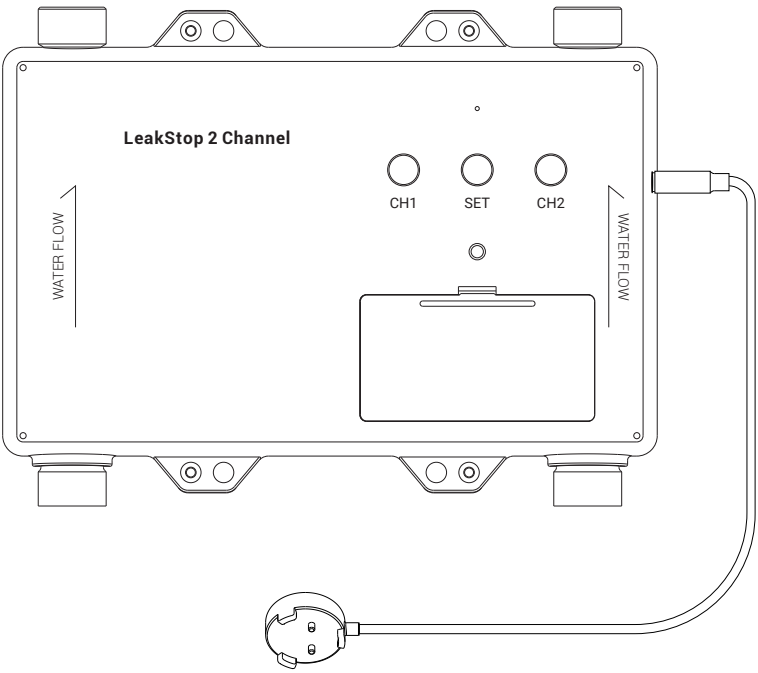


FlowSmart LeakStop 2 Channel

YS5029-UC

Installation & User Guide

Revision Apr. 01, 2025

Contents

A . Welcome! 01
B . Before You Begin 02
C . In the Box 04
D . Required Items 04
E . Get to Know Your LeakStop 2 Channel 05
F . Install the App 07
G . Add Your LeakStop 2 Channel to the App 08
H . Before Installation 10
I . Install the LeakStop 2 Channel 10
J . Install the Probe Detection Cable 14

K . Power up
L . Testing 19
M . App Functions: Device Screen 19
N . App Functions: Device Details Screen 22
O . App Functions: Water Usage 24
P . App Functions: Alert Settings Screen 26
Q . App Functions: Advanced Settings 27
R . App Functions: Smart - Scene 28
S . App Functions: Smart - Automation 29
T . App Functions: Alarm Strategy Screen 30

U . Control-D2D 33
V . Using the App & 3rd-Party Services 37
W . Factory Reset 38
X . Firmware Update 39
Y . Battery Replacement 40
Z . Specifications 42
AA. Warnings 44
AB. Warranty 45
AC. FCC Statement 47
AD. Contact Us 49

A Welcome!

Thank you for purchasing YoLink products! We appreciate you trusting YoLink for your smart home & automation needs. Your 100% satisfaction is our goal. If you experience any problems with your installation, with our products or if you have any questions that this manual does not answer, please contact us right away. See the Contact Us section for more info.

Thank you!

YoLink Customer Support

User Guide Conventions

The following icons are used in this guide to convey specific types of information:

⚠️ Very important information (can save you time!)

🤔 Good to know info but may not apply to you

B Before You Begin

Visit our FlowSmart LeakStop 2 Channel support page on our website, for the latest installation guides, additional resources, information and videos by visiting:

https://www.yosmart.com/support/YS5029-UC

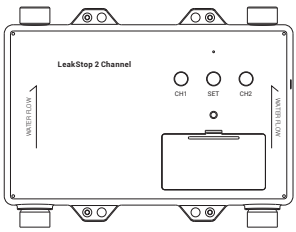
Or by scanning the QR code:

Download the most current version of the user guide by scanning the QR code:

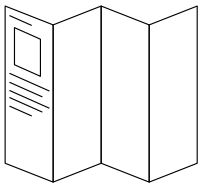
B Before You Begin, Continued

Your FlowSmart LeakStop 2 Channel connects to the internet via a YoLink hub, and it does not connect directly to your WiFi or local network. In order for remote access to the device from the app, and for full functionality, a hub is required. This guide assumes the YoLink app has been installed on your smartphone, and a YoLink hub is installed and online (or your location, apartment, condo, etcetera, is already served by a YoLink wireless network).

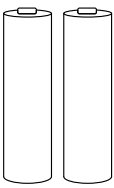
C In the Box



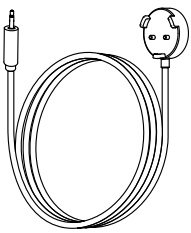
LeakStop 2 Channel



Quick Start Guide



2 x AA Batteries (Pre-Installed)

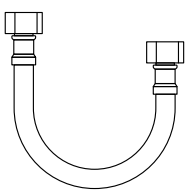


Detection Probe Cable

D Required Items

These items may be required to install the water meter:

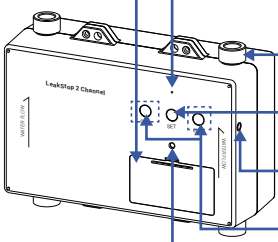
Adjustable Wrench



3/8” Supply Hose x 2

E Get to Know Your LeakStop 2 Channel

LeakStop 2 Channel:



Battery Cover

Status LED

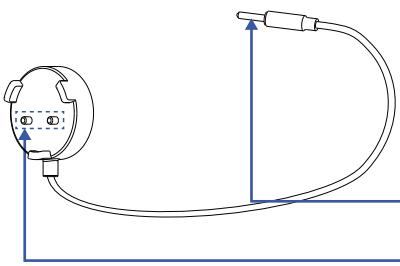
Supply End

Set Button

Detection Cable Jack

Valve Control Button CH1 & CH2:
Tap to open or close the valve of channel 1 or channel 2

Sounder
- One Beep
  Device Power-Up/Button Pressed
- Two Beeps
  Device Alert
  (Two beeps every 1 second for the first minute.
  Two beeps every 5 seconds for the next 10 minutes.
  Sustaining two beeps once 10 minutes after 10 minutes.)



