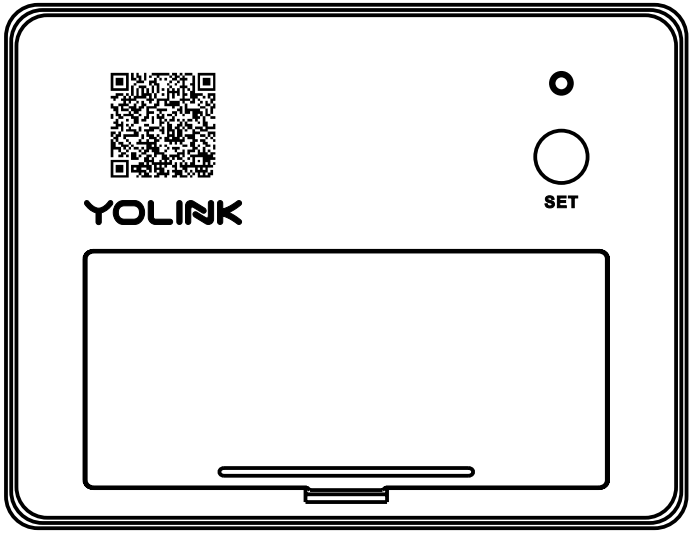

YOLINK

Vibration Sensor

YS7201-UC

Installation & User Guide

Rev 1.0

Thank you for purchasing YoLink products and for entrusting us with your smart home needs! Your 100% satisfaction is our goal. If you experience any problems with setting up your new YoLink Vibration Sensor, please give us a chance to assist you, before returning your purchase.

We at Customer Support are here for you.If you need any assistance installing, setting up or using a YoLink product or our app.

Find additional support and ways to reach us at:

www.yosmart.com/support-and-service

Or scan this QR code with your smartphone

Email us, 24/7 at:

service@yosmart.com

Call us, 9AM to 5PM Pacific Standard Time at:

(949) 825-5958

You may chat with us on Facebook (non-urgent matters):

www.facebook.com/YoLinkbyYoSmart

Sincerely,

Emily, Clair, James, Eric

Customer Support Team

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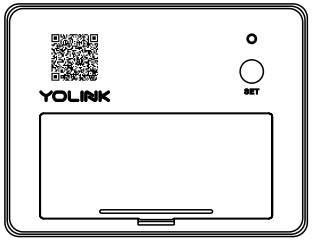
Revised: 09/26/2021

A. In the Box

A. Vibration Sensor

B. Quick Start Guide

A.

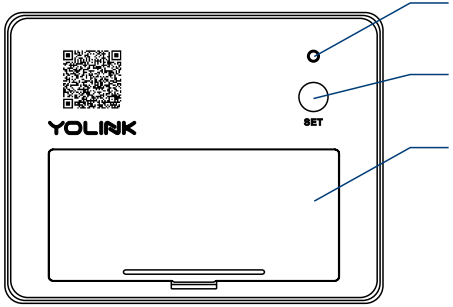


B.

B. Introduction

The Vibration Sensor can be used to detect vibration in an area*, and based on the presence or absence of vibration it can trigger actions by other devices. Actions may include turning on and/or turning off a light, activating a siren and/or sending a notification via the YoLink app. When vibration is detected, the LED will blink red once, and notifications will be sent to you via the YoLink app. Available notification types are: email, SMS/text*, and banner ("push") notifications on your Apple or Android smartphone, each configurable in app settings.

*Applications include but are not limited to: for detection of trespassers/intruders on safe box, gun box, window / door, drawer, mailbox, washing machine and dryer

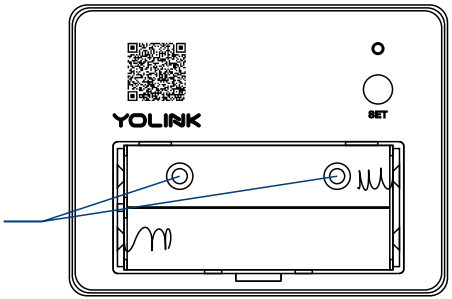


Status LED

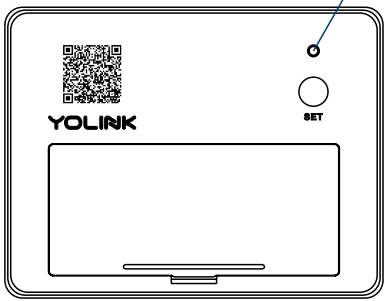
SET Button

Battery Compartment
Includes two AAA non-rechargeable batteries

Mounting Hole
Used for wall-mounting the sensor



The LED light indicates the current status of the Vibration Sensor:



Blinking Red Once, then Green Once
Device Turned On

Blinking Red And Green Alternately
Restoring to Factory Defaults

Blinking Green
Connecting to Cloud

Slow Blinking Green
Updating

Fast Blinking Green
Establishing Connection with YoLink System (YoLink *Control*)

Blinking Red Once
Device Alerts or Device is Connected to the Cloud and is Functioning Normally

Fast Blinking Red
Removing Connection to YoLink System (YoLink *Control*)

Fast Blinking Red Every 30 Seconds
Batteries are Low; Please Replace the Batteries (see page 25)

