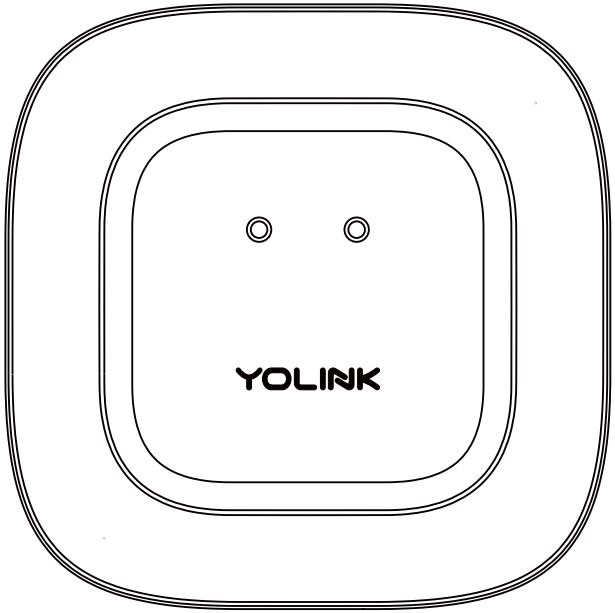


YOLINK

Water Leak Sensor

YS7903-UC, YS7903-EC

User Guide

Rev 1.1

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 Water Leak 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,

Queenie, Clair, James, Eric

Customer Support Team

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Revised: 05/08/2021

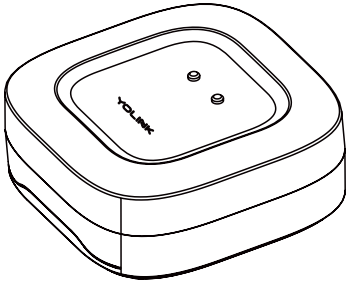
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A. In the Box

A. Water Leak Sensor

B. Quick Start Guide

A.

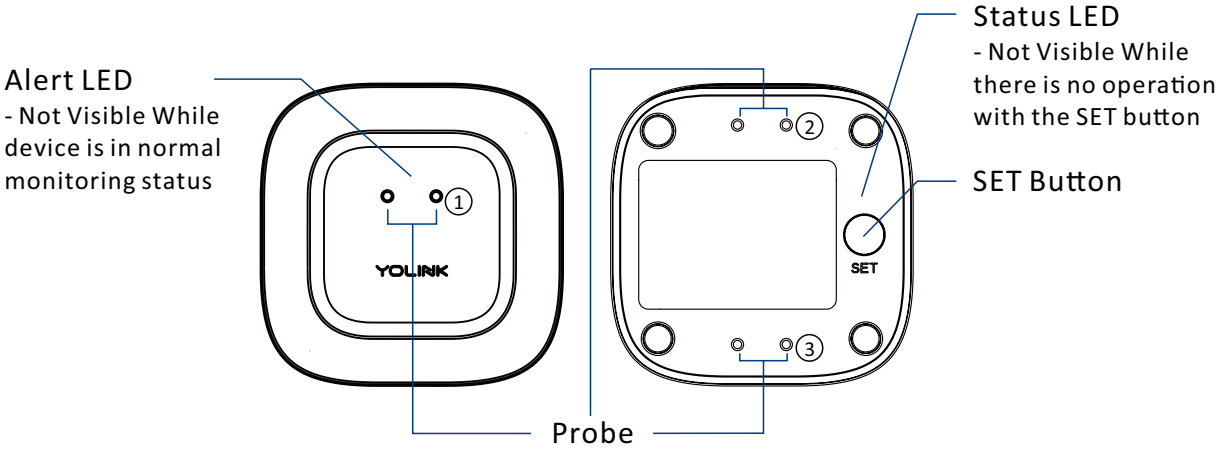


B.

