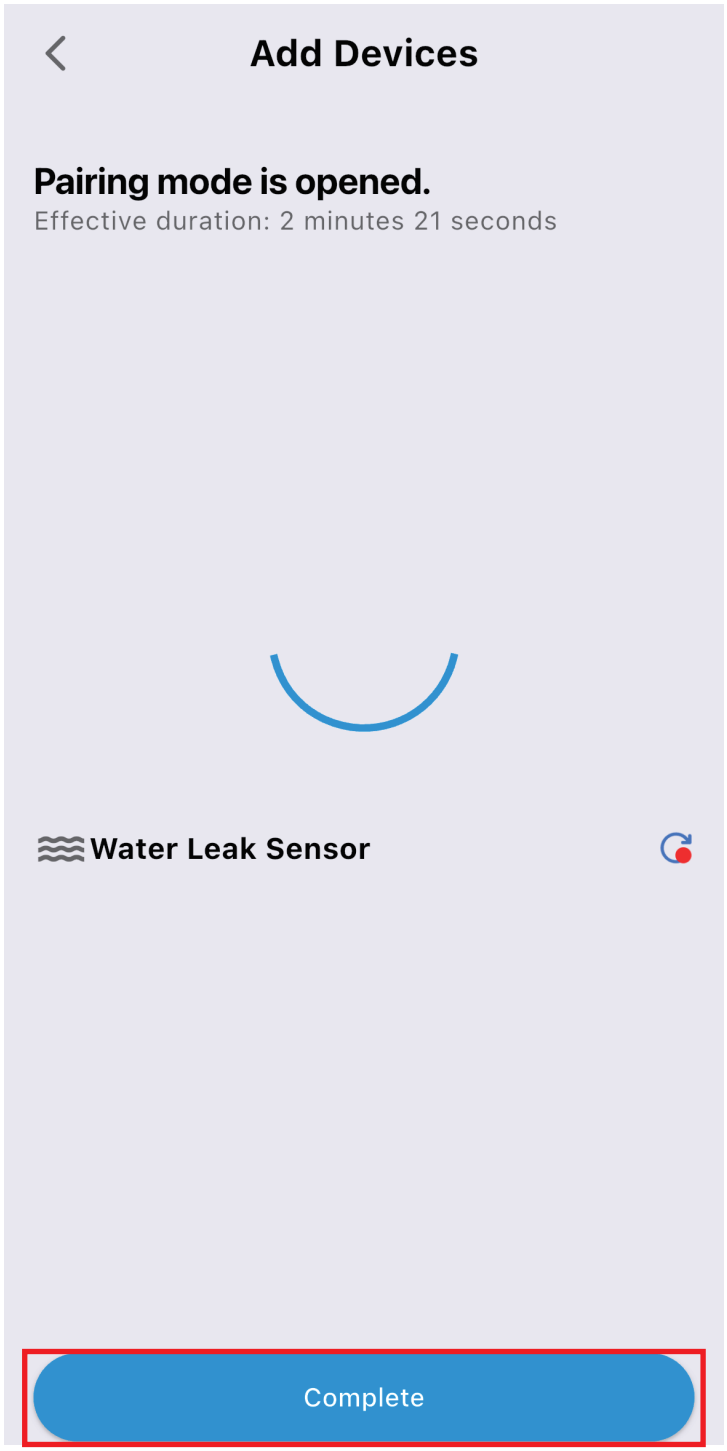
1. Placing the sensor on the floor of your desired area for water leak monitoring.
2. The local alarm will go off when a water leak is detected, a phone push notification will be sent to your phone when Third Reality hub and app are used.

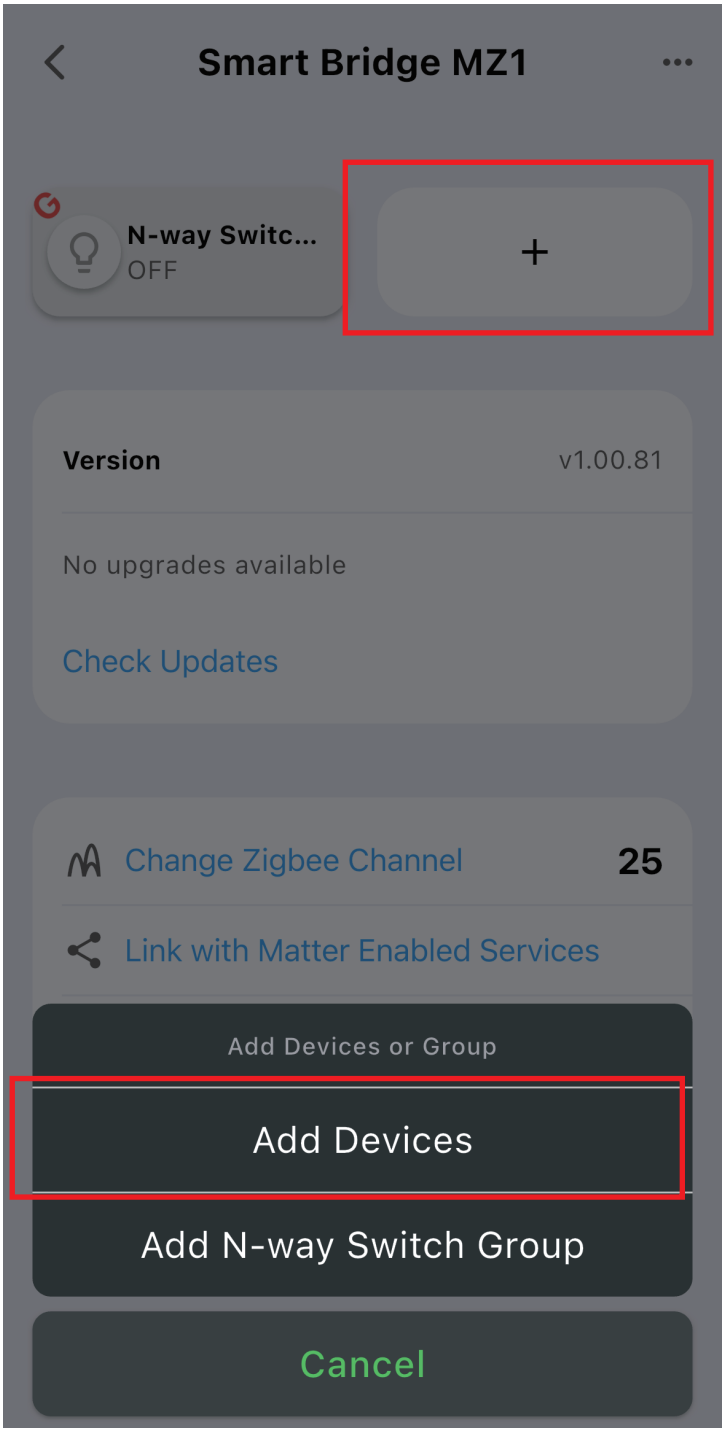
Setup with Smart Bridge MZ1

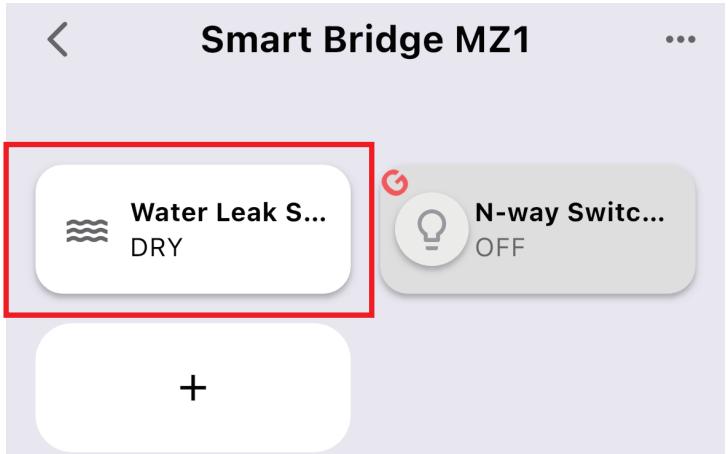
The Smart Bridge (sold separately) enables your Zigbee device to become Matter-compatible, allowing seamless integration with major Matter ecosystems like Apple Home, Google Home, Amazon Alexa, Samsung SmartThings, and Home Assistant. By setting up your Zigbee sensor with the Smart Bridge, it transforms into a Matter compatible water leak 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.

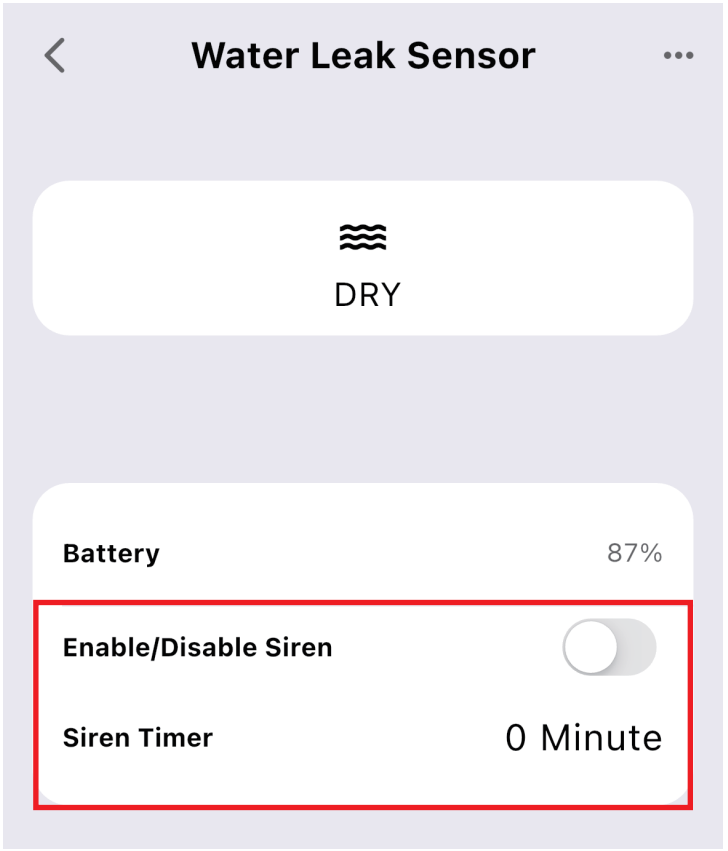
1. Ensure your bridge is already set up within your smart home system.
2. Use a screwdriver to open the back cover of the sensor, install the batteries, now the sensor is in pairing mode. Long press the reset button (Fig. 1) for 3 seconds to factory reset the sensor and put it into pairing mode again when needed.
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 Enable/-Disabled Siren and Siren Timer by smart bridge. Then, use the multi-admin feature in your smart home app to share permissions with the 3R-Installer App.