C. Set Up

C-1. Set Up - First-Time YoLink Users (*Existing users proceed to **C-2. Add Device**, next page*)

1. Download the YoLink app through Apple App Store or Google Play Store (Search in the store or use the QR code on the right)

Apple iPhone or tablet that is iOS 9.0 or higher, or an Android phone or tablet that is Android 4.4 or higher

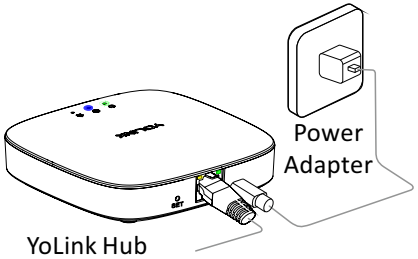
---

2. Log in to the YoLink app

Create a new account if required

---

3. The YoLink Hub is required to set up your Vibration Sensor. Please set up your YoLink Hub first (refer to YoLink Hub manual)



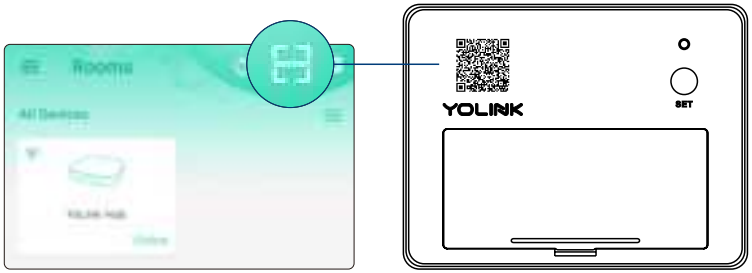
1. Make sure your Hub is connected to the internet (green LED indicator is blinking, blue LED indicator is always on)

2. Ethernet patch cable (included) to your network (router, switch, etc.), recommended. Otherwise connect your Hub to your home 2.4 GHz Wi-Fi network (only when necessary). Refer to the Hub set up manual for more information:

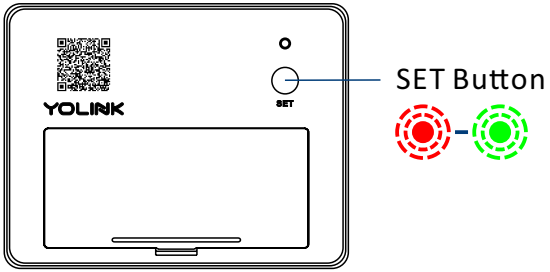
YS1603-UC User Guide

C-2. Add Device

1. Tap " ⊡ " button, then scan QR Code on the device. Follow the steps to add the device



2. Press the SET button (on front of the device) once to turn on the device. The Status LED will blink red once, then green several times, indicating your device has connected to the cloud and is ready to use



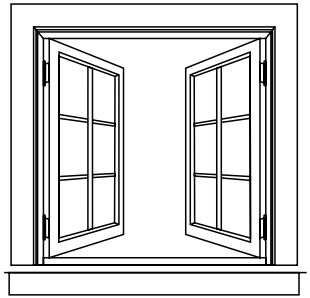
1. You will need to press the SET button once again if the device failed to connect to the cloud
2. Pressing the SET button at any other time after this initial process will result in the LED blinking red once, only. This indicates the device is connected to the cloud and is functioning normally
3. If the red LED does NOT blink as noted this may indicate a problem with the sensor. Please see the troubleshooting section and the contact section for technical support

D. Installation

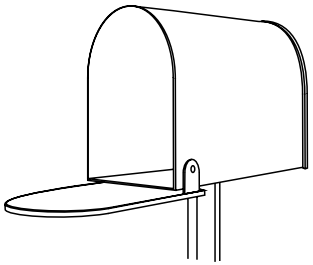
⚠ D-1. Test the Vibration Sensor Location Before Installation

- Test your vibration sensor location before affixing it to the surface. Use masking or painters tape to secure the sensor to the surface. Once you have the sensor temporarily mounted, test it out. With the app in hand, vibrate the detection area while observing the status of the sensor as shown on the app (Vibration Detected or No Vibration Detected). Optionally, you may set up your automation (e.g. turn on a light on vibration detection) to functionally test the vibration - proceed to the following steps for information on creating automations, then return to this step
- The vibration sensor can be installed in several ways. It can be affixed to the object via 3M mounting tape (included), it can be mounted to the object via screws (not included), or it can be placed in or on an object. Other methods may void the warranty (e.g. glue, epoxy).
- You can adjust the device sensitivity to reduce false alerts. Determine if the sensitivity is too low or too high during your functional test. If the sensor triggers false alerts, you can reduce the sensitivity. If the sensor does not respond to a condition that should trigger an alert, increase the sensitivity. After adjusting the sensitivity, always perform a functional test.
- The vibration sensor is not waterproof and is designed and intended only for indoor use