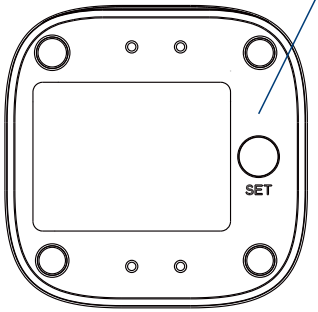


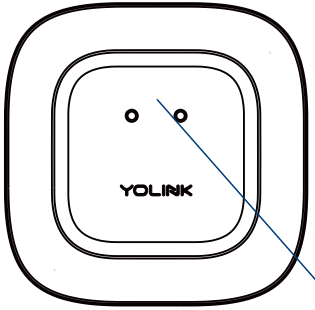
B. Introduction

The Water Leak Sensor is a water detector, and can provide you with an early warning of water leaks or flooding before major damage occurs. Water between any one of the three pairs of probes (see illustration) triggers an immediate response from the sensor. Upon the detection of water, the sensor LED will blink red, and notifications will be sent to you via the YoLink app. (Available notification types are: email, text/SMS and banner notifications on your Apple or Android smartphone, each configurable in app settings.)



The LED light indicates the current status of the sensor:





Status LED

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 is connected to the cloud and is functioning normally

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

Alert LED

Blinking Red Every 5 Seconds
Leak or Flooding Warning

Fast Blinking Red Every 30 Seconds
Batteries are low; please replace the batteries (see page 19 & 20)

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)

Available on the App Store

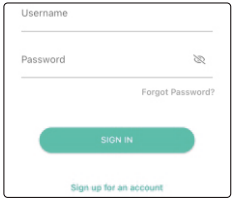
Google Play

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

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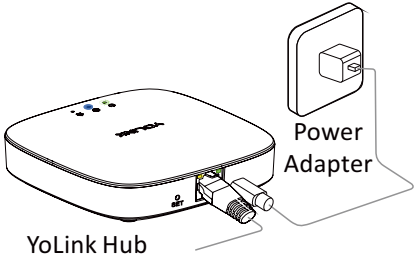
2. Log in to the YoLink app

> Create a new account if required



---

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

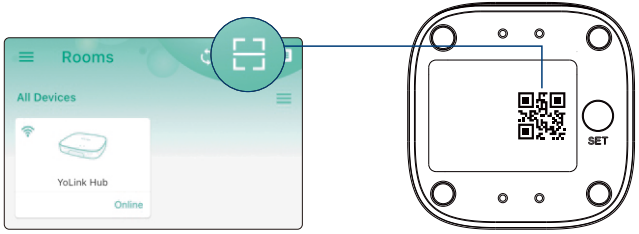


> 1. Make sure your Hub is connected to the internet (green LED indicator is blinking, blue LED indicator is always on)
>
> 2. Ethernet patch cable (included) to your network (router, switch, etc.), recommended. Otherwise connect your Hub to your home 2.4 GHz Wi-Fi network (only when necessary). Refer to the Hub set up manual for more information:
>
> YS1603-UC User Guide

C-2. Add Device

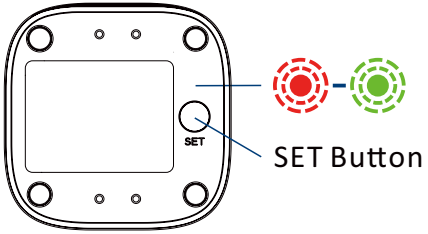
1. Tap " ⛶ " icon, then scan QR Code on the device. Follow the steps to add the device

> ! You must press "Bind Device" to pair the device to your account



---

2. Press the SET button 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

C-3. Sensor Placement

Place the Water Leak Sensor where a leak or flooding may occur

Suggested Additional Applications:

Basement Floors

Under Laundry Machines

Under Dishwashers

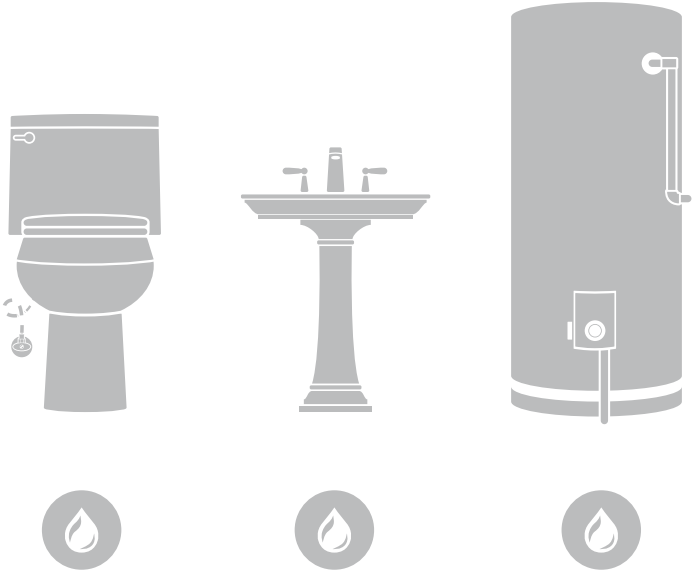
Under Refrigerators (w/Ice Machines)