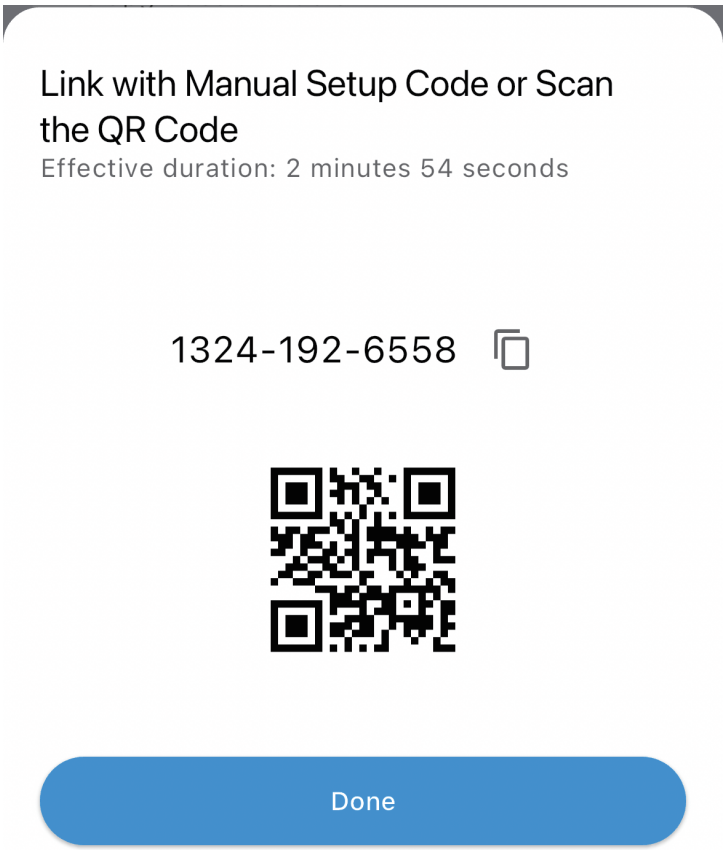

3R-VPN-OP
Smart Bridge...
1 device

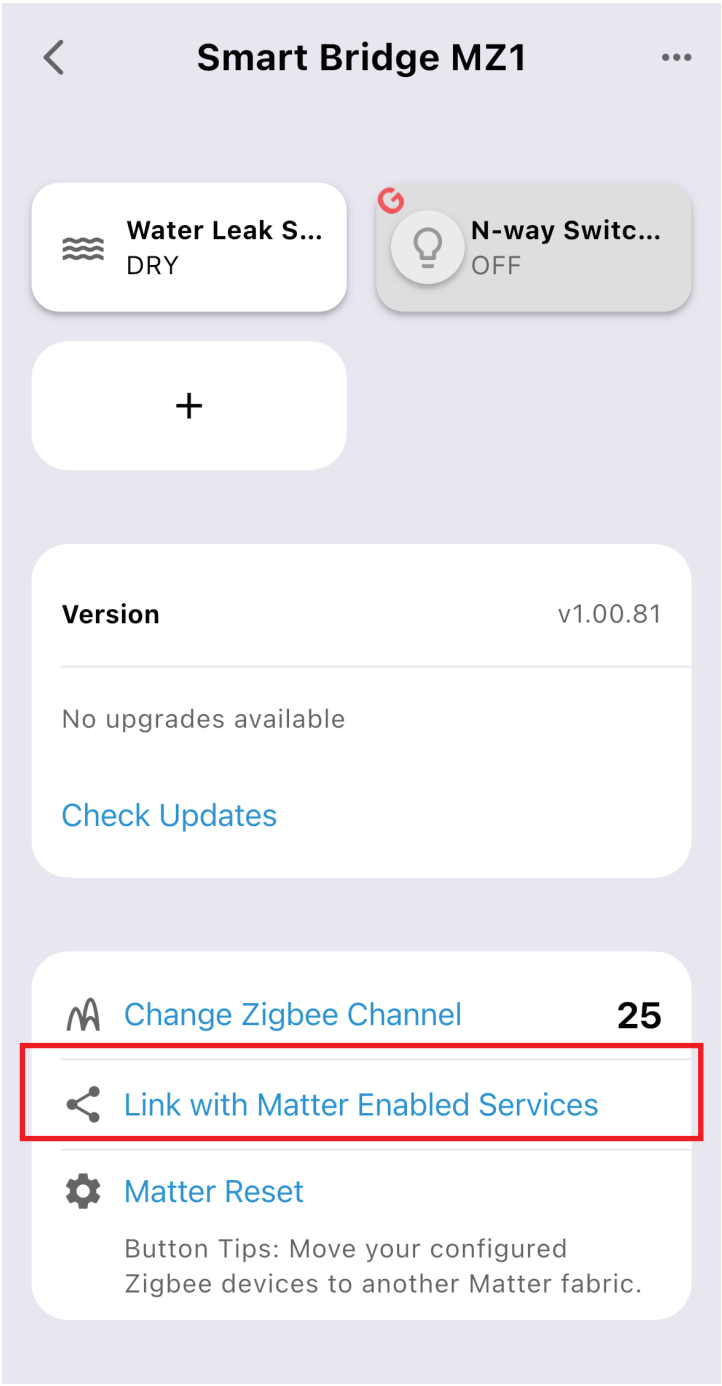

Add Devices
Pairing mode is opened.
Effective duration: 2 minutes 21 seconds
Water Leak Sensor
Complete


Smart Bridge MZ1
N-way Switc...
OFF
Version
v1.00.81
No upgrades available
Check Updates
Change Zigbee Channel
25
Link with Matter Enabled Services
Add Devices or Group
Add Devices
Add N-way Switch Group
Cancel


Smart Bridge MZ1
Water Leak S...
DRY
N-way Switc...
OFF


Water Leak Sensor
DRY
Battery
87%
Enable/Disable Siren
Siren Timer
0 Minute

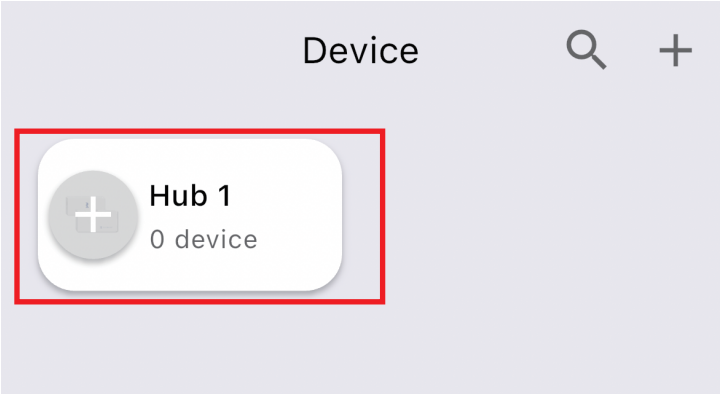

Link with Manual Setup Code or Scan the QR Code
Effective duration: 2 minutes 54 seconds
1324-192-6558
Done

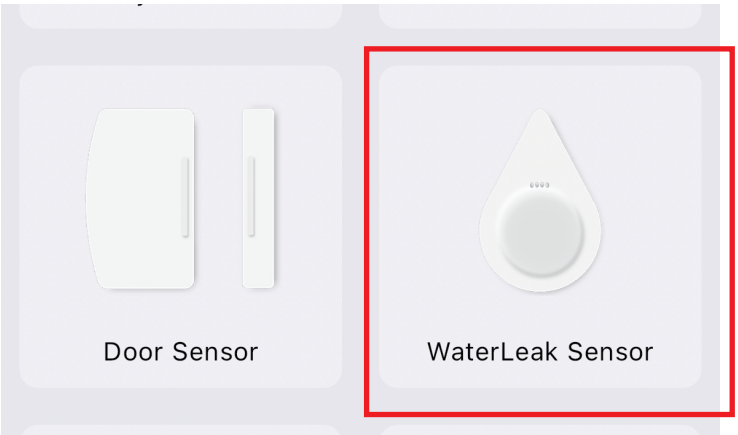

Smart Bridge MZ1
Water Leak S...
DRY
N-way Switc...
OFF
Version
v1.00.81
No upgrades available
Check Updates
Change Zigbee Channel
25
Link with Matter Enabled Services
Matter Reset
Button Tips: Move your configured Zigbee devices to another Matter fabric.

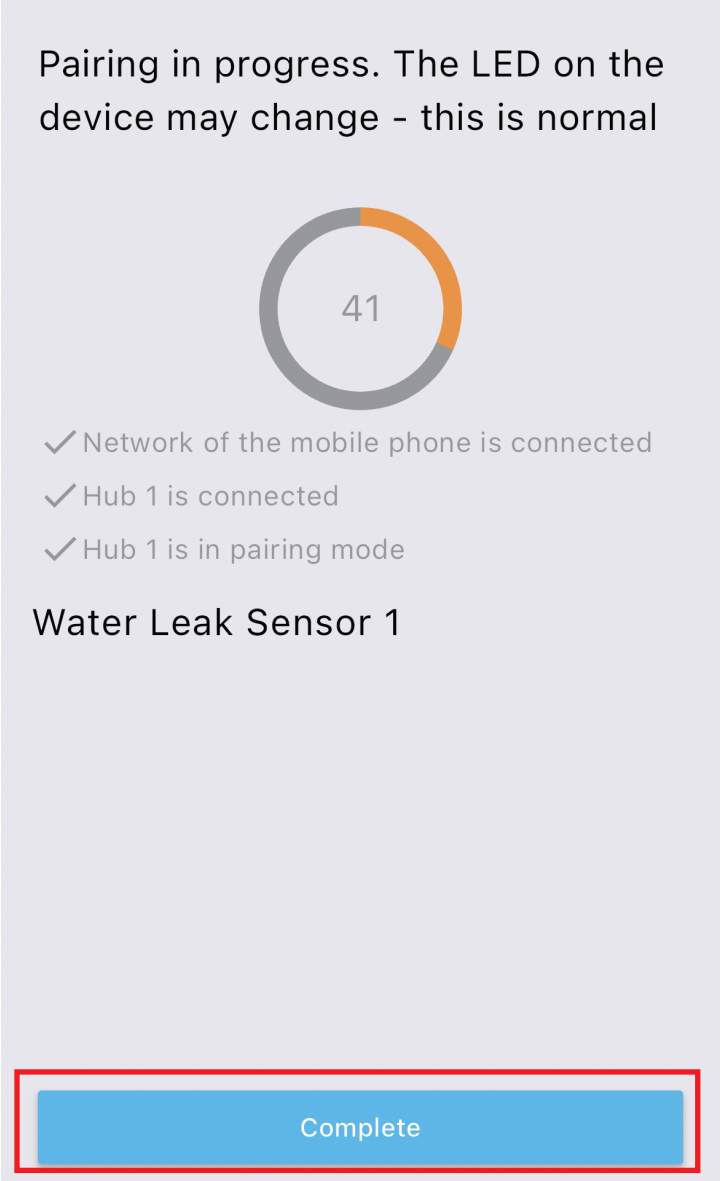
Setup with Third Reality Hub and SKILL

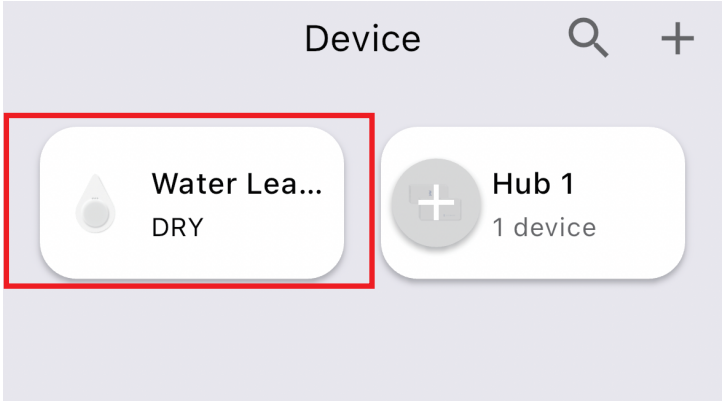
The Third Reality Hub (sold separately) allows you to control your device remotely via the Third Reality App, making it a great option for smart home beginners or those without a system from major providers. Additionally, the Third Reality Cloud supports SKILL integration with Google Home or Amazon Alexa, 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.

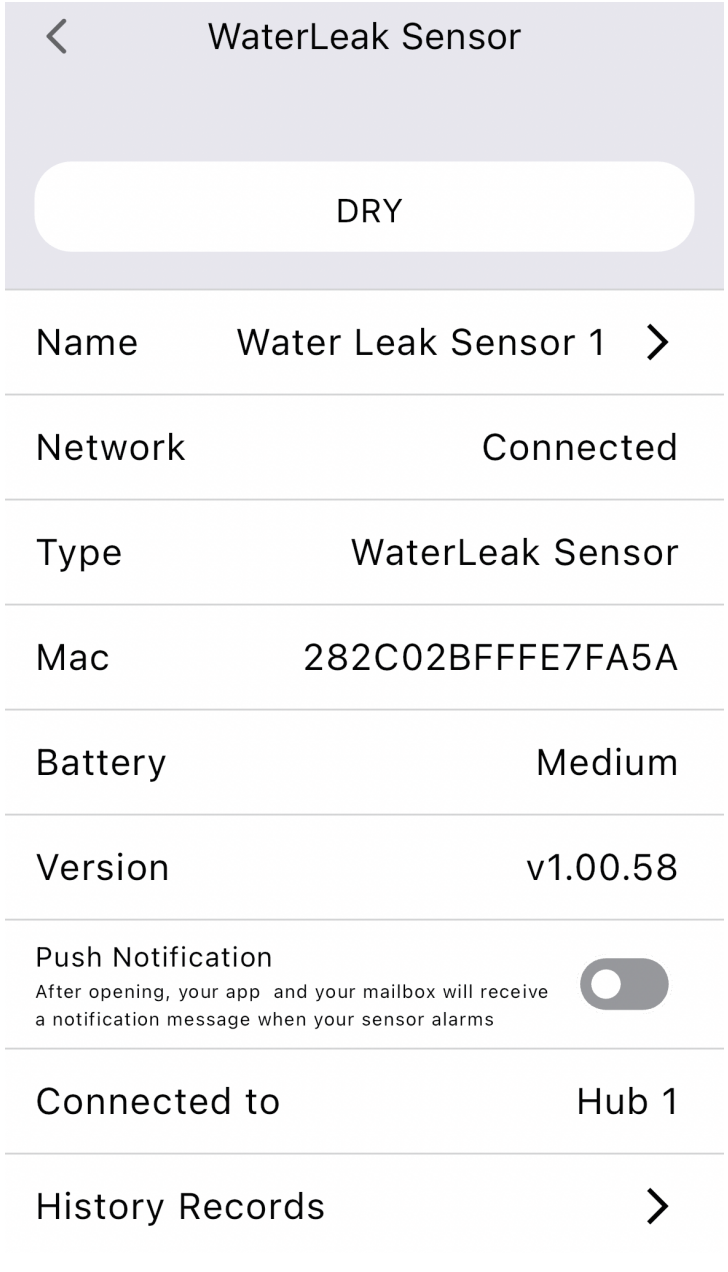
1. Ensure your hub is properly set up with Third Reality App.
2. Use a screwdriver to open the back cover of the sensor, install the batteries, now the sensor is in pairing mode. Long press the reset button (Fig. 1) for 3 seconds to factory reset the sensor and put it into pairing mode again when needed.
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.