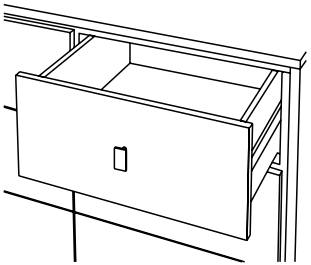
D-2. Applications



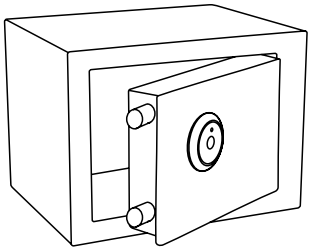
Window



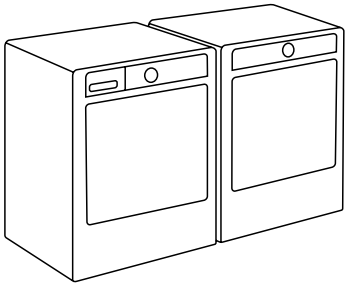
Mail Box



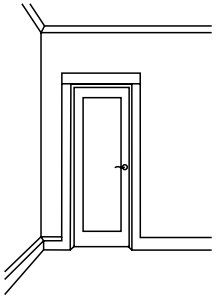
Drawer



Safe (and Gun) Box



Washer & Dryer



Door

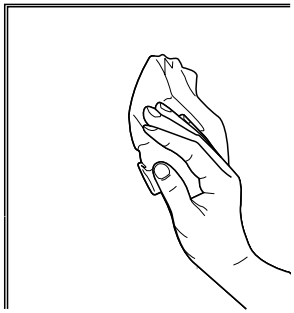
Factors such as temperature can adversely impact the operation of the sensor. Using the sensor outdoors and/or in environmental conditions outside those listed in the Environmental section of the manual (page 26) is discouraged. Additionally, the warranty does not cover the device getting wet.

D-3. Begin Installation

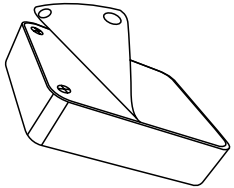
D-3-1. Method A: Install the Vibration Sensor with double-sided tape on the back of the device

> ! Double-sided mounting tape is very difficult to remove. Use caution mounting the device to delicate surfaces

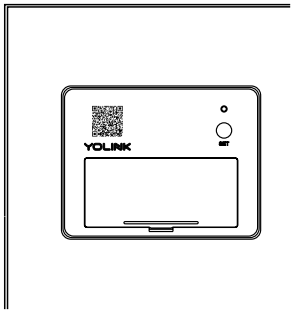
1. Find a suitable location for the sensor. Clean the surface well and allow it to dry. The surface must be free of moisture, dirt, oil, grease or cleaning chemicals



2. Remove the protective plastic from the tape by peeling back from a corner

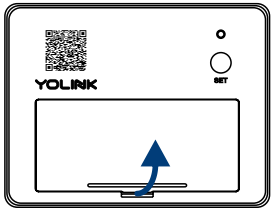


3. Place the sensor at the desired location, pressing firmly for at least 5 seconds

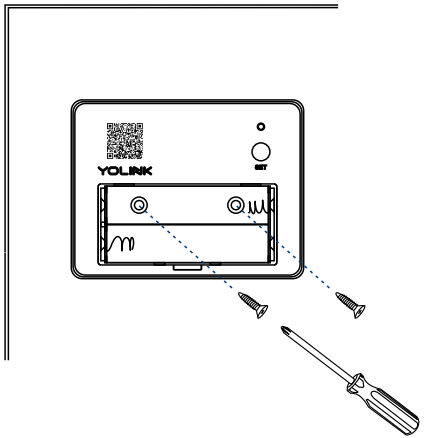


D-3-2. Method B: Mount the Vibration Sensor to the surface with screws (*not included*)

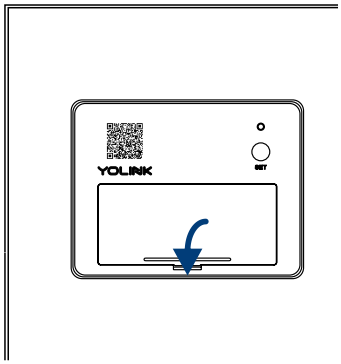
1. Open the battery cover and remove the batteries to gain access to the mounting holes on the back of the sensor



2. Mount the sensor to the desired location using screws



3. Reinstall the batteries and close the battery cover

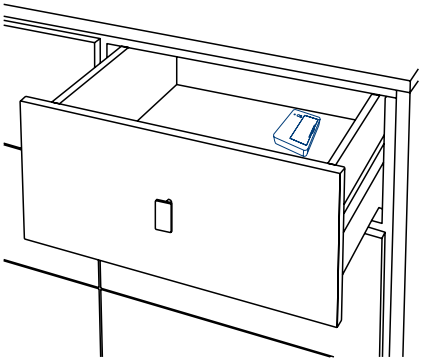


D-3-3. Method C: Place in or on an object you want to monitor

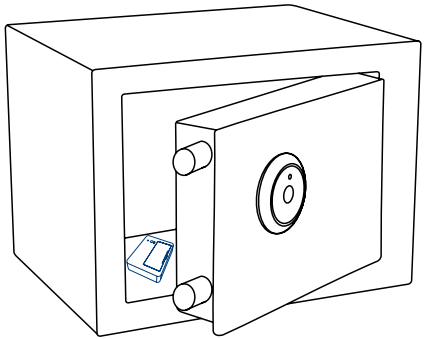
Place, affix or install the sensor at a location most-likely to detect the monitored condition. Mounting the sensor on the door or lid of a box or cabinet will detect vibration faster than only if placed inside the box or cabinet