Near Sump Pumps

Under Fish Tanks/Aquariums

Inside Hot Tubs*

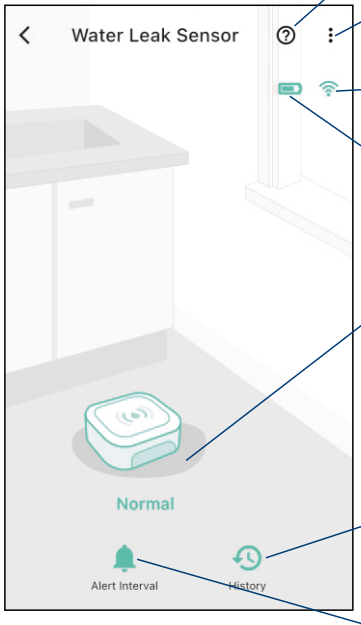
Locations Subject to Freezing Pipes*



! Please refer to device environmental operating range information on page 21. Use this device outside the recommended ranges at your own risk

D. Using the YoLink App

D-1. Device Page



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

Details
- *Tap to go to Details page(refer to page 8 & 9)*

Connection Status
of Water Leak Sensor and Hub

Battery Level
of Water Leak Sensor
- *Shown red if battery level is low*

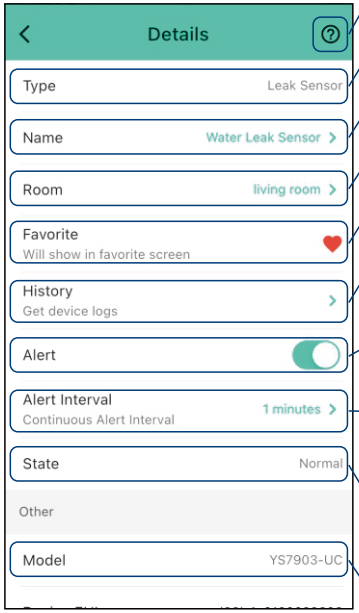
Real-time Status of Water Leak Sensor:
Normal or water-detected



Device Alert History
Water detected and cleared events, logged with date & time

Alert Interval
- Set re-notification interval after a leak or flooding warning
Default is 5 minutes

D-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. Add/Remove from favorites

e. Device Alert History
Water detected and cleared events, logged with date & time

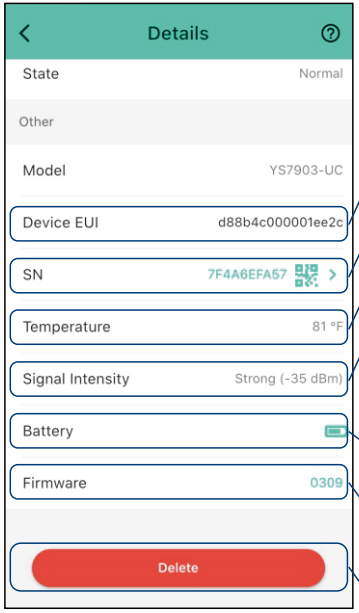
f. Alert Settings
- Enable or disable alerts

g. Alert Interval
- Set re-notification interval after a leak or flooding warning
Default is 5 minutes

h. Real-time Status:
Normal or water-detected

i. Device Model

After changing “Alert Interval” 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)



j. Device EUI (unique)

k. Device SN (unique)

l. Connection Status of sensor and Hub

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. Current Battery Level

- Shown red if battery level is low

o. Firmware Version

- "#### ready now" indicates a new update is available (refer to page 17)