Phono Plug

Detector Probe
Used for water detection

E Get to Know Your LeakStop 2 Channel, Continued

LED Behaviors

Blinking Red Once, Then Green Once
Device Start-Up

Blinking Red And Green Alternately
Restoring to Factory Defaults

Blinking Red Once
Valve Closing or Device Alert

Blinking Green Once
Valve Opening

Slow Blinking Green Twice
Connecting to Hub

Quick Blinking Red Twice
Valve is Closed

Quick Blinking Green Twice
Valve is Open

Quick Blinking Green
Control-D2D Pairing in Progress

Quick Blinking Red
Control-D2D Unpairing in Progress

Slow Blinking Green
Updating

Fast Blinking Red 5 Times when pressing the SET Button
Low Battery, Replace Batteries Soon

F Install the App

If you are new to YoLink, please install the app on your phone or tablet, if you have not already. Otherwise, please proceed to the next section.

Scan the appropriate QR code below or find the "YoLink app" on the appropriate app store.

Download on the App Store

Apple phone/tablet
iOS 9.0 or higher

Available on Google Play

Android phone/tablet
6.0 or higher

Open the app and tap **Sign up for an account**. You will be required to provide a username and a password. Follow the instructions, to set up a new account. Allow notifications, when prompted.

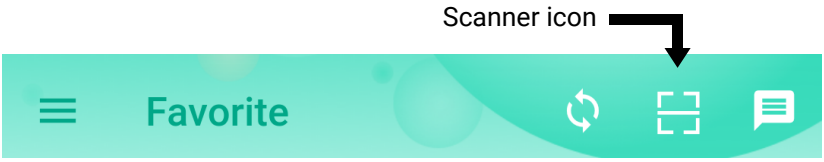
You will immediately receive a welcome email from no-reply@yosmart.com with some helpful information. Please mark the yosmart.com domain as safe, to ensure you receive important messages in the future.

Log in to the app using your new username and password.

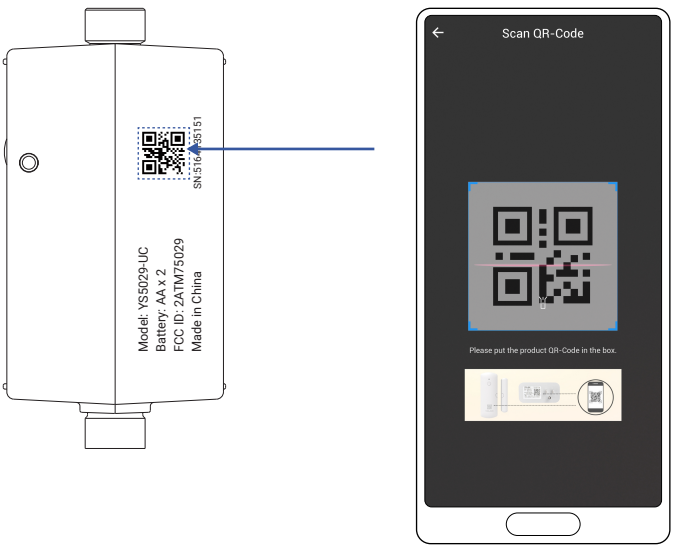
The app opens to the **Favorite** screen. This is where your favorite devices and scenes will be shown. You can organize your devices by room, in the **Rooms** screen, later.

G Add Your LeakStop 2 Channel to the App

1. Tap **Add Device** (if shown) or tap the scanner icon:



2. Approve access to your phone's camera, if requested. A viewfinder will be shown on the app.

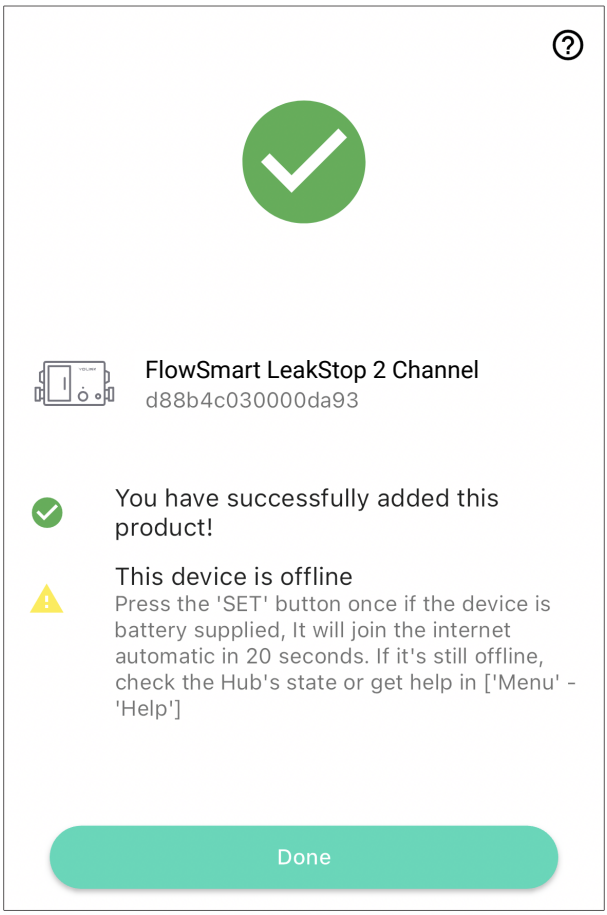


3. Hold the phone over the QR code so that the code appears in the viewfinder. If successful, the **Add Device** screen will be displayed.

G Add Your LeakStop 2 Channel to the App, Continued

4. You can change the device name and assign it to a room later. Tap **Bind device**.

5. If successful, the screen will appear as shown. Tap **Done**.



6. If the FlowSmart LeakStop 2 Channel is not already on, press the SET button for a moment, until the LED illuminates briefly.

H Before Installation

1. Please install following the water flow direction shown by the arrow.

2. This product defaults to a Maximum Continuous Water Usage Duration of 15 minutes, Maximum Water Usage Count per Day of 250 times, and Maximum Water Usage per Day of 500 gallons. Exceeding any of these limits will automatically close the valve. You can manually reopen the valve in the App (YoLink Hub required) or by pressing the SET button.

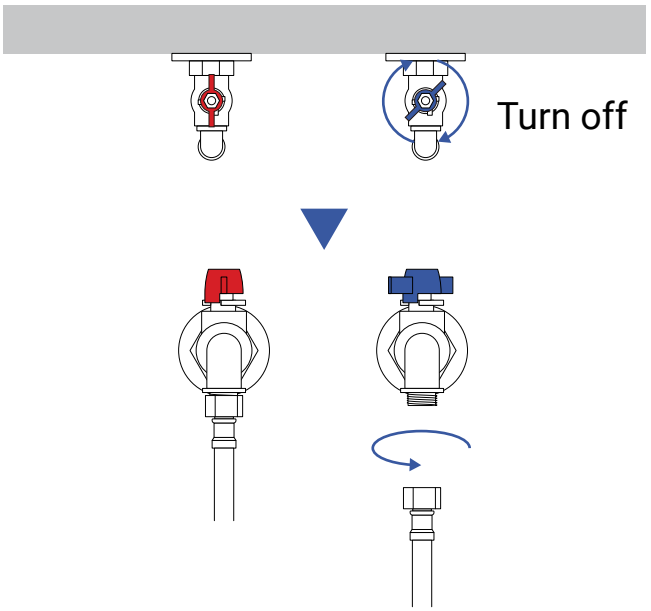
3. If you need to modify the default values, please do so on the device detail page within the YoLink App (YoLink Hub required).