Examples

1. In a drawer

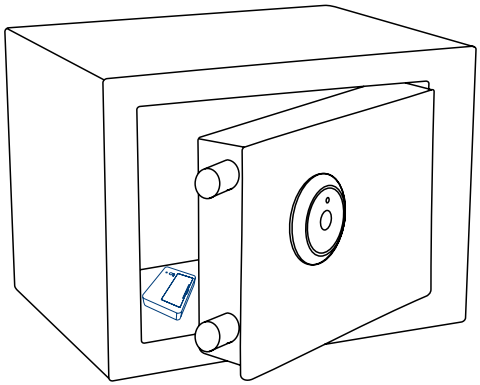


2. In a storage box, safe, security box, or cabinet



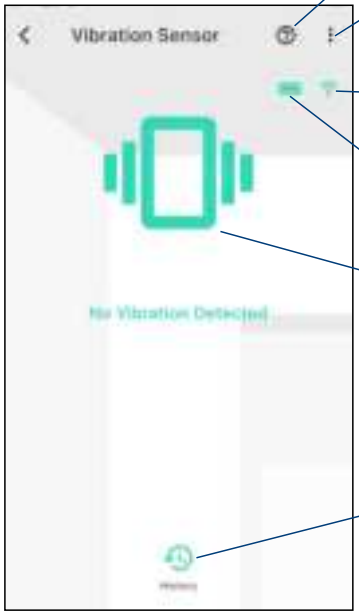
D-4. Test the Vibration Sensor

- It is best to perform a 'functional test' of the sensor. For example, if an alert is desired when a firearm storage box is opened, for your functional test you should open the box. In this example, it is suggested to test opening the box when it is unlocked. This would provide protection of the box even if it was left unlocked
- Have the app open while performing testing. Confirm the corrects response of the sensor
- Adjust the sensor sensitivity as needed. Always perform a functional test, if possible, after adjusting the sensitivity



E. Using the YoLink App

E-1. Device Page



- Tap to get device manual link, feedback, contact us information, etc.

Details

- Tap to go to Details page(refer to page 13 & 14)

Connection Status

of Vibration Sensor and Hub

Battery Level of Vibration Sensor

- Shown red if battery level is low

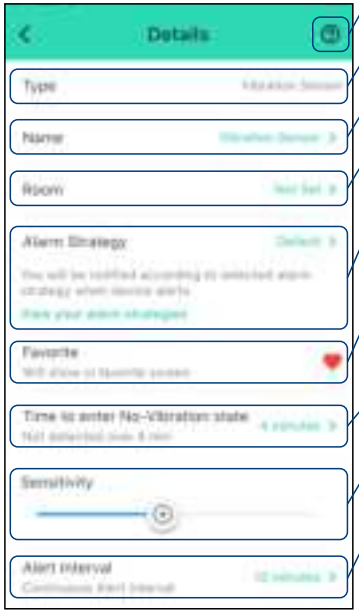
Real-time status of Vibration Sensor:

No vibration detected or vibration detected

Device alert history

Vibration detected and cleared events, logged with date & time

E-2. Details Page



- Tap to get device manual link, feedback, contact us information, etc.

a. Device Type

b. Rename the Device

c. Choose a Room for device

d. Alarm Strategy
- Select an alarm strategy for the device, default is Alarm Strategy (Default)

e. Add/Remove from favorites

f. Restore Device to normal monitoring status after no vibration detected for a set time
- Default is set to be 1 minute

g. Switch Sensitivity of detection for the Vibration Sensor

h. Send Notification to you when the vibration is detected again after a set time

After changing "Time to enter No-Vibration State" and / or "Sensitivity" settings, press the device's SET button once, to sync the new settings to the device. Otherwise, the device will automatically update within 4 hours (maximum)

i. Real-time Status: Normal, Warning

j. Device Model

k. Device EUI (unique)

l. Device SN (unique)

m. Temperature Value

- Updates when:

1. SET button pressed

2. On a device alert

3. Batteries are replaced

4. Automatically within 4 hours maximum

n. Connection Status of sensor and Hub

o. Current Battery Level

- Shown red if battery level is low

p. Firmware Version

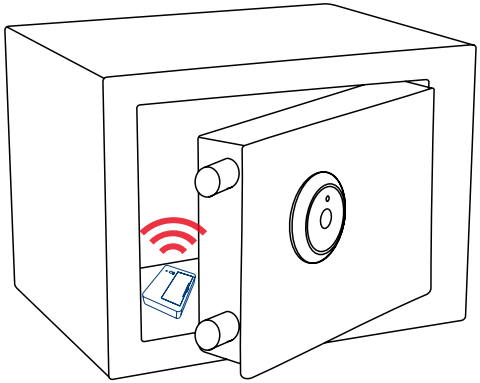
- "#### ready now" indicates a new update is available (refer to page 23)