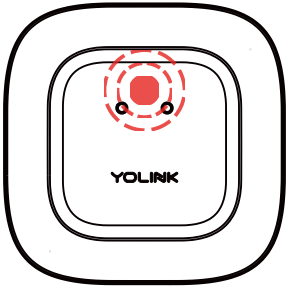
p. Remove Device From Current Account

- Tap to delete the device from your YoLink account

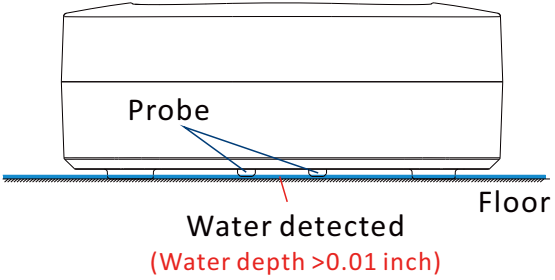
D-3. Device Alerts

- When any set of probes are touched by water at the same time, an alert notification will be sent, and the sensor status will be shown on your YoLink app (see page 2 for more information about notifications)





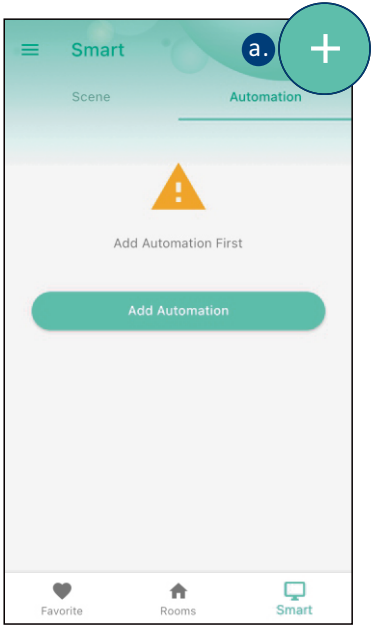
The default re-notification interval after a leak or flooding alert is 5 minutes. This interval may be adjusted in the Details page (refer to page 8 & 9)



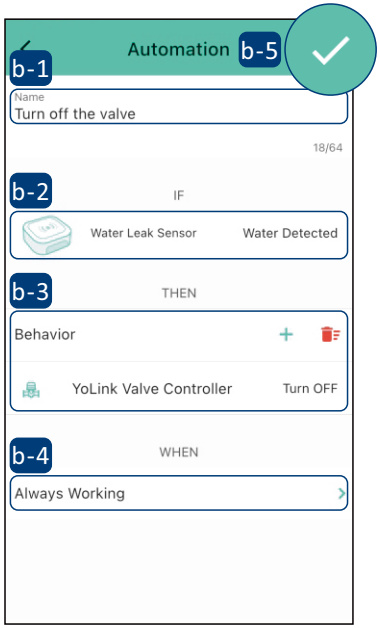
E-4. Automation

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

> Water Leak Sensor can be set as a trigger only, with two trigger options: Water Detected; No Water Detected (Water Cleared)

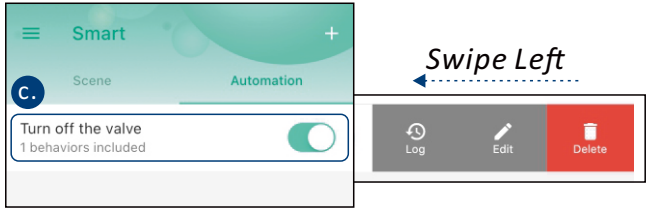


a. Tap the “+” icon to add an automation



b. Add an automation

b-1 Edit name
b-2 Edit trigger
b-3 Edit behavior *(You must have at 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



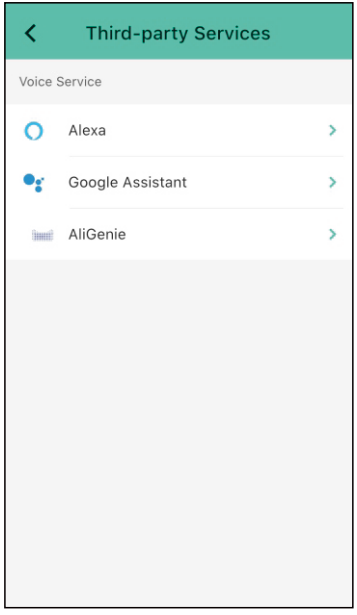
c. Click to edit the automation

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. Third-party Assistants

Connect YoLink with third-party voice assistants to monitor the status of your devices through voice commands