Device
Hub 1
0 device


Door Sensor
WaterLeak Sensor


Pairing in progress. The LED on the device may change - this is normal
41
Network of the mobile phone is connected
Hub 1 is connected
Hub 1 is in pairing mode
Water Leak Sensor 1
Complete


Device
Water Lea...
DRY
Hub 1
1 device


WaterLeak Sensor
DRY
Name
Water Leak Sensor 1
Network
Connected
Type
WaterLeak Sensor
Mac
282C02BFFFE7FA5A
Battery
Medium
Version
v1.00.58
Push Notification
After opening, your app and your mailbox will receive a notification message when your sensor alarms
Connected to
Hub 1
History Records

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 water leak sensor directly without the need for an additional bridge or hub.

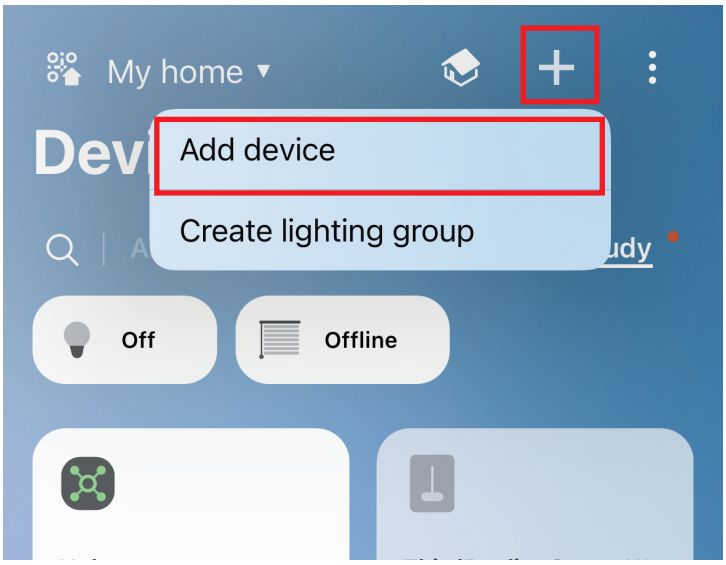
1. Ensure your Zigbee Hub is already set up within your smart home system.
2. Use a screwdriver to open the back cover of the sensor, install the batteries, now the sensor is in pairing mode. Long press the reset button (Fig. 1) for 3 seconds to factory reset the sensor and put it into pairing mode again when needed.
3. Open your smart home app and follow the on-screen instructions to begin the Zigbee pairing process.
4. The water leak 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.

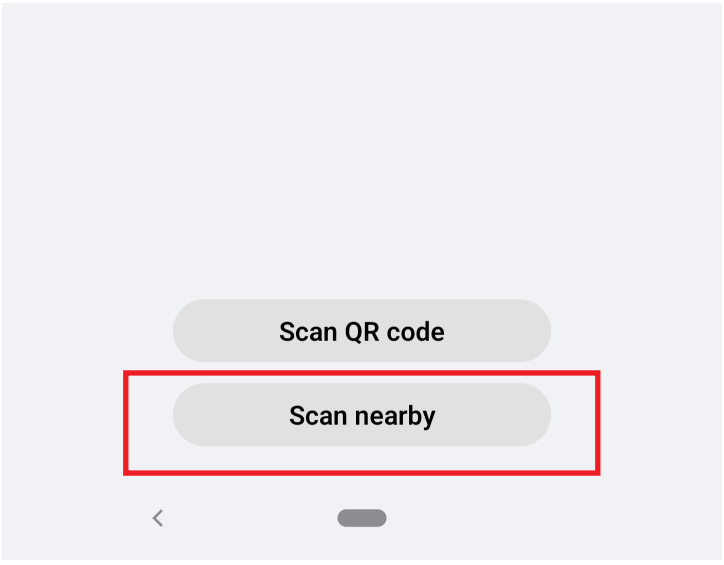
Pairing with SmartThings

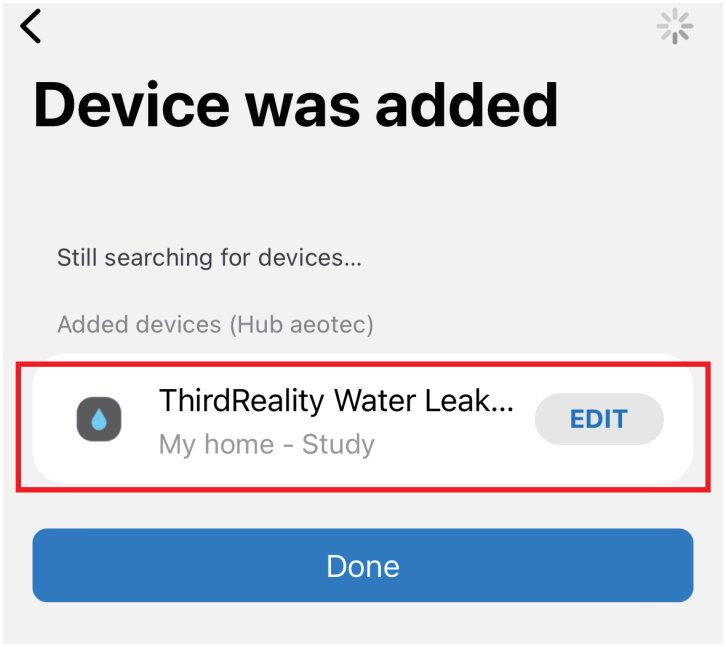
App: SmartThings App
Devices: SmartThings Hub 2nd Gen(2015) and 3rd Gen(2018), Aeotec Smart Home Hub.

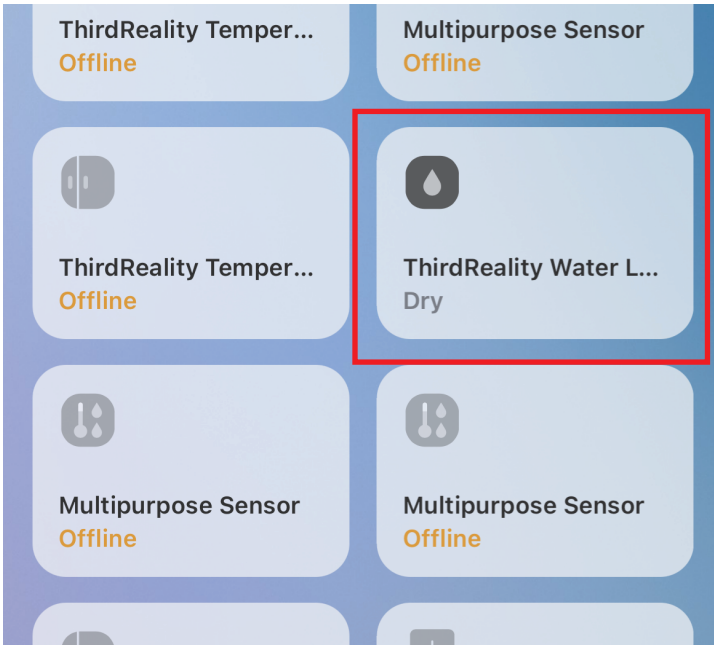
Pairing steps:

1. Before pairing, check for updates to make sure the SmartThings Hub firmware is up to date.
3. Use a screwdriver to open the back cover of the sensor, install the batteries, now the sensor is in pairing mode. Long press the reset button (Fig. 1) for 3 seconds to factory reset the sensor and put it into pairing mode again when needed.
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.

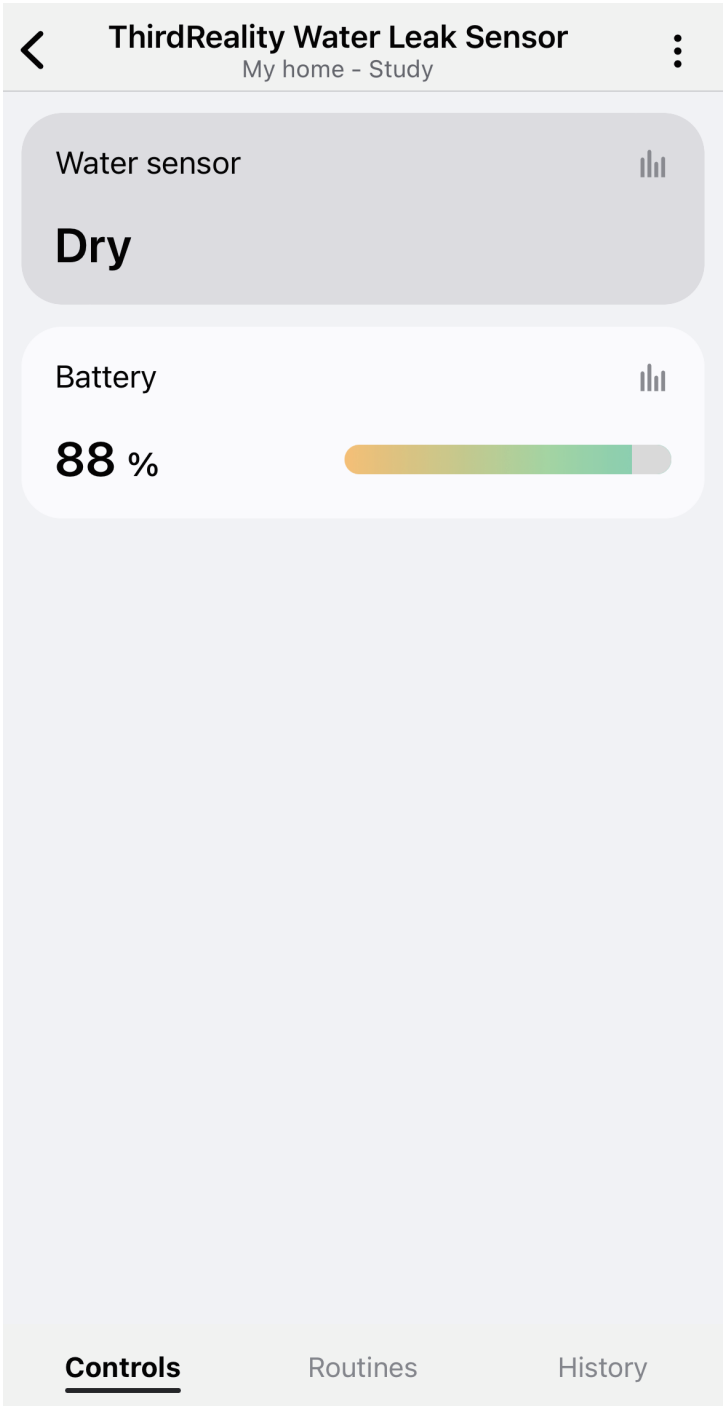

My home
Add device
Create lighting group
Off
Offline

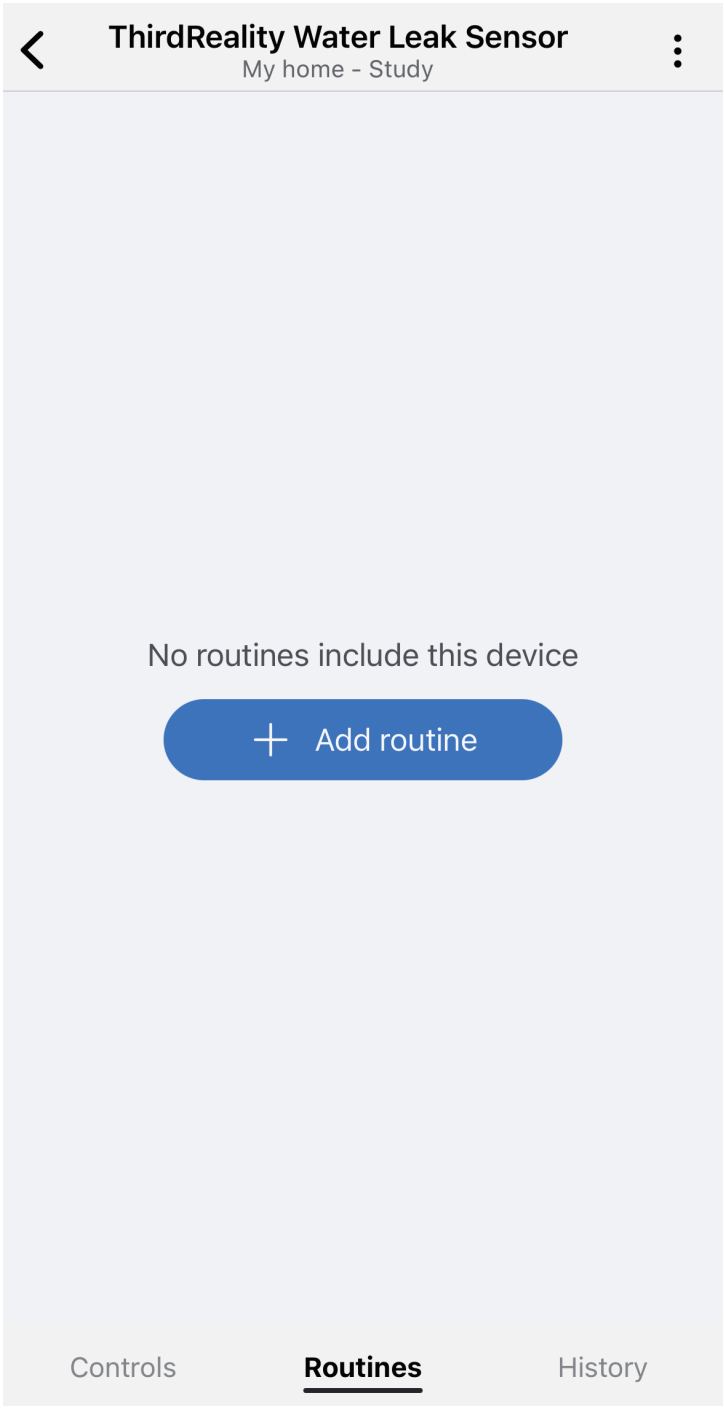

Scan QR code
Scan nearby


Device was added
Still searching for devices...
Added devices (Hub aeotec)
ThirdReality Water Leak...
My home - Study
EDIT
Done