I Install the LeakStop 2 Channel

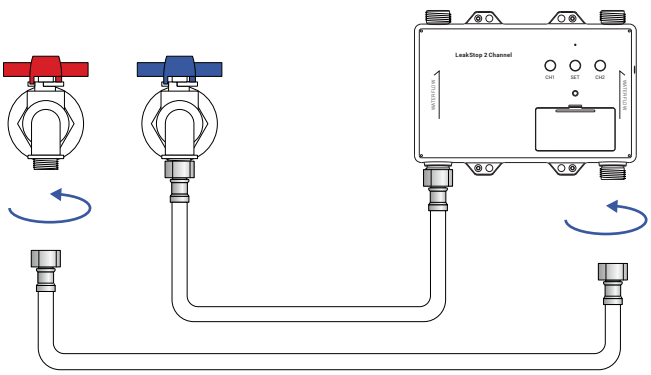
The LeakStop 2 Channel is designed for applications with two water pipes, such as sinks and washing machines. For example, one channel can connect to the cold water pipe and the other to the hot water pipe. Before installation, ensure you have 2 to 4 supply hoses of suitable length based on your specific setup requirements. It is strongly recommended to position the device flat on a stable surface and avoid suspending it. Below is a washing machine installation example.

Install the LeakStop 2 Channel, Continued

1. Turn off the water supply valves for the washing machine (both cold and hot water valves). Loosen the connections between the valves and the sink hoses.

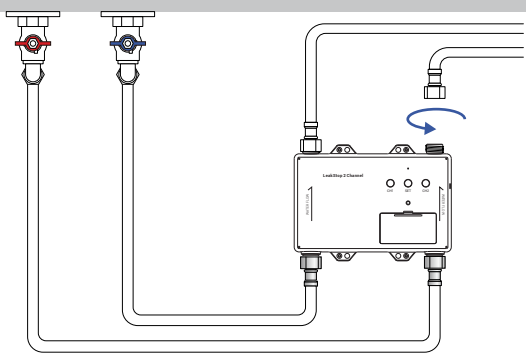


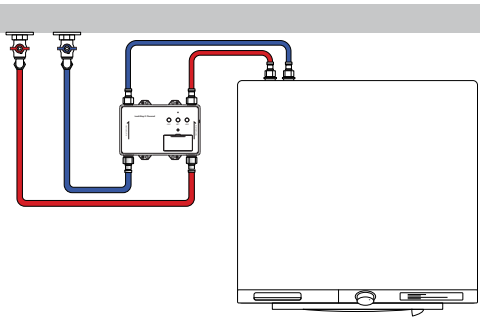
2. Connect new hoses: attach one end of each new hose to the water supply valves (cold and hot) and the other ends to the LeakStop 2 Channel's corresponding inlets.



Install the LeakStop 2 Channel, Continued

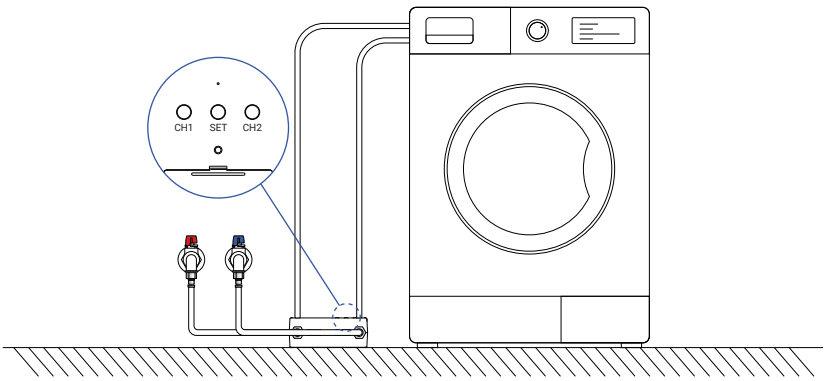
3. Reconnect the washing machine hoses to the LeakStop 2 Channel's corresponding outlets (cold and hot water). If the device needs to be placed flat on a stable surface, you may need to replace the original washing machine hoses with longer ones to ensure proper installation.





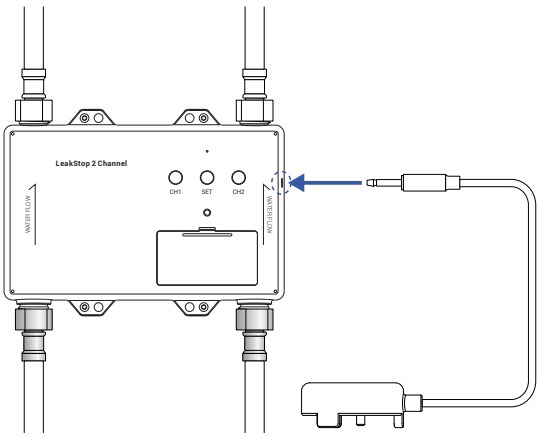
I Install the LeakStop 2 Channel, Continued

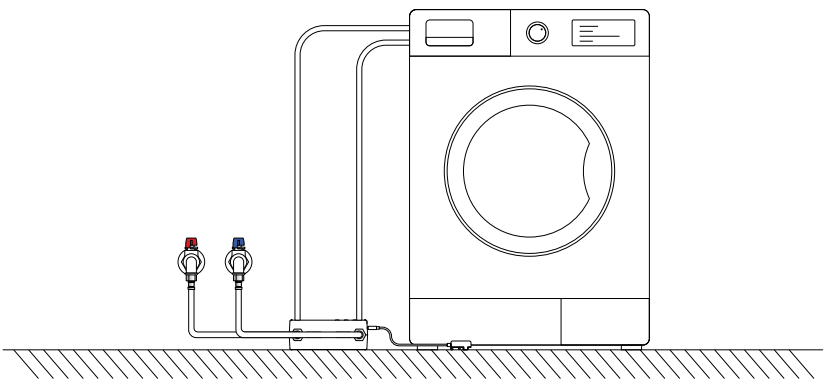
4. Turn on the water supply valves, then press buttons CH1 & CH2 to test the LeakStop 2 Channel's on/off functionality for both channels.