q. Remove Device From Current Account

- Tap to delete the device from your YoLink account

E-3. Device Alerts

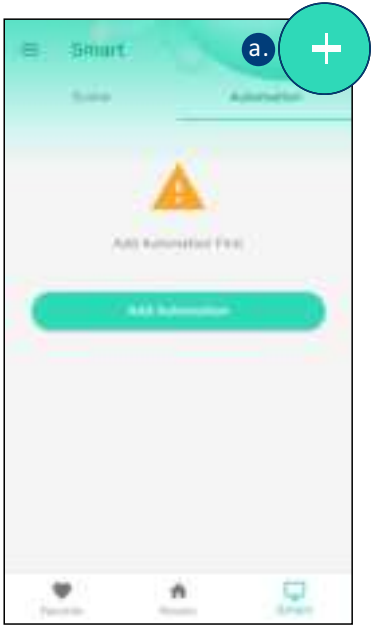
- Enable alerts in device settings to use your vibration sensor for intrusion detection or other critical functions. Upon the detection of vibration, an alert will be sent to your YoLink account



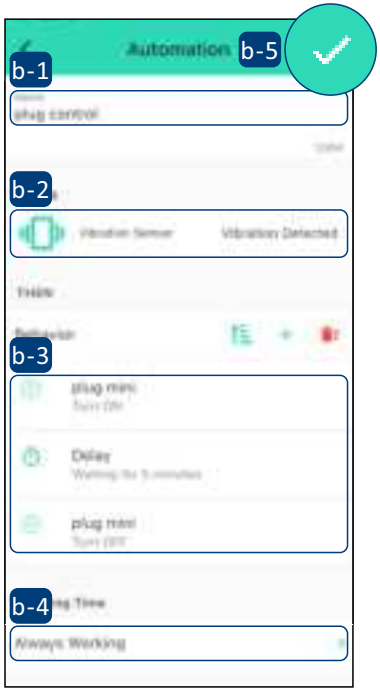
E-4. Automation

- Go to the “Smart” screen, tap “Automation”

> Vibration Sensor can be set as a trigger only, with two trigger options: Vibration Detected; No Vibration Detected



a. Tap the “+” icon to add an automation



b. Add an automation

b-1 Edit name
b-2 Edit trigger
b-3 Edit behavior *(You must have at at least one action device, or you cannot set a behavior)*
b-4 Edit when *(Set a time range for the automation: always or during specific days or times)*
b-5 Tap to save the settings

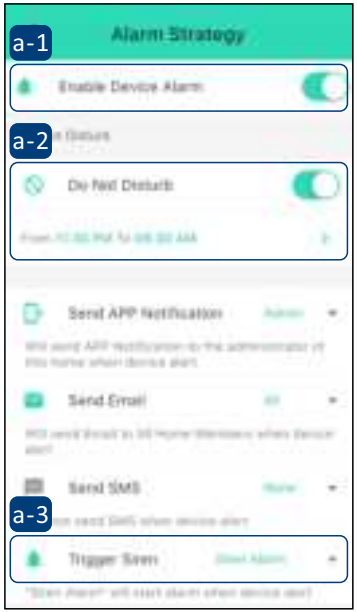
c. Click to edit the automation

1. Tap “ ” button to enable or disable the automation
2. Swipe left to view the history logs and to edit or delete the automation

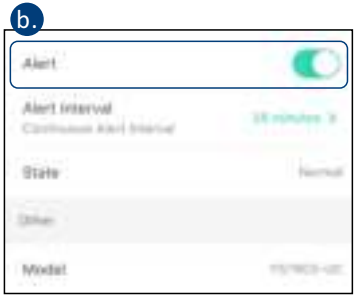
E-5. Alarm Strategy

Set up rules to activate scene or alarm when a device alert is detected (such as Vibration Sensor, Water Leak Sensor, Motion Sensor, etc.). Follow instructions below to enable Device Alert first

- Tap " ☰ " in the upper left corner to go to My Profile
- Go to **Settings** > **Alarm Strategy** for notifications preferences settings *(Only support Host account)*

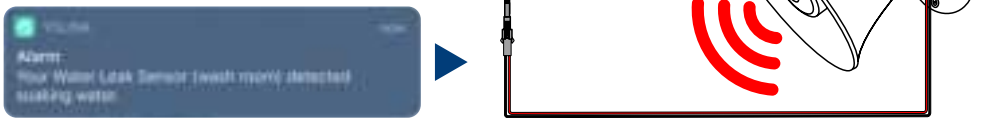


a. Alarm Strategy Settings
a-1 The alarm strategy should be <u>enabled</u>
(Notification will be sent)
a-2 Notification will not be sent during the Do Not Disturb time
a-3 Select a siren alarm (controller)



b. Device Alert should be <u>enabled</u>

c. Siren Horn or other alarm device will be activated when an alert is received



E-6. Third-Party Services

With third-party services connected to your YoLink account, your vibration sensor can trigger automations, routines and applets with smart home/IoT devices and services from third-party (non-YoLink) brands

- Tap " ☰ " in the upper left corner to go to My Profile
- Go to **Settings > Third-Party Services** and select the applicable service
- Follow the instructions, to authorize and add the connection to your YoLink account

> ! Refer to the associated app or website for additional information specific to the third-party service. Additional information may also be found on our website at **www.yosmart.com/support-and-service** or by contacting Customer Support (refer to page 30 for contact information)

E-6-1. IFTTT

The YoLink Vibration Sensor events can be used as a trigger for custom applets. Visit **www.ifttt.com** for more information and pricing