ThirdReality Temper...
Offline
Multipurpose Sensor
Offline
ThirdReality Temper...
Offline
ThirdReality Water L...
Dry
Multipurpose Sensor
Offline
Multipurpose Sensor
Offline

6. Create routines to control connected devices.





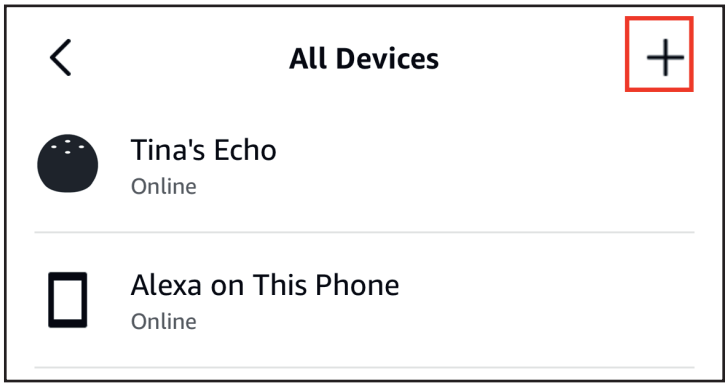
Pairing with Amazon Alexa

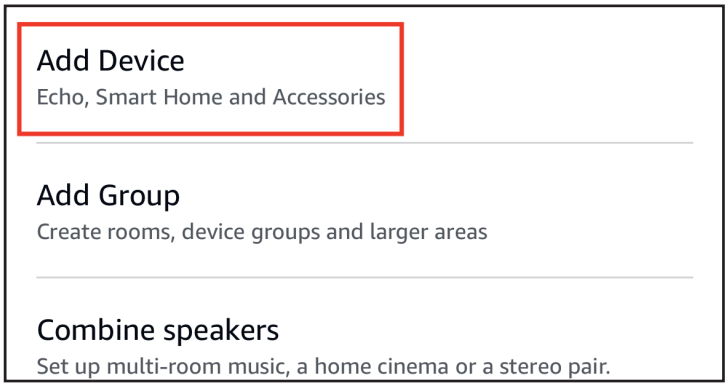
App: Amazon Alexa

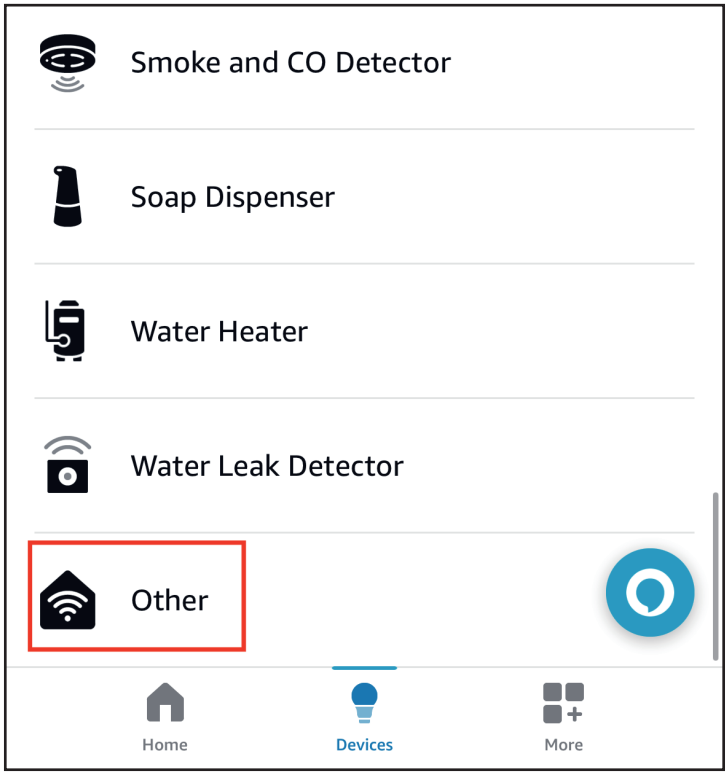
Devices: Echo speakers with built-in Zigbee hub, Echo 4th Gen, Echo Plus 1st & 2nd Gen, Echo Studio

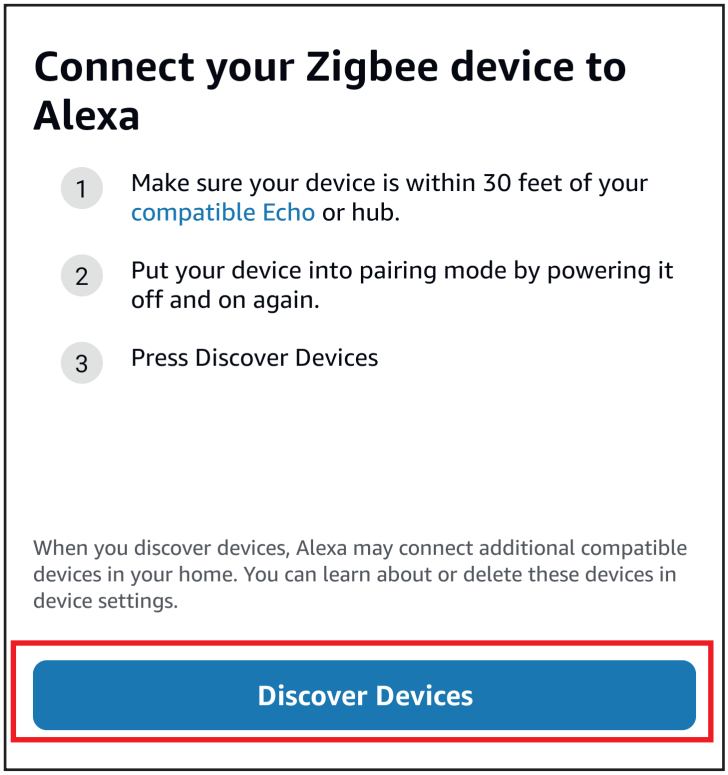
Pairing steps:

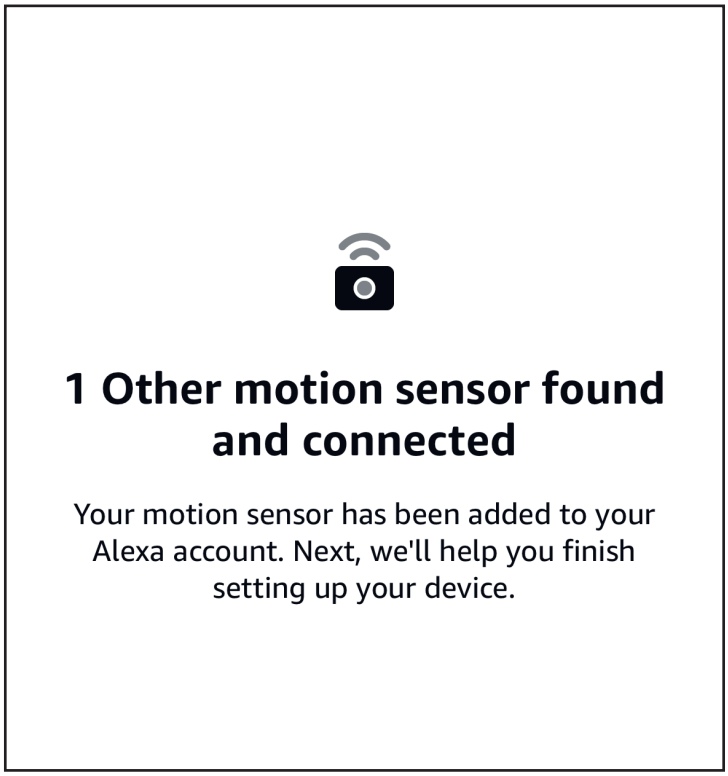
1. Ask Alexa to check for updates before pairing.
2. Use a screwdriver to open the back cover of the sensor, install the batteries, now the sensor is in pairing mode. Long press the reset button (Fig. 1) for 3 seconds to factory reset the sensor and put it into pairing mode again when needed.
3. Tap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

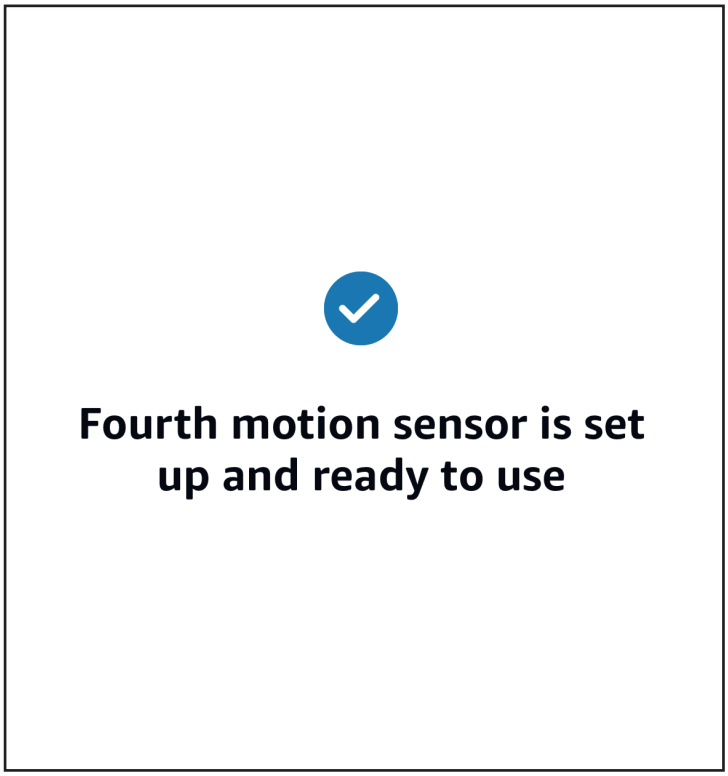

All Devices
Tina's Echo
Online
Alexa on This Phone
Online

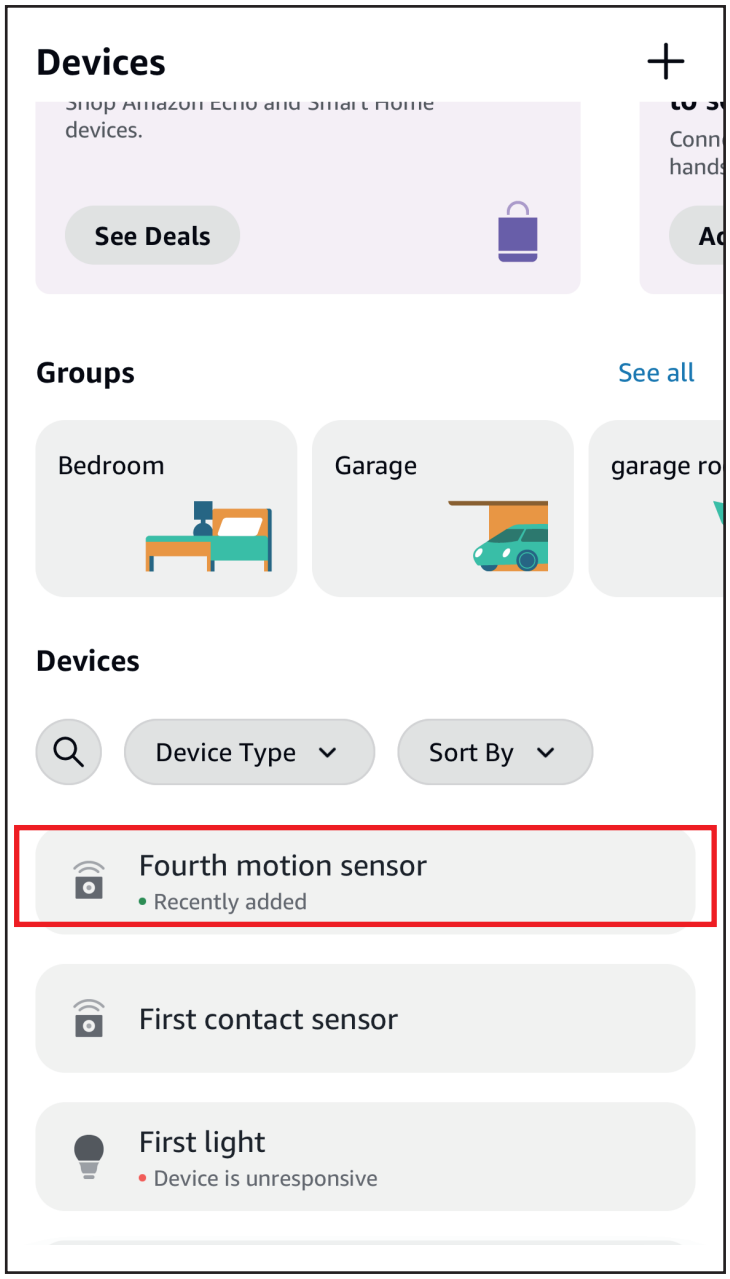

Add Device
Echo, Smart Home and Accessories
Add Group
Create rooms, device groups and larger areas
Combine speakers
Set up multi-room music, a home cinema or a stereo pair.