- Tap " ☰ " in the upper left corner to go to My Profile
- Go to **Settings** > **Voice Assistants** for the applicable voice assistant integration guide



1. The Water Leak Sensor integrates with Alexa and IFTTT.com
2. Monitor the Water detected (closed)/No water detected (open) status of the Water Leak Sensor from the Alexa app
3. Water detected/Water cleared status can be queried by voice command as well as the Alexa app (For example, "Alexa, what is the status of the Basement Water Leak Sensor?" -- "No water is detected of the Basement Water Leak Sensor"
4. The Water Leak Sensor may be used as a trigger or input for Alexa routines and for custom applets (IFTTT.com)
5. For additional information specific to the platform, refer to the associated app. Visit our website at www.yosmart.com/support-and-service for additional information, or contact us via email or phone (see page 25 for Customer Support email address and phone number) information

E. About YoLink *Control*

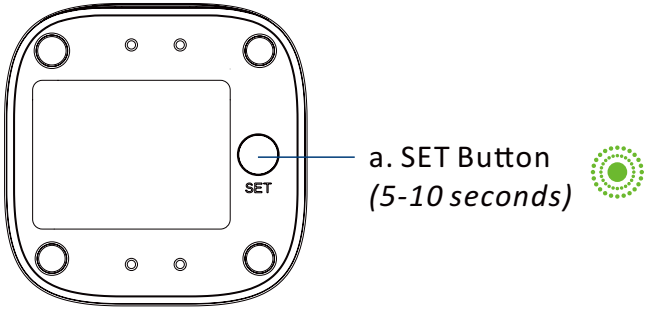
YoLink *Control* is our unique device-to-device control technology. Using YoLink *Control*, YoLink devices can be controlled without the Hub or an internet connection. (Use of YoLink *Control* is optional; you can use the Automation feature in the app OR use YoLink *Control*, but YoLink *Control* offers 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 Water Leak Sensor, while examples of a responder are a Siren or a Gas/Water Valve (Controller)

The Water Leak Sensor can only work as the controller of YoLink *Control*

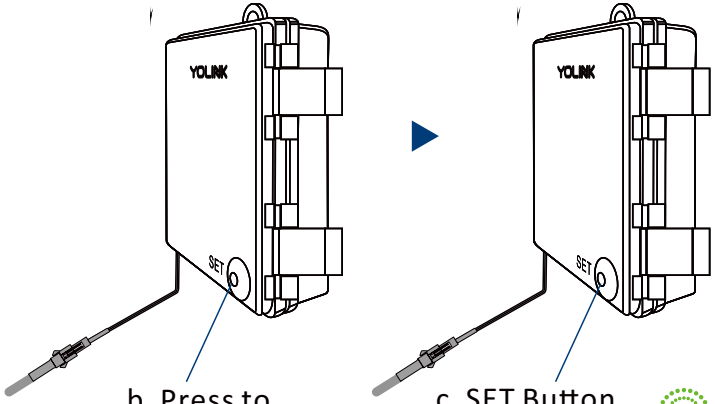
E-1. Pairing

1. To configure your Water Leak 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 Gas/Water Valve Controller as the responder, close the valve using SET button or via YoLink app (verify the valve is shown to be Closed on the app). 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)