F. About YoLink *Control*

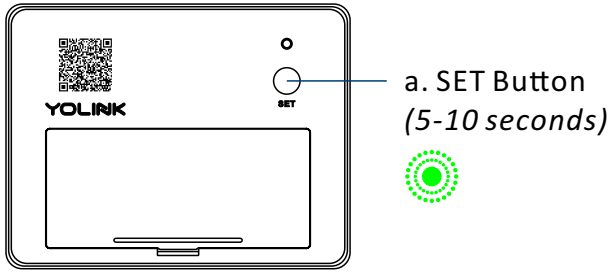
YoLink *Control* is our unique device-to-device control technology. Using YoLink *Control*, YoLink devices can be controlled without the Hub or an internet connection. (Use of YoLink *Control* is optional; you can use the Automation feature in the app OR use YoLink *Control*, but YoLink *Control* offers the benefit of operation without the Hub or internet connection.)

One device controls another, directly. A device that sends out commands is called the controller. A device that receives the commands is called the responder. Examples of a controller are a Vibration Sensor or Water Leak Sensor, while examples of a responder are a Siren or a YoLink Relay

The YoLink Vibration Sensor can work as the controller of YoLink *Control*

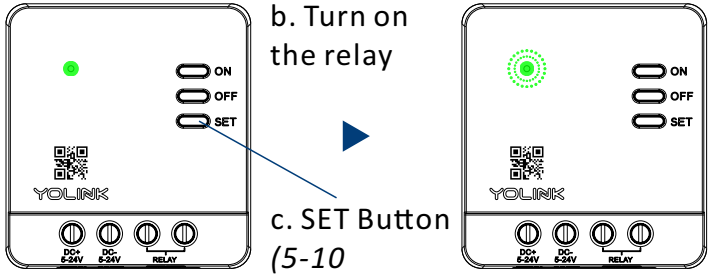
F-1. Pairing

1. To configure your Vibration Sensor as a controller. Press and hold the SET button for 5-10 seconds until the LED quickly blinks green, then, release the button



2. To configure a YoLink Relay as the responder, turn on the relay using ON button or via YoLink app (verify the Status LED of YoLink Relay displays green). Press and hold the SET button for 5-10 seconds until the LED quickly blinks green, then release the button

3. Upon pairing, the LED will stop blinking (this may happen after only blinking two or three times)

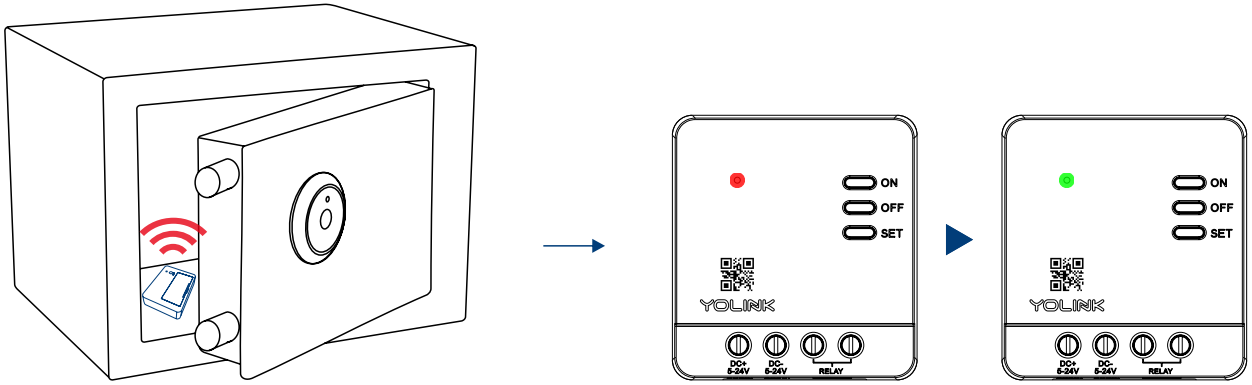


Refer to the YoLink Relay manual for more information: YS5706-UC YoLink Relay

1. If you want to turn off the YoLink Relay when vibration is detected, turn off the YoLink Relay first , and let it enter pairing mode
2. For the same Vibration Sensor and YoLink Relay, you can only choose to either turn on or turn off the YoLink Relay when a vibration is detected

Operation

- When the Vibration Sensor detects vibration or impact, the YoLink Relay will now immediately turn on. The relay will remain turned on until turned off using the OFF button or via the app
- More advanced sequences, controlling multiple outputs (e.g. turn off plug and activate siren) are available via the YoLink app