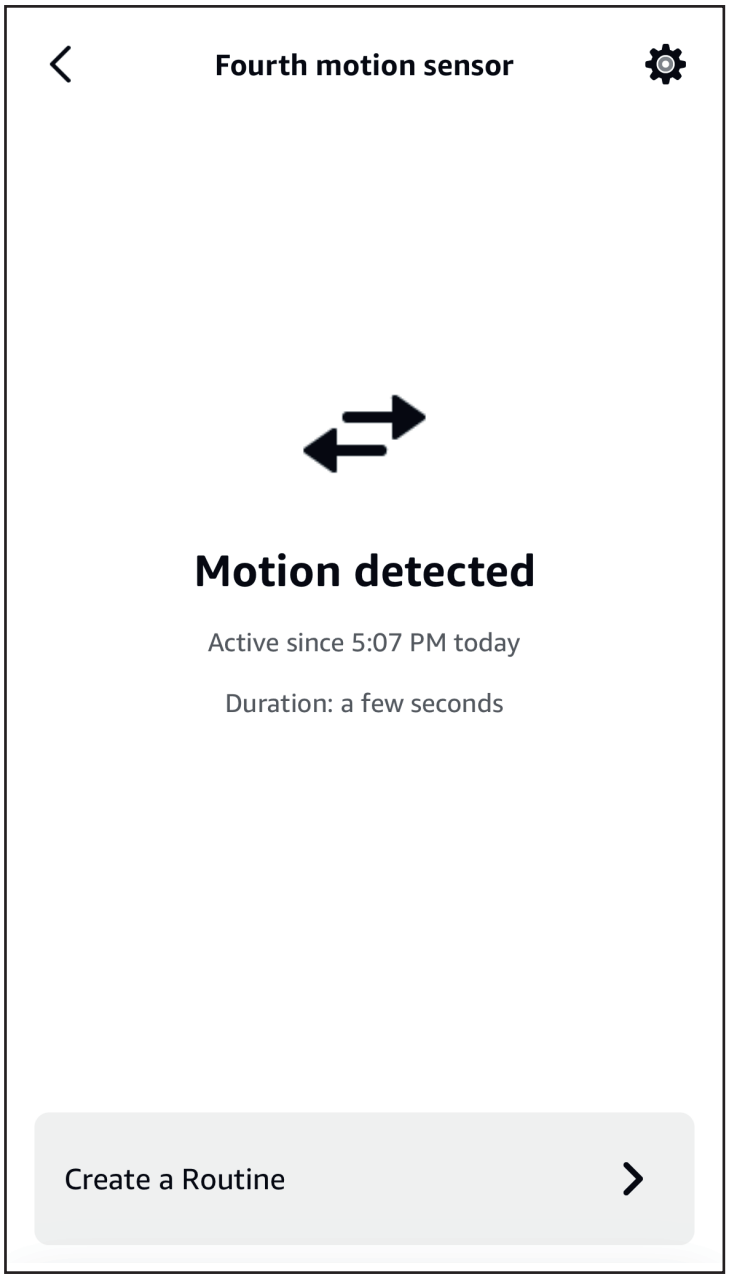

Smoke and CO Detector
Soap Dispenser
Water Heater
Water Leak Detector
Other
Home
Devices
More


Connect your Zigbee device to Alexa
1 Make sure your device is within 30 feet of your compatible Echo or hub.
2 Put your device into pairing mode by powering it off and on again.
3 Press Discover 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


1 Other motion sensor found and connected
Your motion sensor has been added to your Alexa account. Next, we'll help you finish setting up your device.


Fourth motion sensor is set up and ready to use


Devices
devices.
See Deals
Groups
See all
Bedroom
Garage
Devices
Device Type
Sort By
Fourth motion sensor
Recently added
First contact sensor
First light
Device is unresponsive

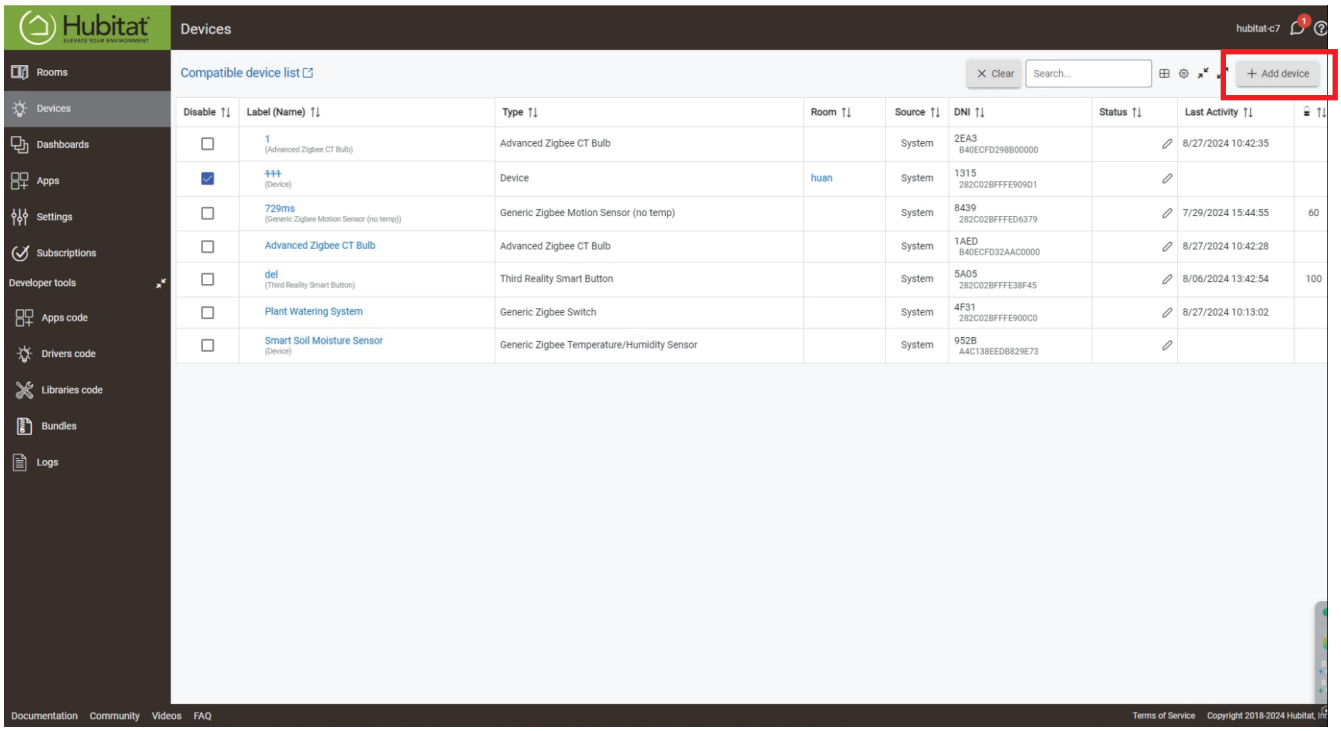

Fourth motion sensor
Motion detected
Active since 5:07 PM today
Duration: a few seconds
Create a Routine

Pairing with Hubitat

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

Pairing steps:

1. Use a screwdriver to open the back cover of the sensor, install the batteries, now the sensor is in pairing mode. Long press the reset button (Fig. 1) for 3 seconds to factory reset the sensor and put it into pairing mode again when needed.
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
Rooms
Devices
Dashboards
Apps
Settings
Subscriptions
Developer tools
Apps code
Drivers code
Libraries code
Bundles
Logs
Compatible device list
Clear
Search...
Add device
Disable
Label (Name)
Type
Room
Source
DNI
Status
Last Activity
1
Advanced Zigbee CT Bulb
Advanced Zigbee CT Bulb
System
2EA3
B40ECFD298B00000
8/27/2024 10:42:35
+++
Device
huan
System
1315
282C02BFFFE909D1
729ms
Generic Zigbee Motion Sensor (no temp)
System
8439
282C02BFFFED6379
7/29/2024 15:44:55
60
Advanced Zigbee CT Bulb
Advanced Zigbee CT Bulb
System
1AED
B40ECFD32AAC0000
8/27/2024 10:42:28
del
Third Reality Smart Button
Third Reality Smart Button
System
5A05
282C02BFFFE38F45
8/06/2024 13:42:54
100
Plant Watering System
Generic Zigbee Switch
System
4F31
282C02BFFFE900C0
8/27/2024 10:13:02
Smart Soil Moisture Sensor
Generic Zigbee Temperature/Humidity Sensor
System
952B
A4C138EEDB829E73
Documentation
Community
Videos
FAQ
Terms of Service
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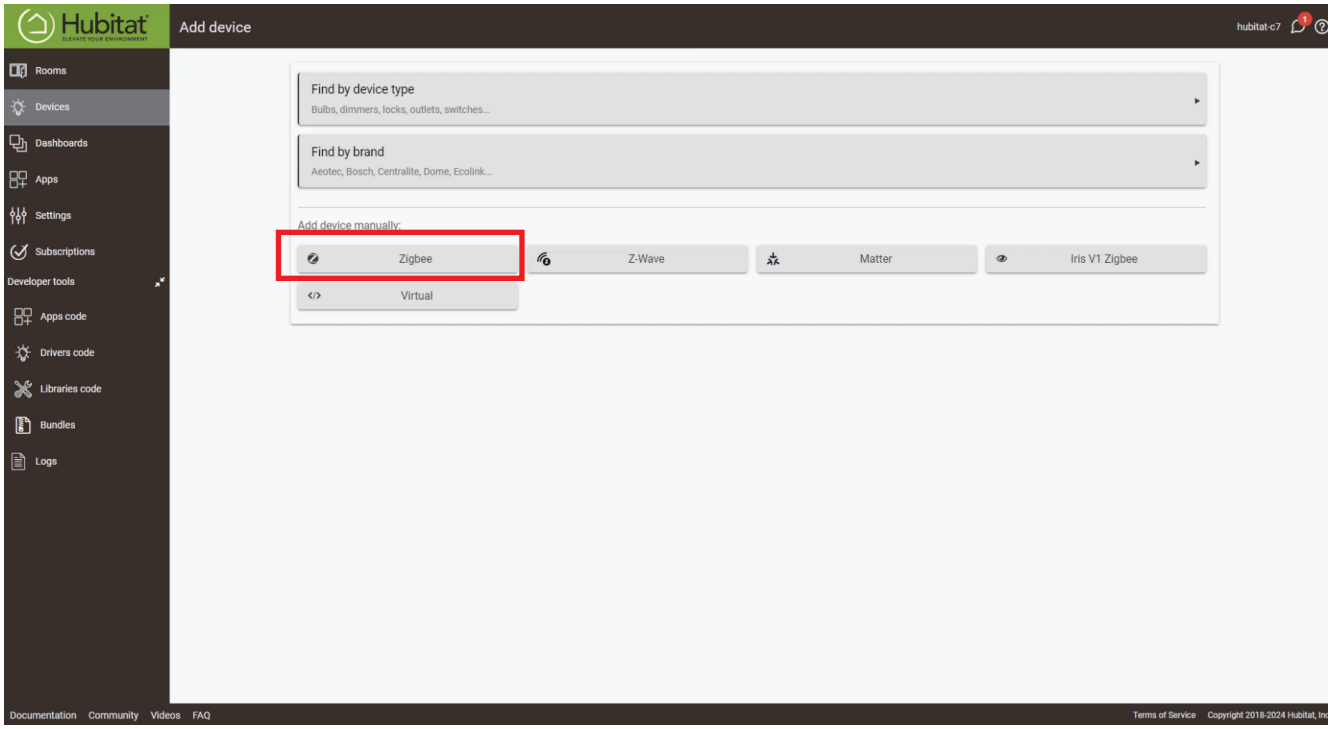
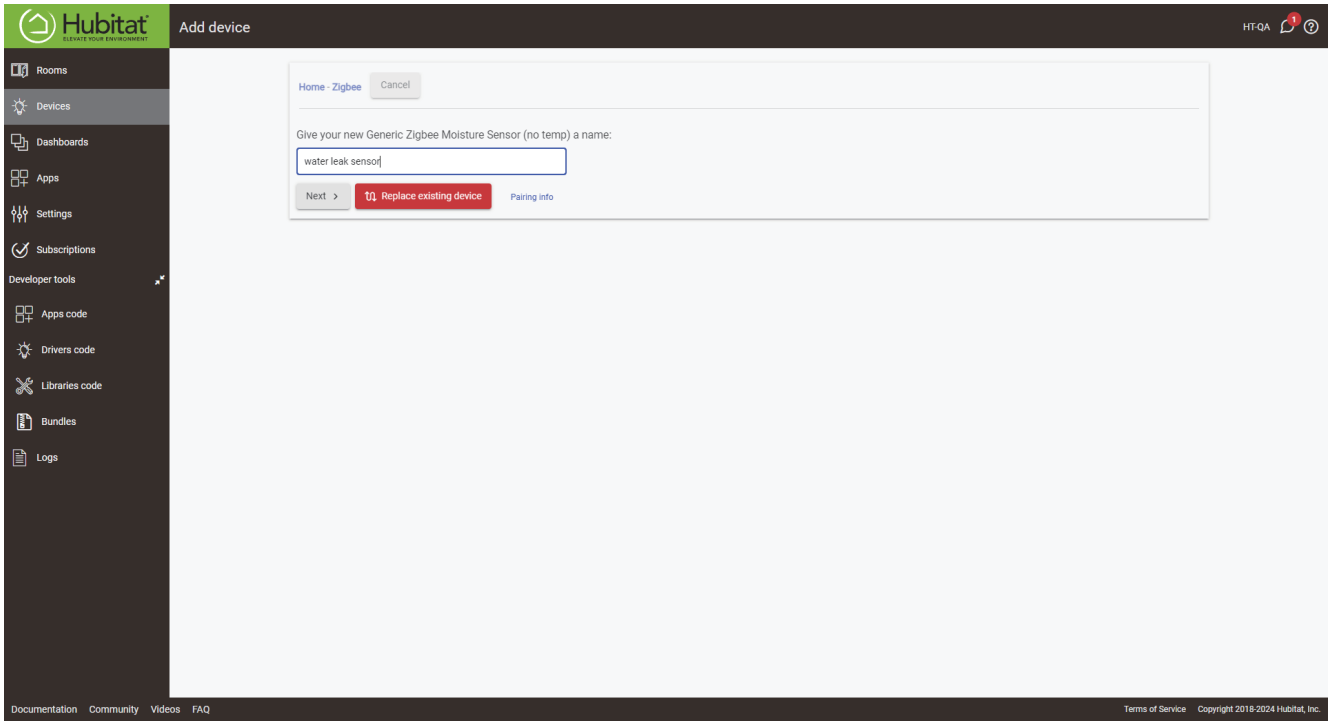