b. Press to close the valve

c. SET Button *(5-10 seconds)*

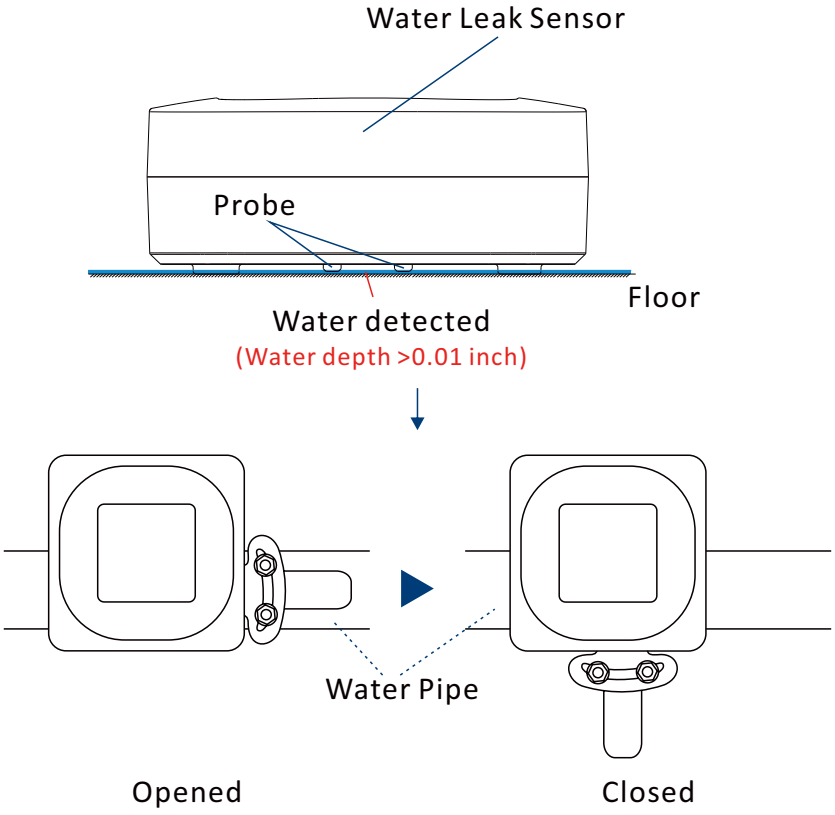
Refer to the Gas/Water Valve Controller manual for more information:

YS4909-UC Gas/Water Valve Controller

Hold the SET button longer than 10 seconds will ABORT the pairing operation

Operation

- When the Water Leak Sensor detects water, the YoLink Gas/Water Valve Controller will now immediately close the valve. The valve will remain closed until opened via the app or using the SET button; the restoral of the Water Leak Sensor to normal (no water detected) does not open the valve
- More advanced sequences, controlling multiple outputs (e.g. close valve and activate siren) are available via the YoLink app



E-2. Unpairing

1. At the Water Leak Sensor (controller), press and hold the SET button for 10-15 seconds until the LED quickly blinks green, then red, then, release the button

---

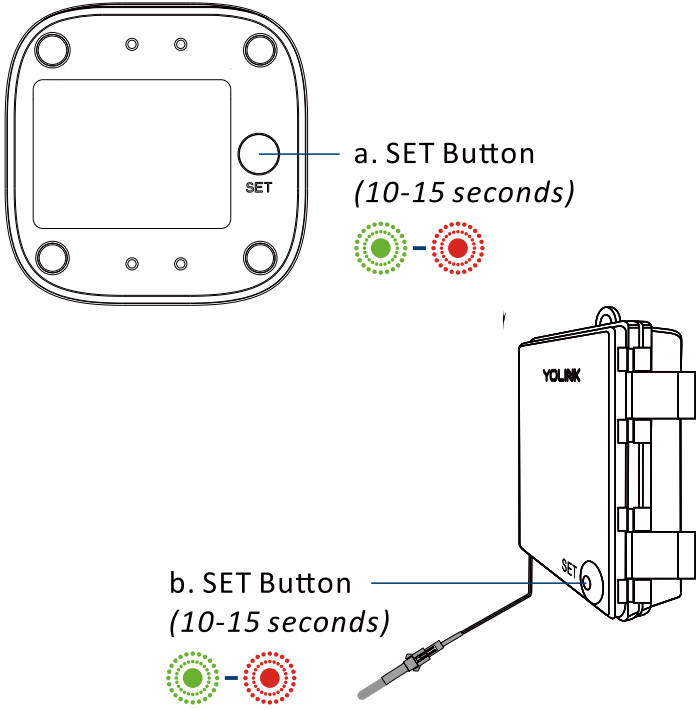
2. At the Gas/Water Valve Controller (responder), press and hold the SET button for 10-15 seconds, until the LED quickly blinks green, then red, then, release the button