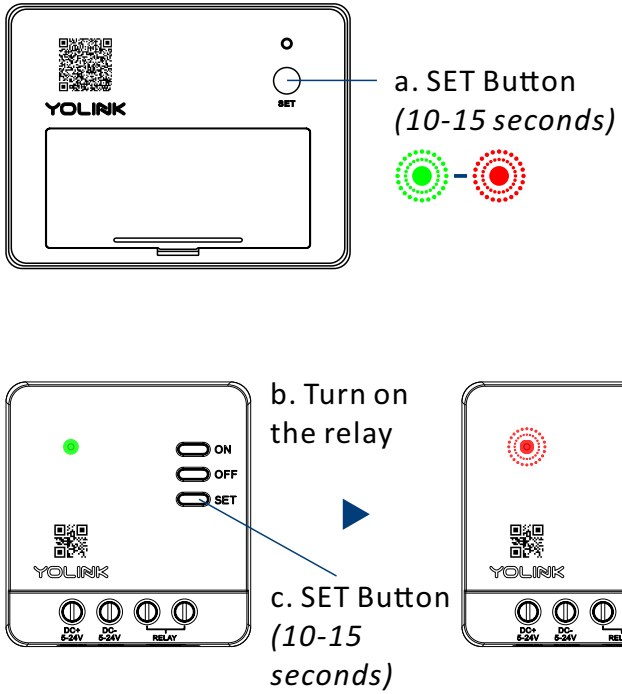
Vibration detected

Turned off

Turned on

F-2. Unpairing

1. At the Vibration Sensor (controller), press and hold the SET button for 10-15 seconds until the LED quickly blinks green, then red, then, release the button
2. At the YoLink Relay (responder), press and hold the POWER button for 10-15 seconds, until the LED quickly blinks green, then red, then, release the button
3. Upon un-pairing, the Vibration Sensor LED will stop blinking and turn off, and the YoLink Relay LED will stop blinking and return to the previous color (green for turned on, red for turned off)
4. The YoLink Relay will no longer respond when the vibration is detected

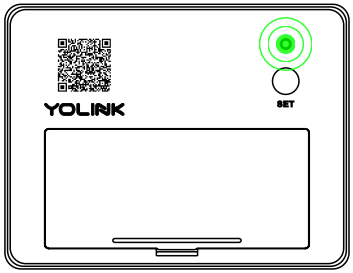


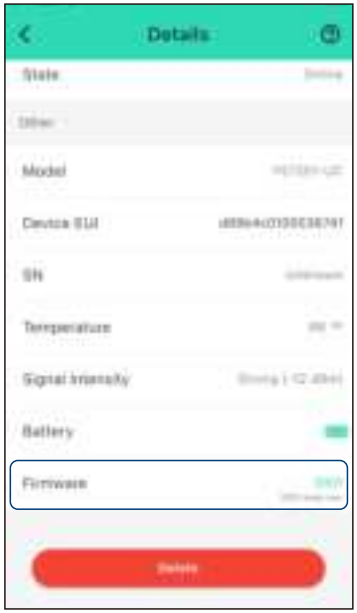
G. Maintenance

G-1. Firmware Update

To ensure our customers have the best user experience, we highly recommend you update to the newest version firmware when an update is available

- In “Firmware”, if a new version is listed as available (#### ready now), click it to start the firmware update process
- The device’s firmware will be updated automatically within 4 hours (maximum). To force an immediate update, press the SET button on the device once to make the device enter update mode
- You may use your device during the update as it is performed in the background. The LED light will slowly blink green during the update and the process will be complete within 2 minutes after the light stops blinking

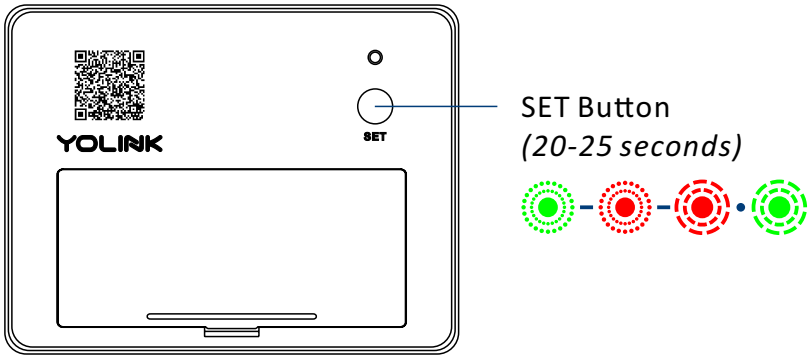




G-2. Factory Reset

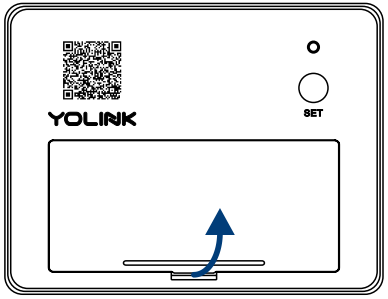
Factory reset will erase all of your settings and restore it to factory defaults. After the factory reset, your device will remain in your Yolink account

- Hold the SET button for 20-25 seconds until the status light blinks red and green alternately, then, release the button (*Hold the SET button longer than 25 seconds will ABORT the factory reset operation)*
- Factory reset will be complete when the status light stops blinking