J Install the Probe Detection Cable

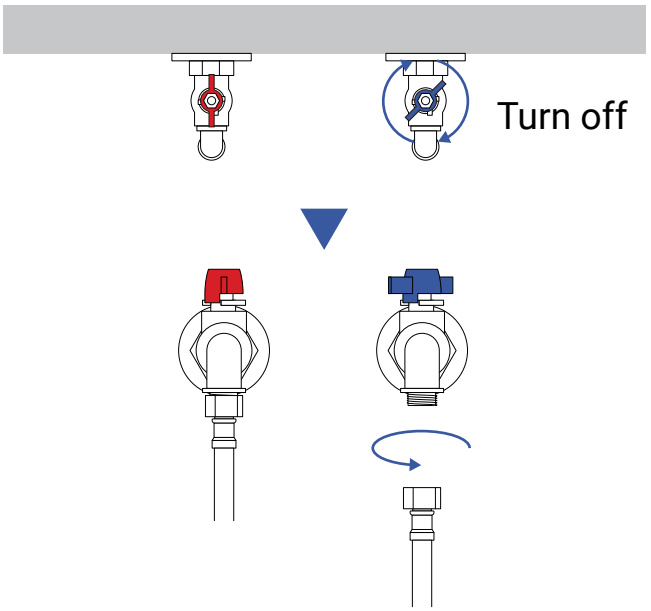
Connect the cable to the LeakStop 2 Channel, by plugging the male end of the probe cable into the device, ensuring the cable's end is in close contact with the floor (the device will trigger an alarm when water connects the probes).



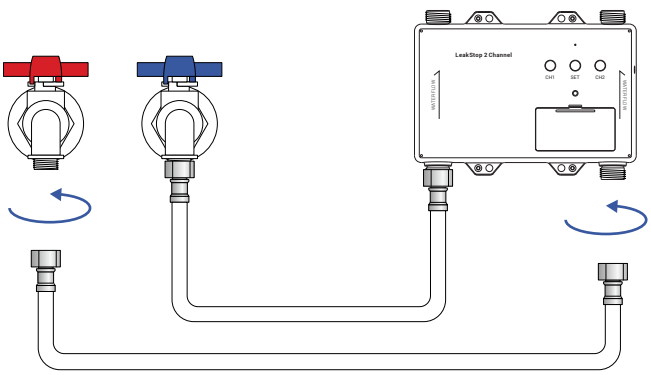


J Install the Probe Detection Cable, Continued

1. Turn off the water supply valves for the washing machine (both cold and hot water valves). Loosen the connections between the valves and the sink hoses.

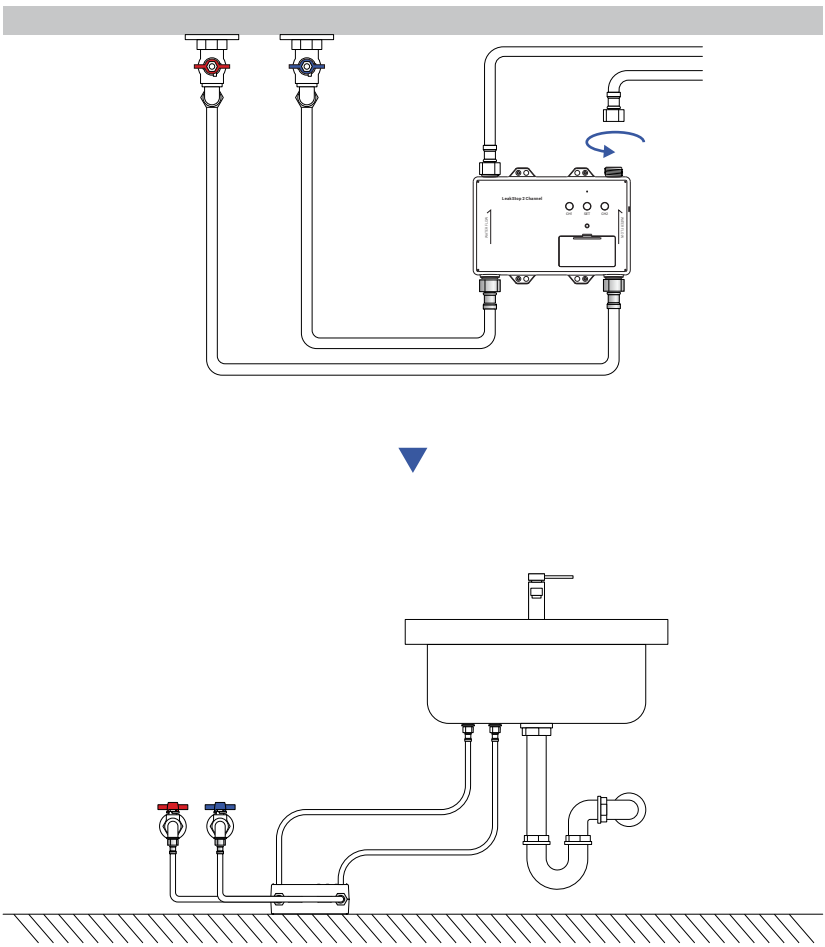


2. Connect new hoses: attach one end of each new hose to the water supply valves (cold and hot) and the other ends to the LeakStop 2 Channel's corresponding inlets.



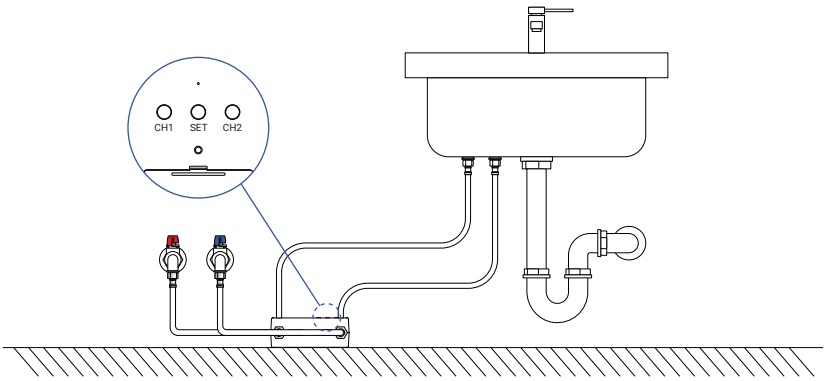
J Install the Probe Detection Cable, Continued

3. Reconnect the washing machine hoses to the LeakStop 2 Channel's corresponding outlets (cold and hot water). If the device needs to be placed flat on a stable surface, you may need to replace the original washing machine hoses with longer ones to ensure proper installation.