---

3. Upon un-pairing, either the Water Leak Sensor LED or the Gas/Water Valve Controller LED will stop blinking and turn off

---

4. The Gas/Water Valve Controller will no longer respond to the Water Leak Sensor



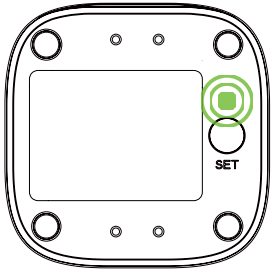
! Hold the SET button longer than 15 seconds will ABORT the unpairing operation

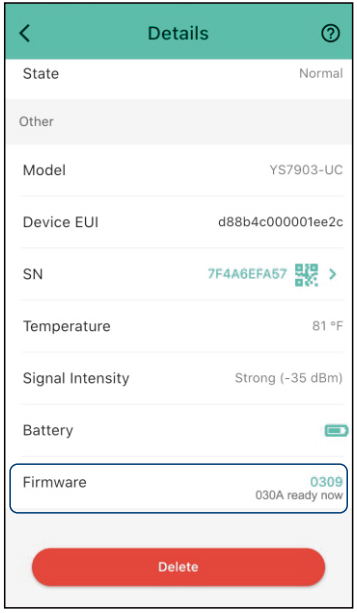
F. Maintenance

F-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

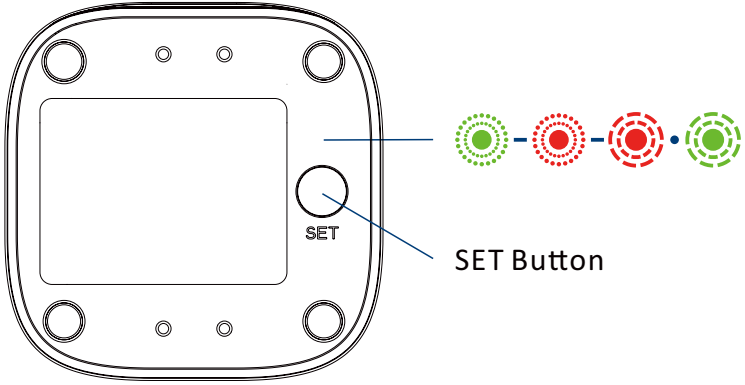




F-2. Factory Reset

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

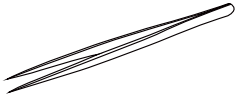


F-3. Replacing the Batteries

Tools Required:



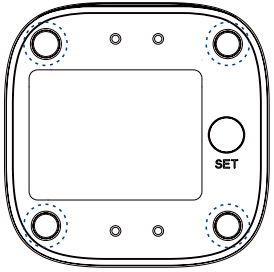
Small Philips Screwdriver



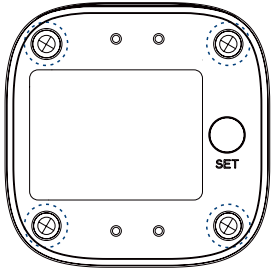
Tweezers

1. To maintain the watertight design of your Water Leak Sensor, use extreme care and follow the battery replacement instructions closely
2. Do not mix old and new batteries
3. Make sure that the bottom shell and sealed rubber pads are tightly secured. Otherwise, the entry of water into the sensor may cause severe damage

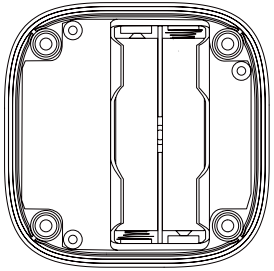
1. Use tweezers to take out the four sealed rubber pads at the base of the device



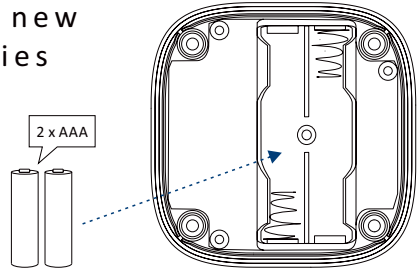
2. Use a screwdriver to unscrew the screws at the base of the device and remove the base