Hubitat
Add device
hubitat-c7
Rooms
Devices
Dashboards
Apps
Settings
Subscriptions
Developer tools
Apps code
Drivers code
Libraries code
Bundles
Logs
Find by device type
Bulbs, dimmers, locks, outlets, switches...
Find by brand
Aeotec, Bosch, Centralite, Dome, Ecolink...
Add device manually:
Zigbee
Z-Wave
Matter
Iris V1 Zigbee
Virtual
Documentation
Community
Videos
FAQ
Terms of Service
Copyright 2018-2024 Hubitat, Inc


Hubitat
Add device
HT-QA
Rooms
Devices
Dashboards
Apps
Settings
Subscriptions
Developer tools
Apps code
Drivers code
Libraries code
Bundles
Logs
Home - Zigbee
Cancel
Give your new Generic Zigbee Moisture Sensor (no temp) a name:
water leak sensor
Next >
Replace existing device
Pairing info
Documentation
Community
Videos
FAQ
Terms of Service
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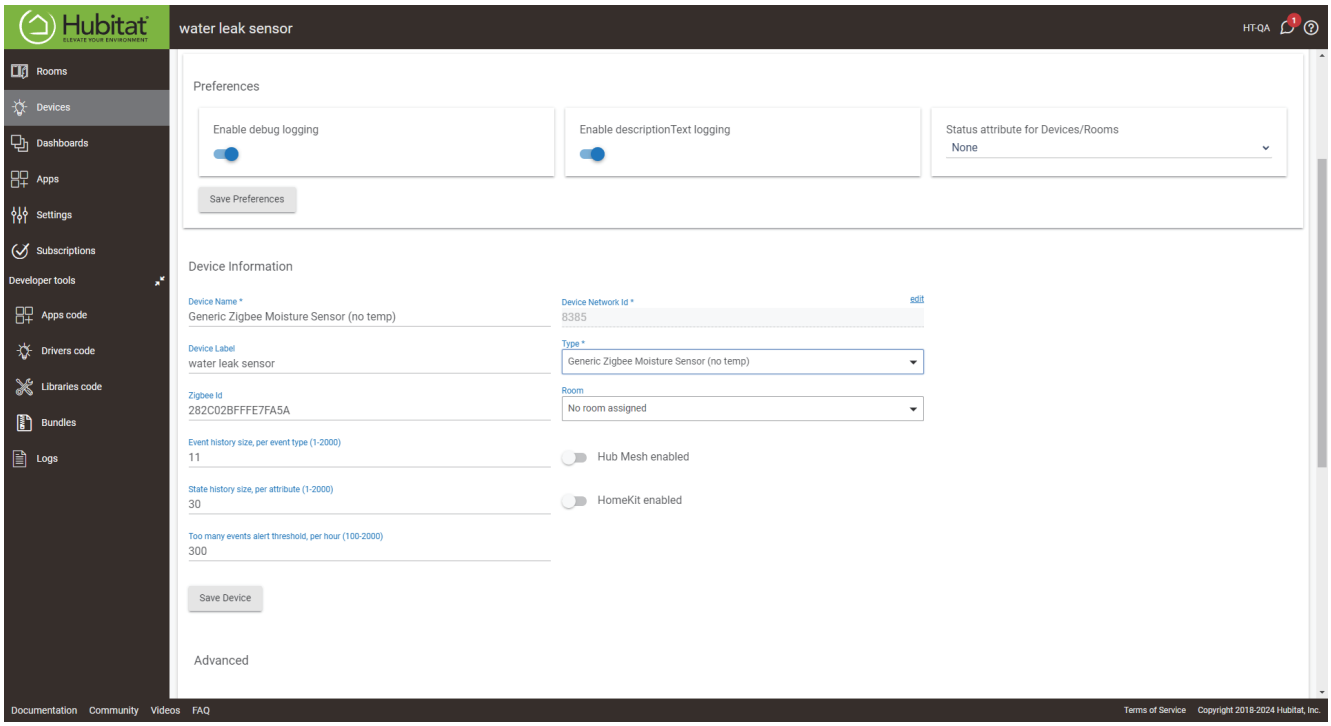
Hubitat
water leak sensor
HT-QA
Rooms
Devices
Dashboards
Apps
Settings
Subscriptions
Developer tools
Apps code
Drivers code
Libraries code
Bundles
Logs
Preferences
Enable debug logging
Enable descriptionText logging
Status attribute for Devices/Rooms
None
Save Preferences
Device Information
Device Name *
Generic Zigbee Moisture Sensor (no temp)
Device Network Id *
edit
8385
Device Label
water leak sensor
Type *
Generic Zigbee Moisture Sensor (no temp)
Zigbee Id
282C02BFFFE7FA5A
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
Documentation
Community
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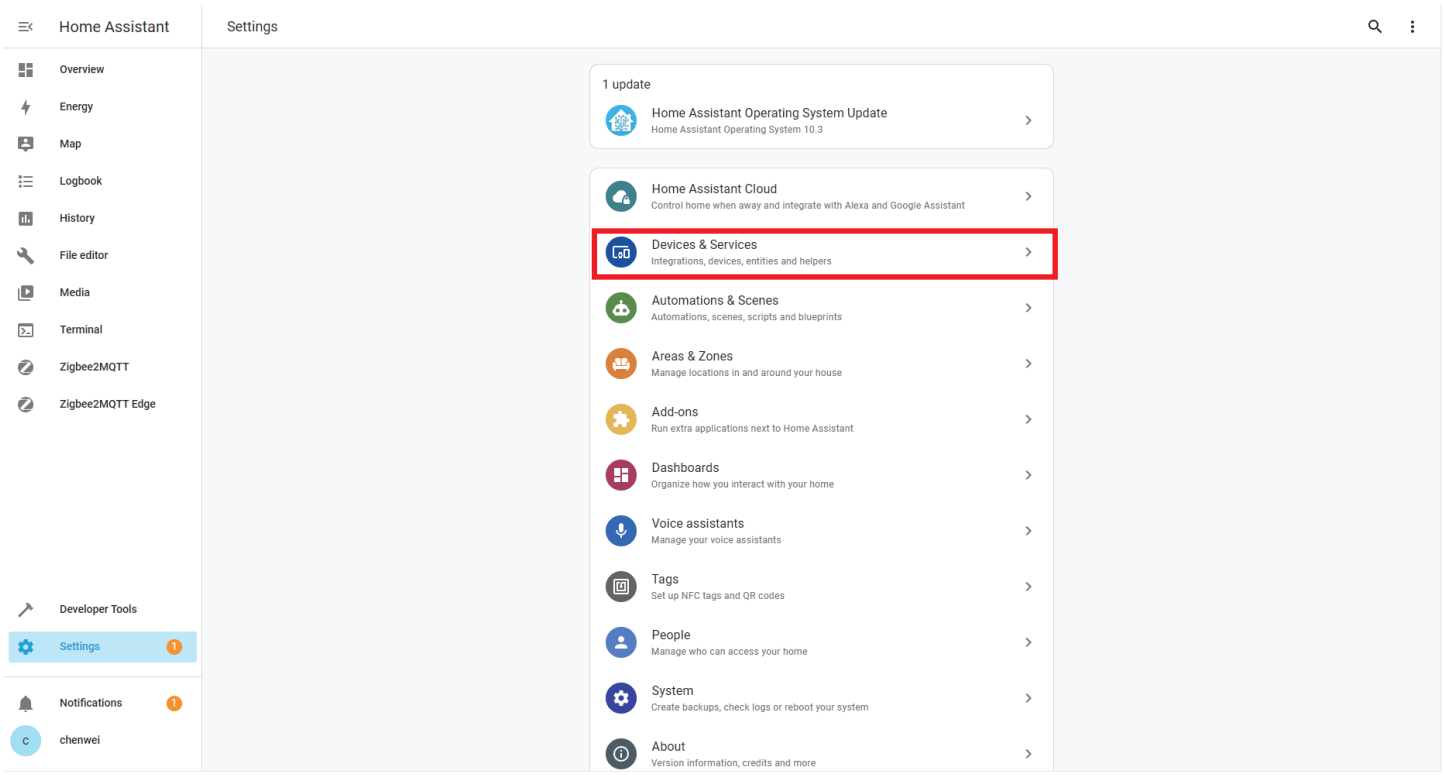
Pairing With Home Assistant