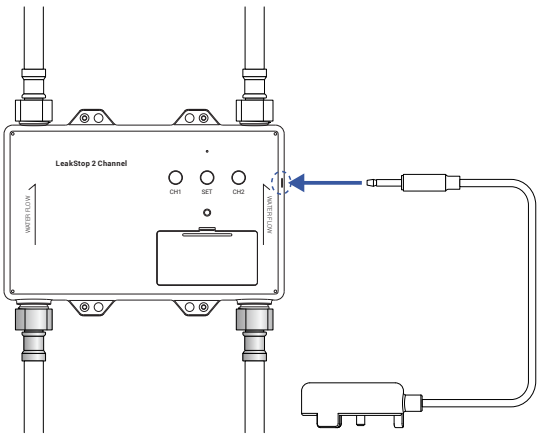
J Install the Probe Detection Cable, Continued

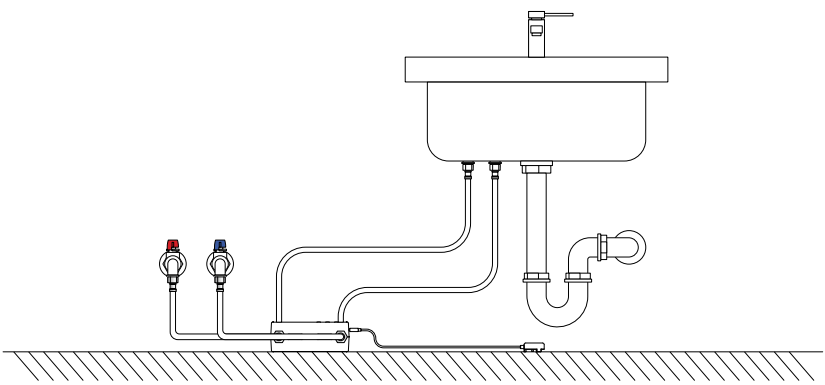
4. Turn on the water supply valves, then press buttons CH1 & CH2 to test the LeakStop 2 Channel's on/off functionality for both channels.



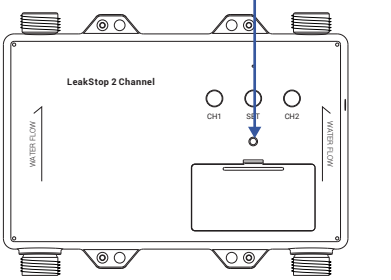
J Install the Probe Detection Cable, Continued

Connect the cable to the LeakStop 2 Channel, by plugging the male end of the probe cable into the device, ensuring the cable's end is in close contact with the floor (the device will trigger an alarm when water connects the probes).





K Power up



Power up the FlowSmart LeakStop 2 ChannPower up the FlowSmart LeakStop 2 Channel by briefly pressing the SET button, until the LED flashes (red, then green).

If it only flashes red once, it indicates that the device has powered up and successfully connected to the hub.el by briefly pressing the SET button, until the LED flashes (red, then green).

L Testing

1. Two Valves both in Open (Low Power) Mode: The app cannot close the valve or reset water usage in Advanced Settings.

2. One of the Valves in Closed (Active) Mode: The app supports opening the valve and resetting water usage.

3. CH1 & CH2 Button: Always works for manual valve control, regardless of mode.

L Testing, Continued

Manual Testing via CH1 & CH2 Button

1. Close the Valve: Press the **CH1 & CH2** button on the unit to close the valve.

- Listen for a smooth, consistent sound confirming the motorized valve is functioning properly.

- Verify that the valve is fully closed:
  a. No water flows through the connected pipes or faucets.
  b. No sound of water movement is detectable from the valve or fixtures.

2. Open the Valve: Press the **CH1 & CH2** button again to open the valve.

- Activate a connected fixture (e.g., turn on a faucet) to ensure water flows smoothly.

- Open the YoLink app and check that the water usage readings update as water flows confirming accurate monitoring.

L Testing, Continued

Testing Using the YoLink App

1. Ensure One of the Valve is in the Closed State:

- If the valve is open (low power mode), use the CH1 & CH2 button to manually close it.
- In the closed state (active mode), proceed to the app for testing.

2. Open the Valve Using the App:

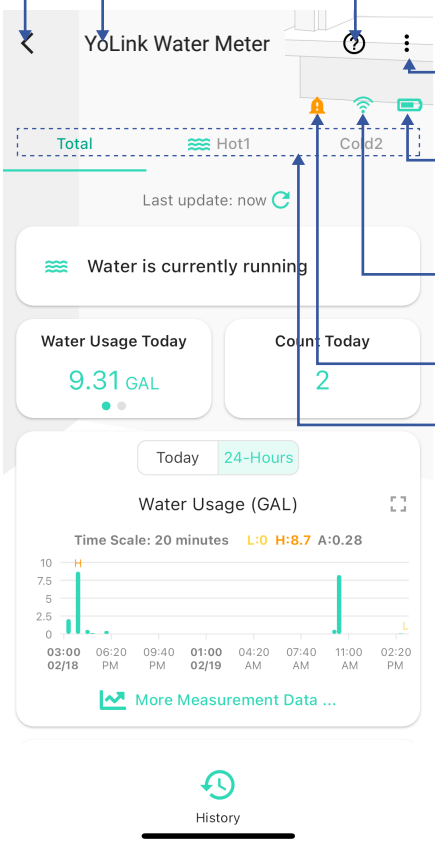
- Open the YoLink app and navigate to your LeakStop 2 Channel from either the Rooms or Favorites screen.
- Select the device and use the app control to open the valve.
- Activate a connected fixture and confirm the following:
  a. The valve opens as commanded.
  b. Water flows smoothly through connected fixtures only when activated.

3. Reset Water Usage (Optional):

- If needed, navigate to Advanced Settings in the app while the valve is closed.
- Use the reset function to clear water usage data and prepare the device for accurate future readings.

App Functions: Device Screen

In the app, tap on your FlowSmart LeakStop 2 Channel icon. Your FlowSmart LeakStop 2 Channel main screen should be similar to the one shown below.