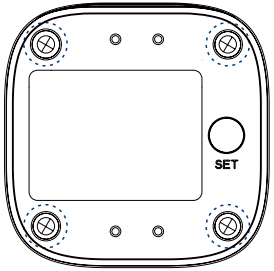
3 Remove the two old batteries



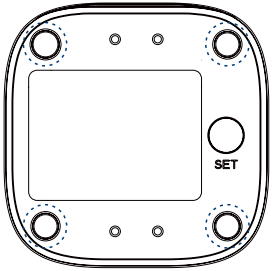
4 Install two new AAA batteries



5 Close and secure the base by reinstalling and tightening the four screws



6 Reattach the four sealing rubber pads



G. Specifications

Voltage:	3V DC (2 - alkaline non-rechargeable AAA batteries)
IP Rating:	IP68
Dimensions:	2.44 x 2.44 x 0.93 inches (62 x 62 x 23.5 millimeters, L x W x D)
Environment:	Working Temperature: 32°F - 122°F (0°C - 50°C) Working Humidity: ≤100%RH non-condensing

G-1. Wireless Specifications (Model: YS7903-EC)

Description:	Water Leak Sensor
Operation Frequency:(CE)	SRD(TX): 863.1 MHz
Max RF Output Power:(CE)	SRD: 5.23 dBm

G-2. Wireless Specifications (Model: YS7903-UC)

Description:	Water Leak Sensor
Operation Frequency:	SRD(TX): 910.3 MHz
Max RF Output Power:	SRD: 5.23 dBm

H. Troubleshooting

Hardware:

Batteries: Batteries should be brand new, name brand “AAA” alkaline type. Refer to “Warnings” Section on page 23

Function:

1. Device is offline

- If sensor is not connected to the cloud, press the SET button on water leak sensor once
- If Hub is offline, reconnect the Hub to the Internet and press the SET button on water leak sensor once
- If Hub is not on, power on the Hub again and press the SET button on water leak sensor once
- If sensor is out of range with Hub, relocating the 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**

Warning

- Please install, operate and maintain the Water Leak 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
- To avoid damaging the device, if storing the device for an extended period, remove the batteries
- Do not install or use this device outside of the temperature and humidity range listed in the Environmental section in Specifications, on page 21
- Do not install or use this device where it will be subjected to high temperatures and/or open flame
- To maintain the watertight design of your device, use extreme care and follow the battery replacement instructions closely

  Install or use this device only in clean environments. Dusty or dirty environments may prevent the proper operation of this device, and will void the warranty

- If your device does get 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

  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 Statement

Product Name: Water Leak Sensor
Model Number: YS7903-UC, YS7903-UA
Responsible Party: YoSmart Inc.
Address: 15375 Barranca Parkway, Ste G-105 Irvine, CA 92618, USA
Tel: 1-949-825-5958
E-mail: service@yosmart.com

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

FCC Statement

Product Name: Water Leak Sensor
Model Number: YS7903-UC, YS7903-UA
Responsible Party: YoSmart Inc.
Address: 15375 Barranca Parkway, Ste G-105 Irvine, CA 92618, USA
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- 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

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
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: 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.

FCC RF radiation exposure statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

"To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."

CE Mark Warning

Product Name: Water Leak Sensor
Model Number: YS7903-EC, YS7903-EA
Responsible Party: YoSmart Inc.
Address: 15375 Barranca Parkway, Ste G-105 Irvine, CA 92618, USA
Tel: 1-949-825-5958
E-mail: service@yosmart.com

The host manufacturer has the responsibility that the host device should be compliance with all essential requirement of RER. This restriction will be applied in all member states. The simplified UK declaration of conformity referred shall be provided as follows: Hereby, YoSmart Inc. declare that the radio equipment type Water Leak Sensor is in compliance with Directive UK Radio Equipment Regulations (SI 2017/1206); UK Electrical Equipment (Safety) Regulation (SI 2016/1101); and UK Electromagnetic Compatibility Regulations (SI 2016/1091); The full text of the UK declaration of conformity is available at the following internet address: 15375 Barranca Parkway, Ste G-105 Irvine, CA 92618, USA