Device: Zigbee dongle

Zigbee Home Automation

1. Use a screwdriver to open the back cover of the sensor, install the batteries, now the sensor is in pairing mode. Long press the reset button (Fig. 1) for 3 seconds to factory reset the sensor and put it into pairing mode again when needed.
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.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Zigbee2MQTT Edge
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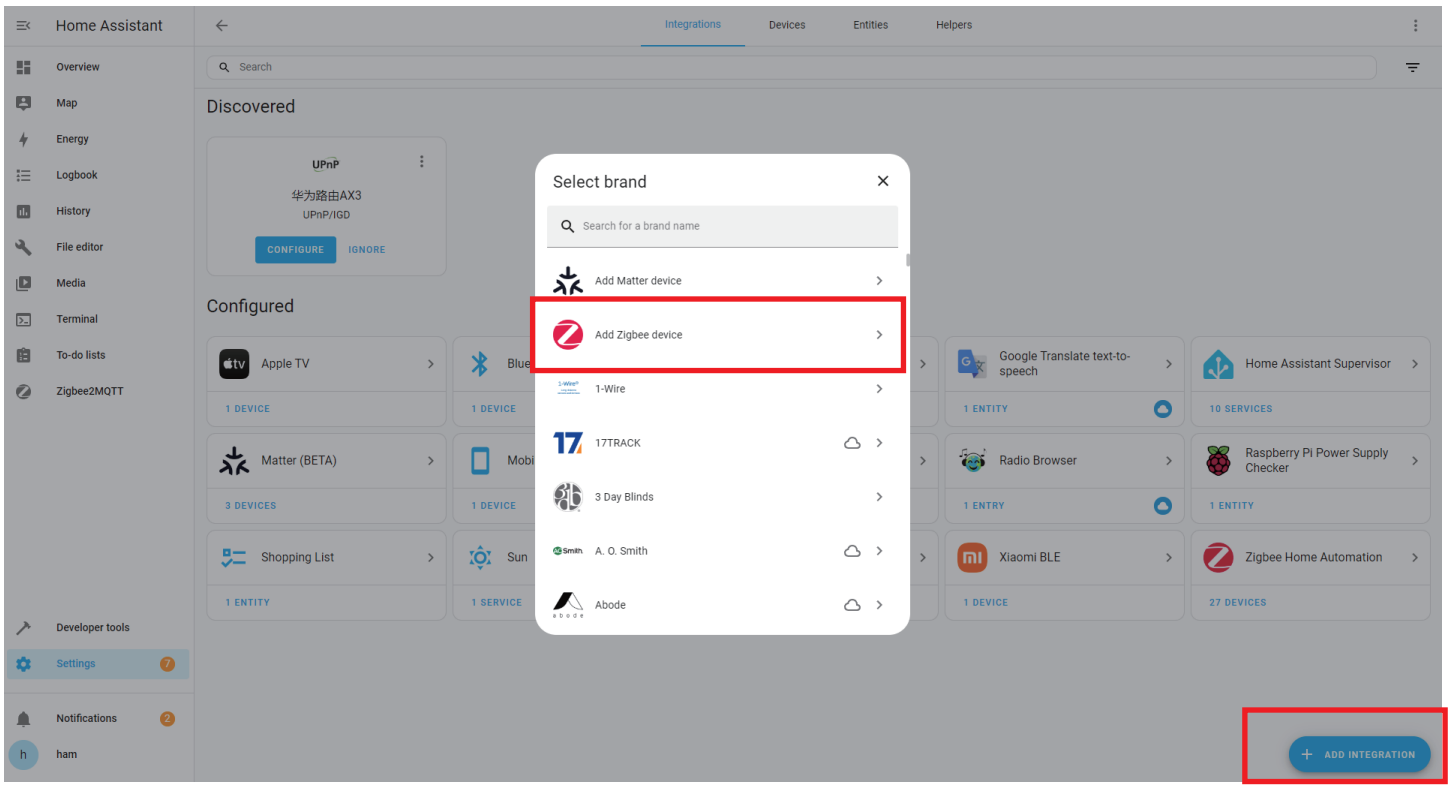
1 update
Home Assistant Operating System Update
Home Assistant Operating System 10.3
Home Assistant Cloud
Control home when away and integrate with Alexa and Google Assistant
Devices & Services
Integrations, devices, entities and helpers
Automations & Scenes
Automations, scenes, scripts and blueprints
Areas & Zones
Manage locations in and around your house
Add-ons
Run extra applications next to Home Assistant
Dashboards
Organize how you interact with your home
Voice assistants
Manage your voice assistants
Tags
Set up NFC tags and QR codes
People
Manage who can access your home
System
Create backups, check logs or reboot your system
About
Version information, credits and more


Home Assistant
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华为路由AX3
UPnP/IGD
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IGNORE
Configured
Select brand
Search for a brand name
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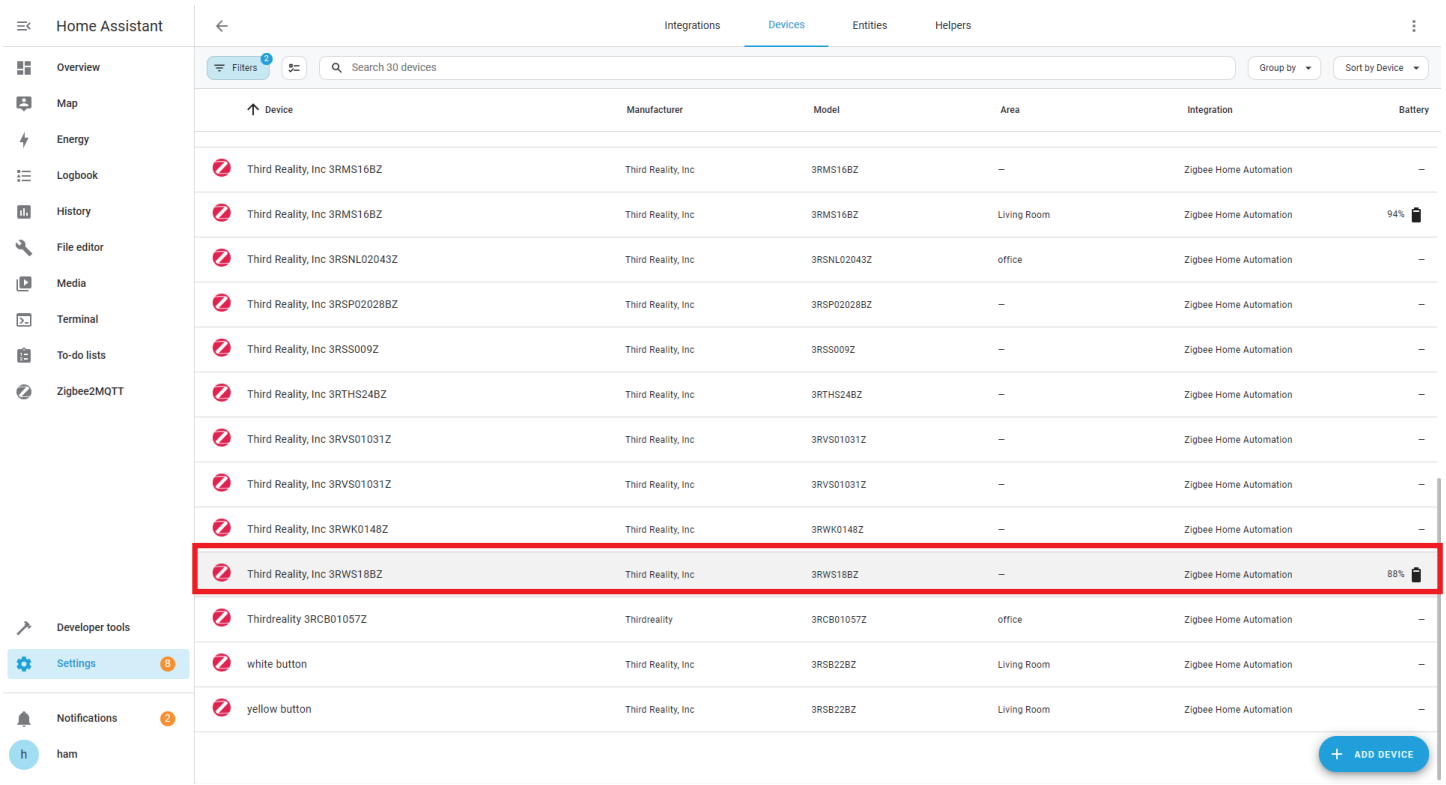
17TRACK
3 Day Blinds
A. O. Smith
Abode
Apple TV
Google Translate text-to-speech
Home Assistant Supervisor
Matter (BETA)
Radio Browser
Raspberry Pi Power Supply Checker
Shopping List
Xiaomi BLE
Zigbee Home Automation
ADD INTEGRATION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Manufacturer
Model
Area
Integration
Battery
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
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Zigbee Home Automation
–
Third Reality, Inc 3RSS009Z
Third Reality, Inc
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Zigbee Home Automation
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Third Reality, Inc 3RTHS24BZ
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Zigbee Home Automation
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Third Reality, Inc 3RVS01031Z
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Thirdreality
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office
Zigbee Home Automation
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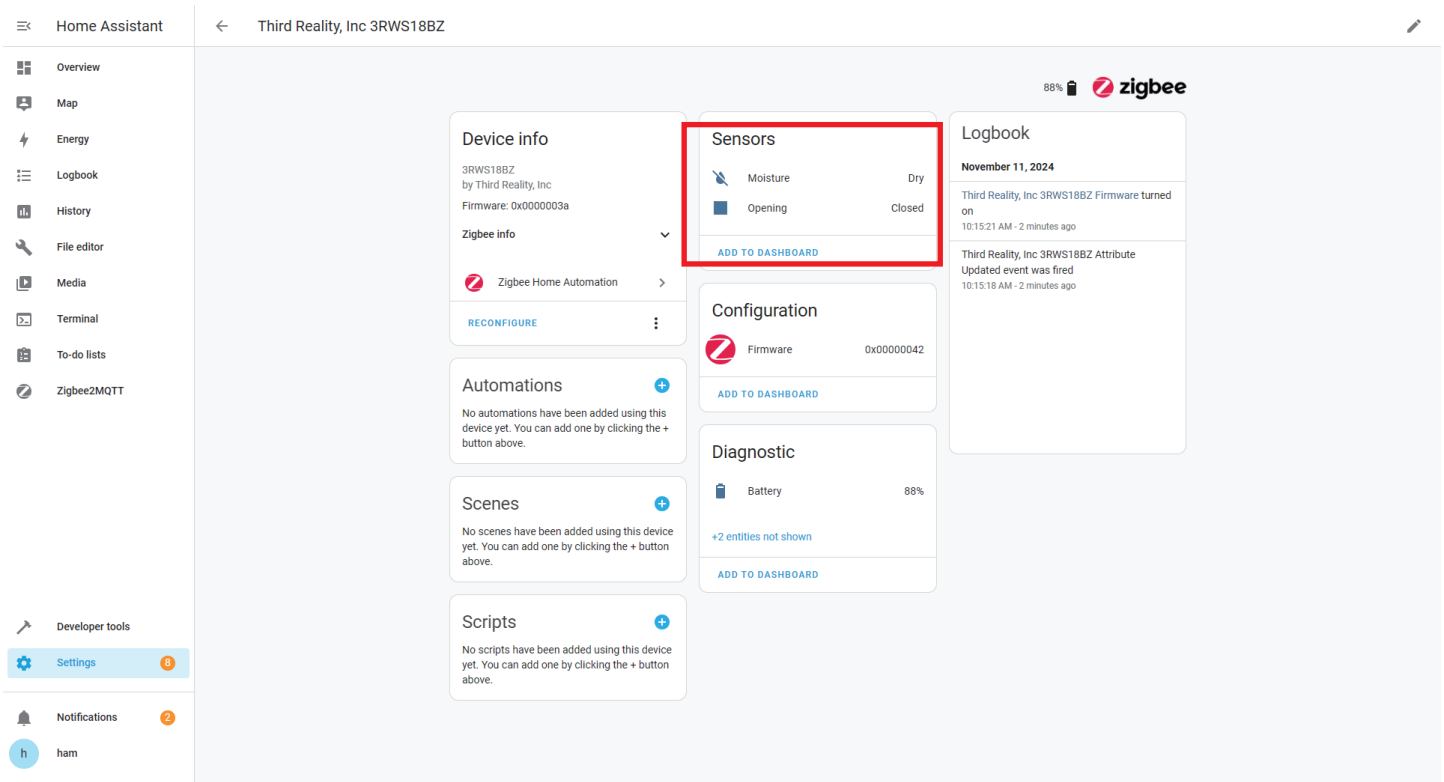
white button
Third Reality, Inc
3RSB22BZ
Living Room
Zigbee Home Automation
–
yellow button
Third Reality, Inc
3RSB22BZ
Living Room
Zigbee Home Automation
–
ADD DEVICE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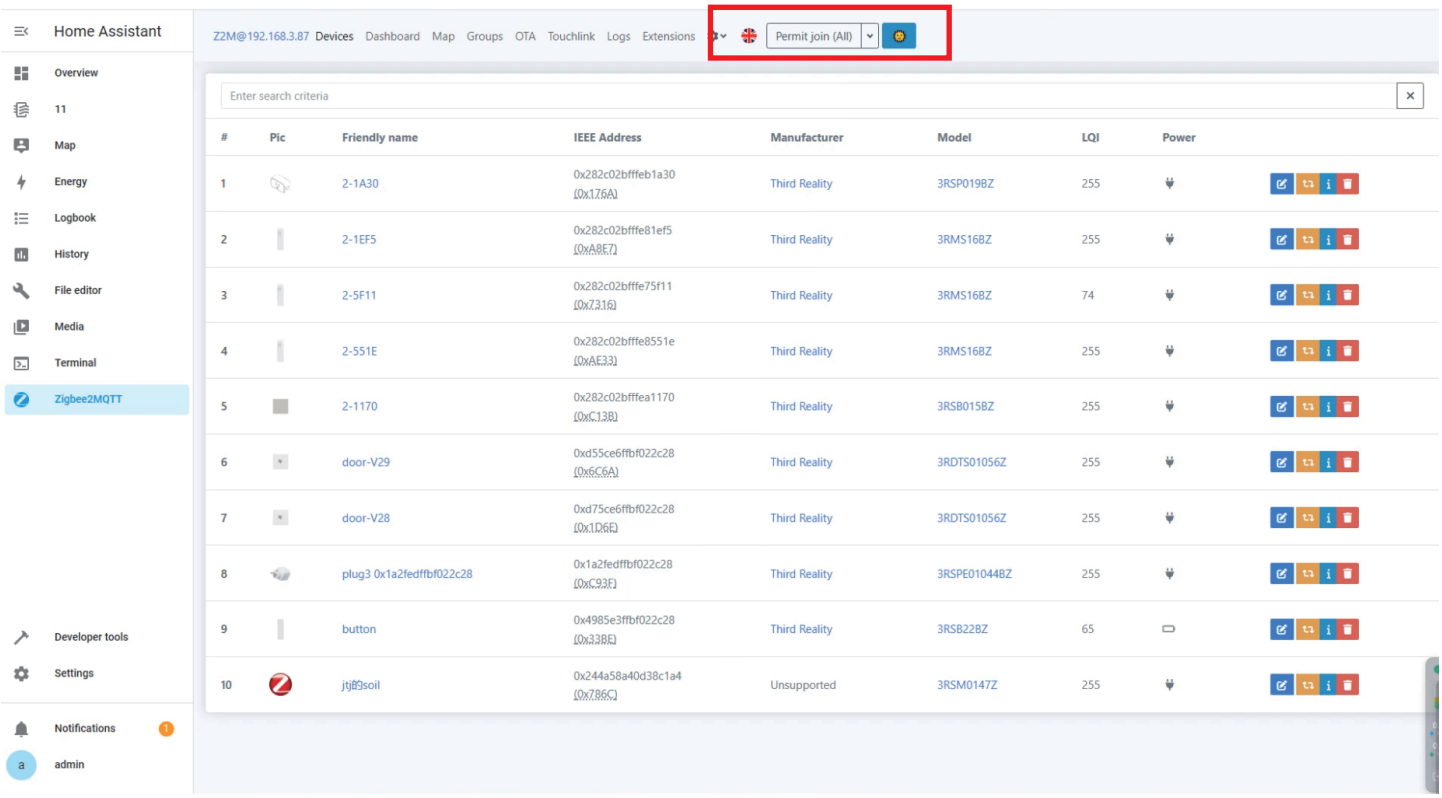
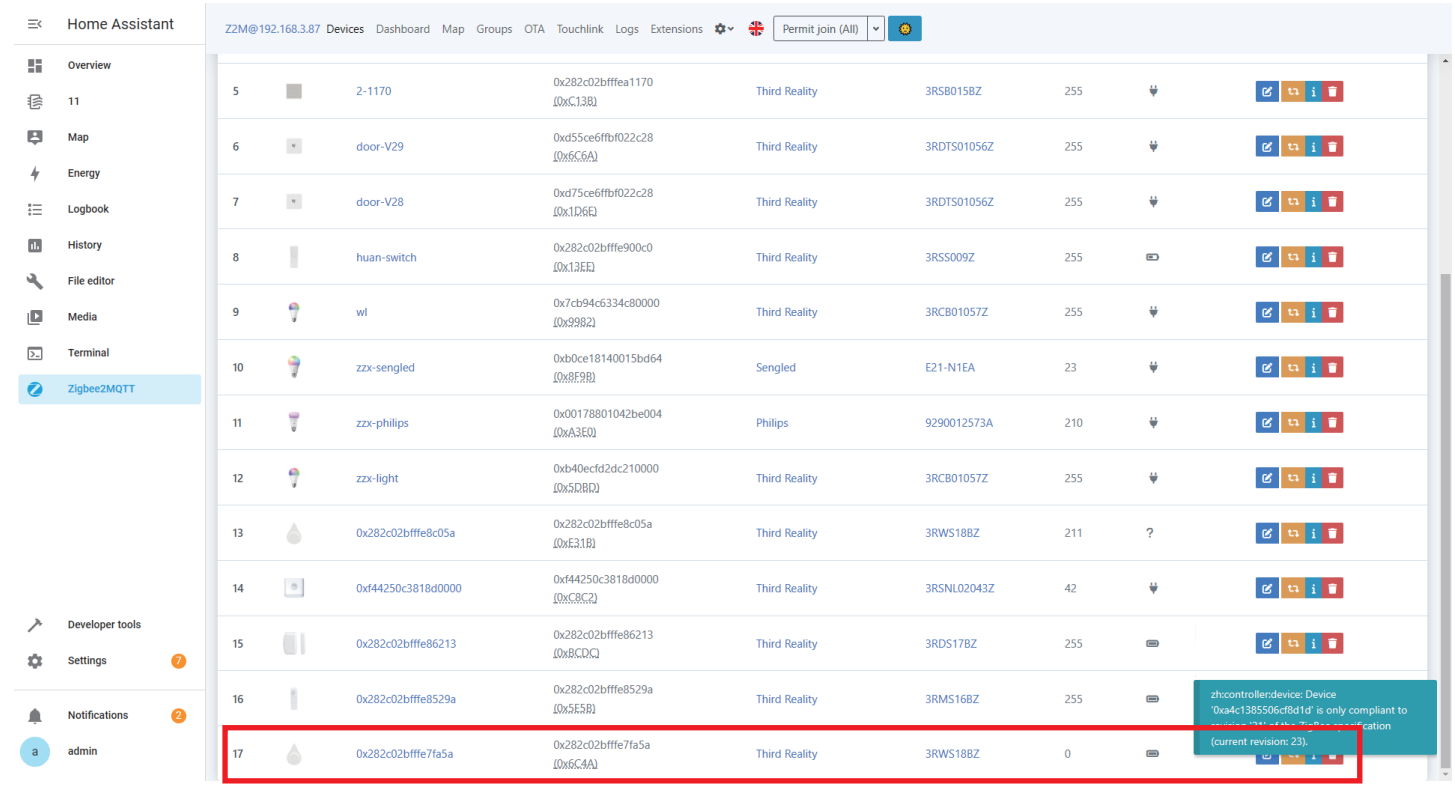
Third Reality, Inc 3RWS18BZ
88%
zigbee
Device info
3RWS18BZ
by Third Reality, Inc
Firmware: 0x0000003a
Zigbee info
Zigbee Home Automation
RECONFIGURE
Sensors
Moisture
Dry
Opening
Closed
ADD TO DASHBOARD
Logbook
November 11, 2024
Third Reality, Inc 3RWS18BZ Firmware turned on
10:15:21 AM - 2 minutes ago
Third Reality, Inc 3RWS18BZ Attribute Updated event was fired
10:15:18 AM - 2 minutes ago
Automations
No automations have been added using this device yet. You can add one by clicking the + button above.
Configuration
Firmware
0x00000042
ADD TO DASHBOARD
Diagnostic
Battery
88%
+2 entities not shown
ADD TO DASHBOARD
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.