Tap to Exit This Screen

Device Name

Tap for Contact & Support Resources

Tap for Device Details Screen

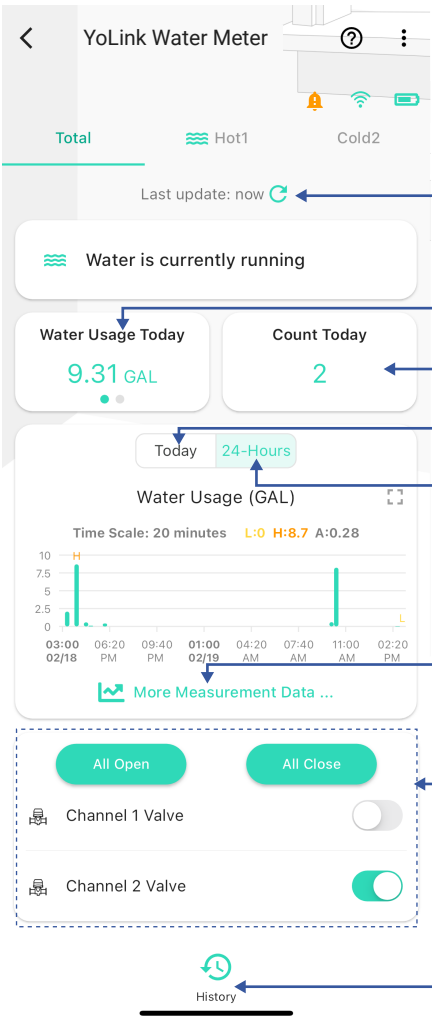
Battery Level
Green = batteries are good
Red = replace batteries soon

Connection Status of Device and Hub

Alert Event of the Device

Tap to Switch Total/CH1/CH2 Screen

App Functions: Device Screen, Continued



Last Update Time

Today's Total Water Usage

Today's Water Usage Count

Today's Water Usage Chart

24-Hour Water Usage Chart

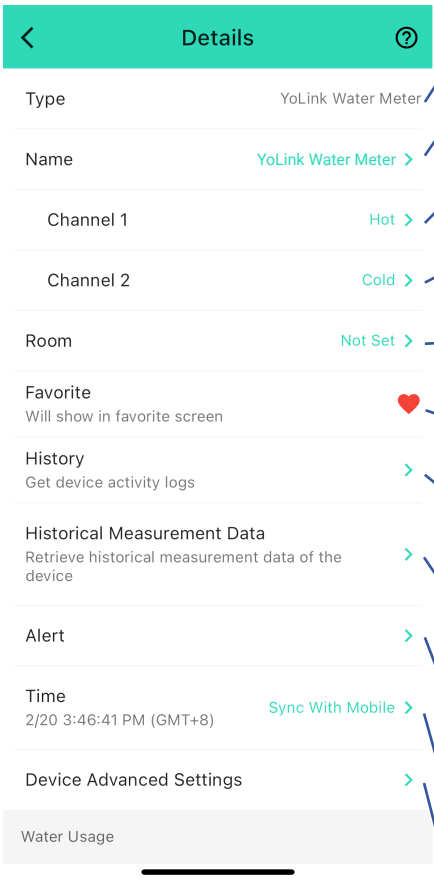
Tap to View and Export Historical Water Usage Data Charts

Valves' Status & Control
Two valves both in open state (low power mode) can not close valve

History
Tap to view and download historical logs

App Functions: Device Details Screen

Tap the three dots (in the upper right corner) to open the LeakStop 2 Channel **Details** screen. Your FlowSmart LeakStop 2 Channel screen should be similar to the one shown below.



Device Type

Device Name
(Tap to Edit)

Channel 1 Name
(Tap to Edit)

Channel 2 Name
(Tap to Edit)

Room
(Tap to Edit)

Favorite
(Red if Favorite, Tap to Edit)

History
Tap to view and download historical logs

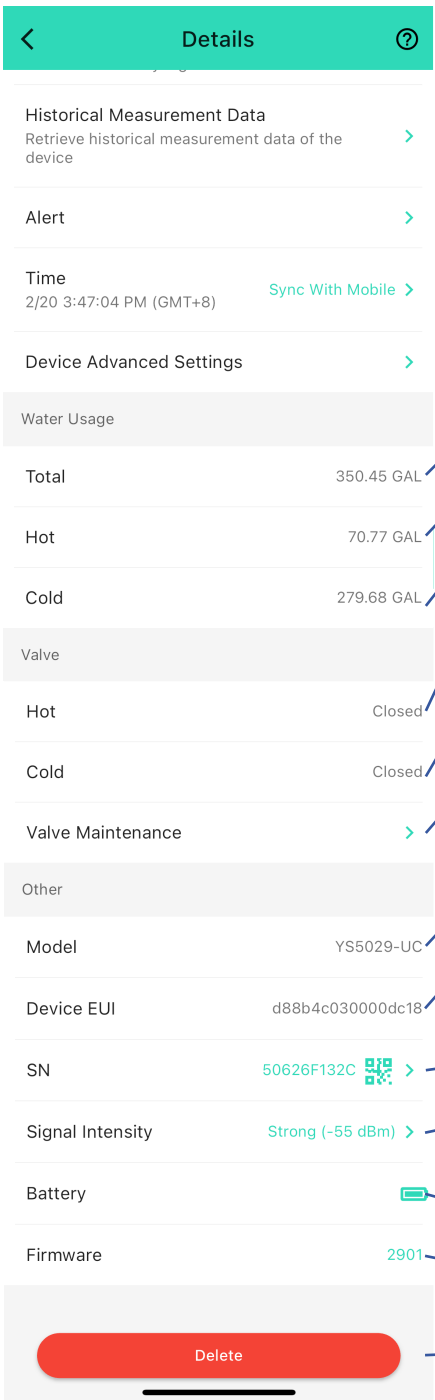
Historical Measurement Data
Tap to view and export historical water usage data

Alert
Tap to edit Alert Settings (see Alert Settings)

Time
Tap to sync with mobile

Device Advanced Settings
(see Device Advanced Settings)

App Functions: Device Details Screen, Continued



Total Water Usage

CH1 Water Usage

CH2 Water Usage

CH1 Valve State
Open or Close

CH2 Valve State
Open or Close

Valve Maintenance
Tap to disable or set the valve maintenance cycle

Model Number

Device EUI
Unique Identifier Number (Unique)