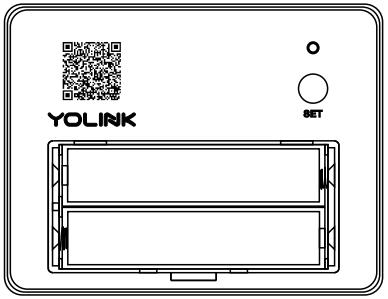


G-3. Replacing the Batteries

1. Remove the battery cover by gently prying with your fingertip or tool at the edge as shown

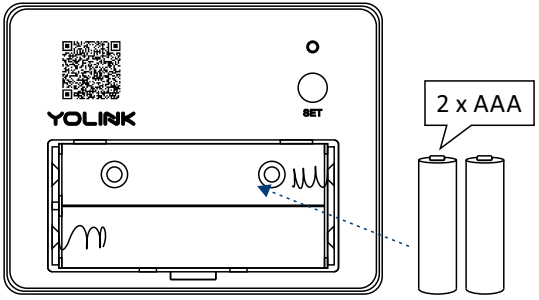


2. Remove the old batteries

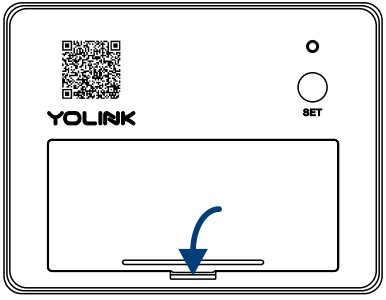


3. Install two new alkaline non-rechargeable AAA batteries

> ! Do not mix old and new batteries



4. Close the battery cover



5. Using the app, check the online status of the sensor and verify there is no low-battery indicator

H. Specifications

Voltage:	3V DC (2 - alkaline non-rechargeable AAA batteries)
Device Current Draw:	≤ 135mA (operating), ≤ 15uA (standby)
Dimensions:	2.56 x 1.97 x 0.69 inch (65 x 50 x 16 millimeters, L x W x D)
RF Protocol:	LoRa
Environment:	Temperature: -4°F - 122°F (-20°C - 50°C) *(optimal for 5 year battery life: 32°F - 122°F (0°C - 50°C))* Humidity: ≤ 95% non-condensing

I. Troubleshooting

Symptom:

1. Device is offline or no alert received from vibration/no vibration events

- If sensor is not connected to the cloud, press the SET button on Vibration Sensor once
- If Hub is offline, reconnect the Hub to the Internet and press the SET button on Vibration Sensor once
- If Hub is not on, power on the Hub again and press the SET button on Vibration Sensor once
- If sensor is out of range with Hub, relocating the Vibration Sensor or Hub may be required
- For a device with low-battery indicators or alerts or if the condition of the batteries is in question, replace the batteries with two premium “AAA” alkaline batteries

2. Other issues, contact customer service, **1-949-825-5958 (M-F 9am - 5pm PST)** or email 24/7 at **service@yosmart.com**

J. Warning

- Please install, operate and maintain the Vibration Sensor only as outlined in this manual. Improper use may damage the unit and/or void the warranty
- Use only new, name brand, alkaline non-rechargeable AAA batteries
- Do not use rechargeable batteries
- Do not use zinc blend batteries
- Do not mix new and old batteries
- Do not puncture or damage batteries. Leakage can cause harm on skin contact, and is toxic if ingested
- Do not dispose of batteries in fire as they may explode! Please follow local battery disposal procedures
- Do not install or use the sensor outside of the temperature and humidity range listed in the Environmental section in Specifications, on page 26. Lithium non-rechargeable batteries, operating in a wider temperature range, are recommended for applications on the hotter or colder end of the device's operating range (device environmental limitation can be extended to the range of -4°F - 140°F (-20°C - 60°C))
- This device is not waterproof and is designed and intended only for indoor use. Subjecting this device to outdoor environment conditions such as direct sunlight, extreme hot or cold temperatures, rain, water and/or condensation can damage the device and will void the warranty
- Do not install or use this device where it will be subjected to high temperatures and/or open flame

- If your Vibration Sensor gets dirty, please clean it by wiping it down with a clean, dry cloth. Do not use strong chemicals or detergents, which may discolor or damage the exterior and/or damage the electronics, voiding the warranty
- Do not install or use this device where it will be subjected to physical impacts and/or strong vibration. Physical damage is not covered by the warranty
- To avoid damaging the device, if storing the device for an extended period, remove the batteries
- Please contact Customer Service before attempting to repair, disassemble or modify the device, any of which can void the warranty and permanently damage the device

If you have any difficulties installing or using YoLink products, please contact our Customer Service department during business hours:

US Live Tech Support: **1-949-825-5958** M-F 9am - 5pm PST

Email: **service@yosmart.com**

YoSmart Inc. 15375 Barranca Parkway, Ste G-105 Irvine, CA 92618, USA

Warranty 2 Year Limited Electrical Warranty

YoSmart warrants to the original residential user of this product that it will be free from defects in materials and workmanship, under normal use, for 2 year from the date of purchase. User must provide a copy of original purchase receipt. This warranty does not cover abuse or misused products or products used in commercial applications. This warranty does not apply to devices that have been improperly installed, modified, put to a use other than designed, or subjected to acts of God (such as floods, lightning, earthquakes, etc.). This warranty is limited to repair or replacement of the device only at YoSmart's sole discretion. YoSmart will NOT be liable for the cost of installing, removing, nor reinstalling this product, nor direct, indirect, or consequential damages to persons or property resulting from the use of this product. This warranty only covers the cost of replacement parts or replacement units, it does not cover shipping & handling fees

To implement this warranty please give us a call during business hours at 1-949-825-5958, or visit www.yosmart.com

FCC Caution

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. Any 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.