Zigbee2MQTT

1. Use a screwdriver to open the back cover of the sensor, install the batteries, now the sensor is in pairing mode. Long press the reset button (Fig. 1) for 3 seconds to factory reset the sensor and put it into pairing mode again when needed.
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.

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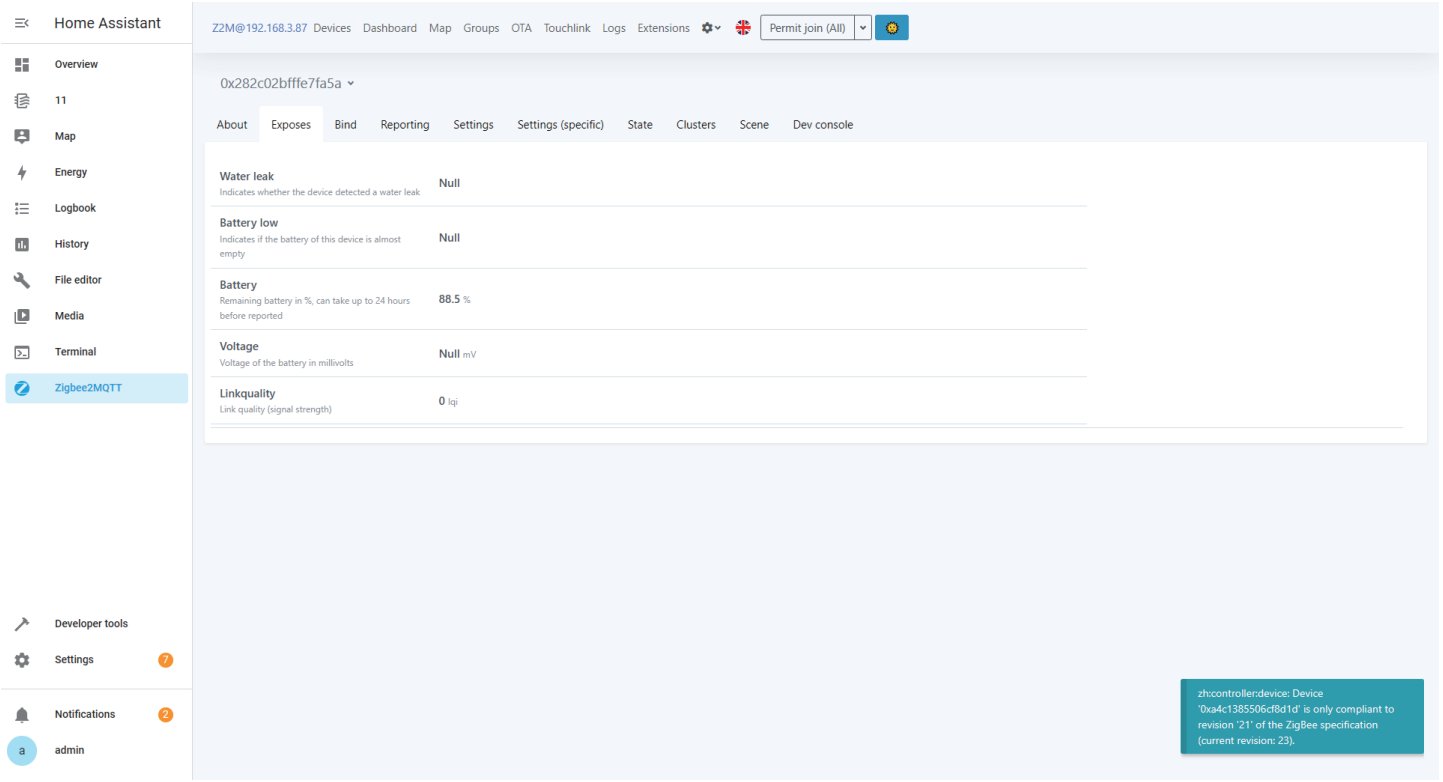
Permit join (All)
5 2-1170 0x282c02bfffea1170 (0xC138) Third Reality 3RSB015BZ 255
6 door-V29 0xd55ce6ffbf022c28 (0x6C6A) Third Reality 3RDTS01056Z 255
7 door-V28 0xd75ce6ffbf022c28 (0x1D6E) Third Reality 3RDTS01056Z 255
8 huan-switch 0x282c02bfffe900c0 (0x13EE) Third Reality 3RSS009Z 255
9 wl 0x7cb94c6334c80000 (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 0x282c02bfffe8c05a 0x282c02bfffe8c05a (0xE31B) Third Reality 3RWS18BZ 211
14 0xf44250c3818d0000 0xf44250c3818d0000 (0xC8C2) Third Reality 3RSNL02043Z 42
15 0x282c02bfffe86213 0x282c02bfffe86213 (0x8CDC) Third Reality 3RDS17BZ 255
16 0x282c02bfffe8529a 0x282c02bfffe8529a (0x5E5B) Third Reality 3RMS16BZ 255
17 0x282c02bfffe7fa5a 0x282c02bfffe7fa5a (0x6C4A) Third Reality 3RWS18BZ 0
zh:controller:device: Device '0xa4c1385506cf8d1d' is only compliant to
(current revision: 23).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Permit join (All)
0x282c02bfffe7fa5a
About Exposes Bind Reporting Settings Settings (specific) State Clusters Scene Dev console
Water leak
Indicates whether the device detected a water leak
Null
Battery low
Indicates if the battery of this device is almost empty
Null
Battery
Remaining battery in %, can take up to 24 hours before reported
88.5 %
Voltage
Voltage of the battery in millivolts
Null mV
Linkquality
Link quality (signal strength)
0 lqi
zh:controller:device: Device '0xa4c1385506cf8d1d' is only compliant to revision '21' of the ZigBee specification (current revision: 23).

Troubleshooting

1. **Why can’ t I connect a water leak sensor to Amazon Echo? I chose the Third Reality sensor because it works with Zigbee hubs.**

   Amazon does not directly support the device type of water leak sensor while it supports motion and door sensors, that is why you can not pair it to your Echo, it can’ t be connected to an Echo device directly even when it has a built-in Zigbee hub. You can use a Third Reality hub, the Aeotec or SamrtThings hub in order to connect the water leak sensor. However, there is a “bug” in Echo V4, if you use it as your Zigbee hub, you can pair the water leak sensor as a motion sensor.

2. **How to factory reset the water leak sensor?**

   - Remove the screws of the water leak sensor.
   - Long press the button inside the sensor, release the button when the red LED turns on. The LED will change to a fast-blinking blue light indicating that the sensor is now ready for setup.

2. **Why is there no notification when the water leak sensor detects a leakage and the siren is triggered?**

   - Go to the water leak sensor details page in the Third Reality app, turn on “Push notification” switch;
   - Go to “Notifications” setting page on your phone, set your phone to receive notifications from Third Reality app.

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.