Device Serial Number

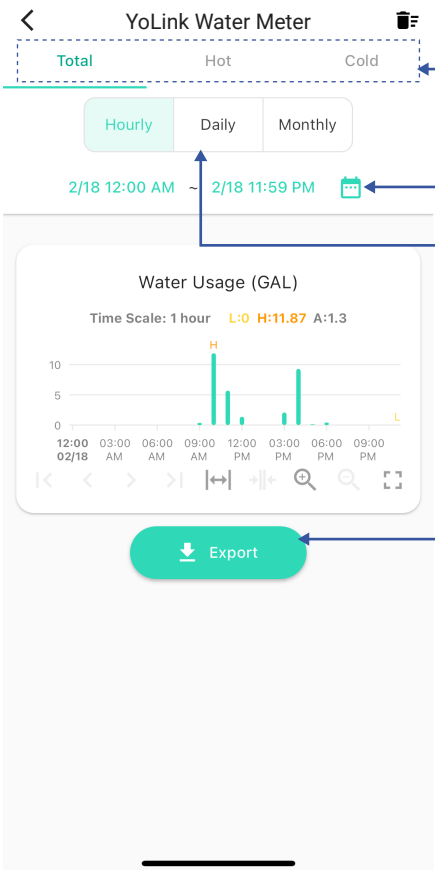
Signal Intensity
(From YoLink Hub)

Battery

Firmware Revision
(Refer to page 39)

Remove Device from Current Account
Tap to delete the device from your YoLink account

App Functions: Water Usage Chart Screen



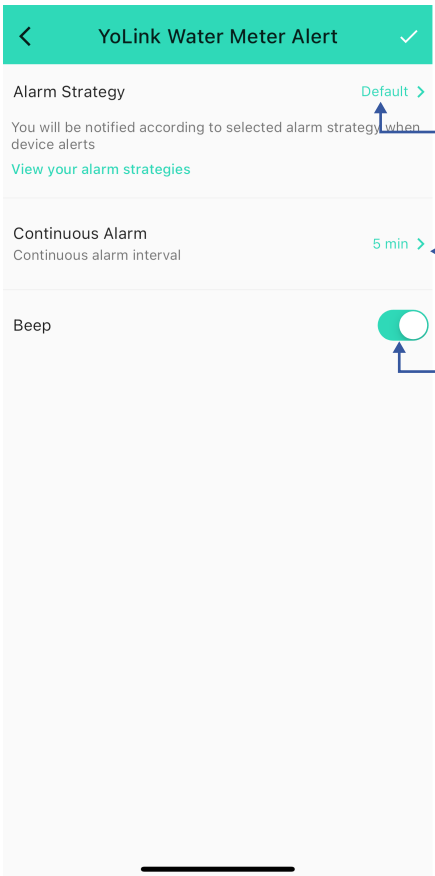
Tap to switch Total/CH1/CH2 Chart

Tap to select time rang

Tap to select Hourly, Daily, Monthly data

Tap to export data

App Functions: Alert Settings Screen

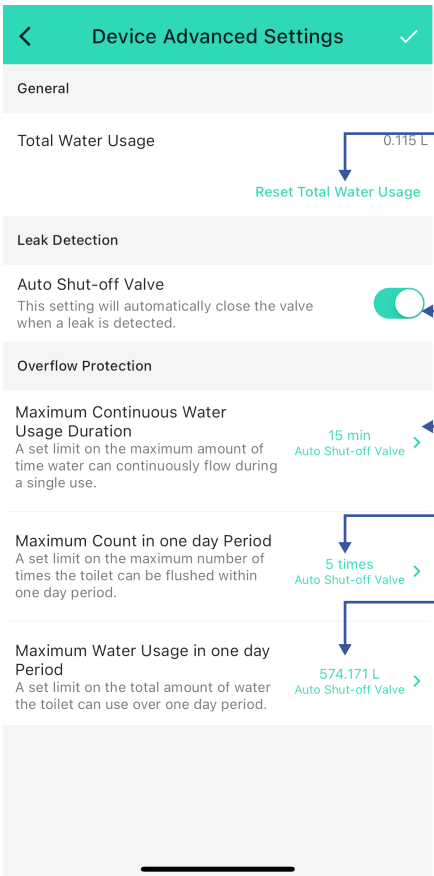


Alarm Strategy
Tap to edit the device's Alarm Strategy

Continuous Alarm
Tap to disable or set the alert repeat time

Beep
Tap to enable or disable beep sound

App Functions: Advanced Settings



Tap to Reset Total Water Usage
Two valves both in open state (low power mode) cannot reset it

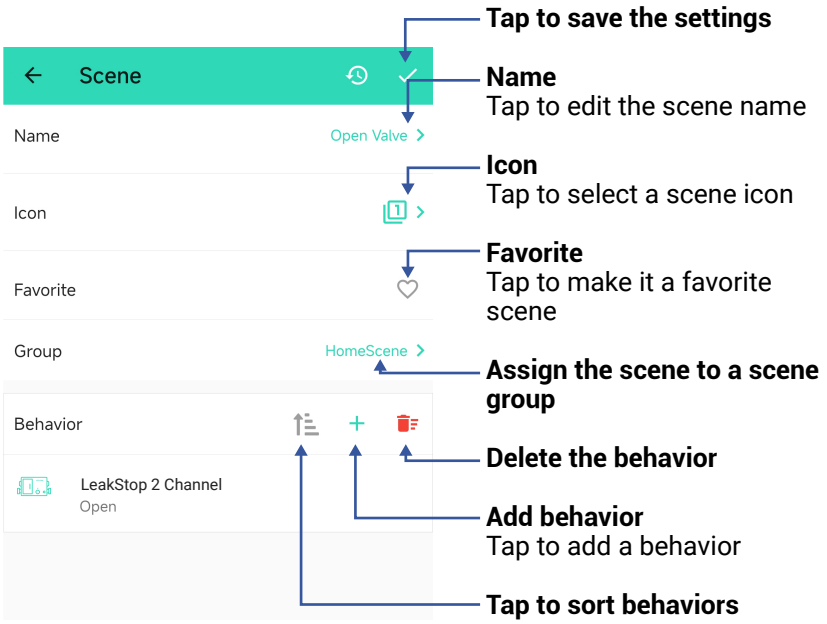
Enable or Disable Auto Shutoff for Probe Cable Leak Detection

Maximum Continuous Water Usage Duration

Maximum Water Usage Count per Day

Maximum Water Usage per Day

App Functions: Smart - Scene

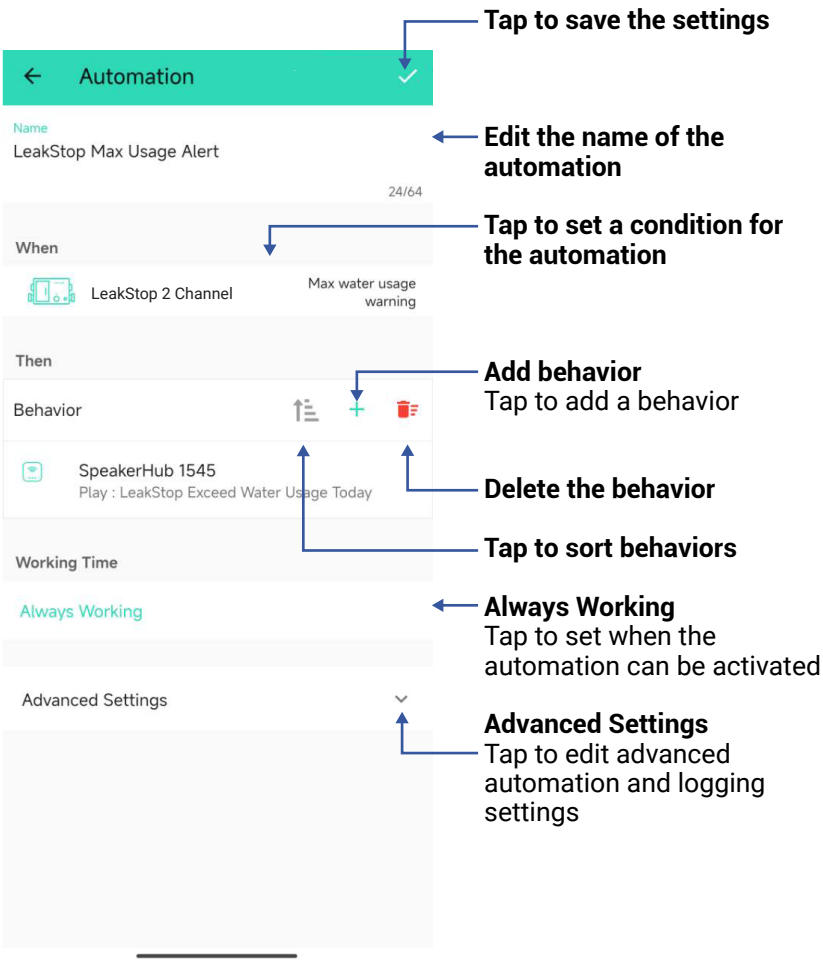


The Scene settings are saved in the cloud.

One Scene group only shows one active scene. For example, in the Home scene group, if you execute the Home scene, it will show the Home scene activated. If you execute the Away scene next, the Away scene will revert the Home scene's active status to off.

App Functions: Smart - Automation

The FlowSmart LeakStop 2 Channel can be set up as a condition or an action in automation.

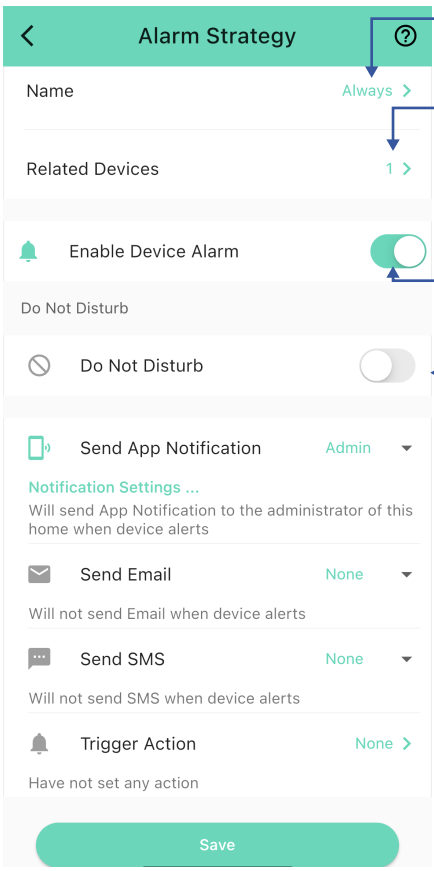


The Automation settings are saved in the cloud.

You can edit the Advanced Settings, including save the log, retry if action fails, notify if action fails, etc.

App Functions: Alarm Strategy Screen

You can set up notifications in Alarm Strategy settings, make sure you have enabled App, Email, SMS notification from the app->Menu->Settings->Account Settings->Advanced Settings, and verified your email address and added your phone number in the app.



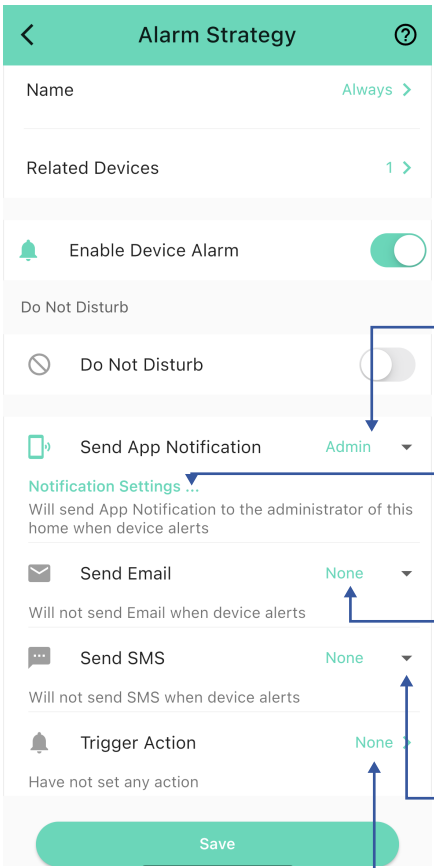
Strategy Name
Tap to edit the name

Related Devices
Tap to add more devices (that can alert) to this strategy, a device can be related to only one strategy

Tap to Enable or Disable The Strategy

Tap to Set Up Dnd (Do Not Disturb)

App Functions: Alarm Strategy Screen, Continued



Send App Notification
Tap to select Admin to enable App push, select All, if desired for all members

Notification Settings (iOS only)
Tap to change notification tone, if desired

Send Email
Tap to select Admin to enable email notification, select All, if desired to send to all members

Send SMS
Tap to select Admin to enable limited text messages, select All (subscribe required-starter or standard plan), if desired to send to all members

Trigger Action
Tap to choose trigger actions (YoLink sirens, YoLink SpeakerHubs, scene)

Control D2D

YoLink Control-D2D is our unique device-to-device control technology. Using Control-D2D, compatible YoLink devices can control or be controlled by other YoLink devices, without a hub or internet connection. One device can control another device, directly.

A device that controls or sends out commands is called the **controller**. A device that is controlled or receives the commands is called the **responder**. An example of a controller are a Water Leak Sensor, while examples of a responder are a Siren Alarm or a FlowSmart LeakStop 2 Channel.

Use of YoLink Control-D2D is optional.

One device can be Control-D2D-paired to up to 128 other devices.

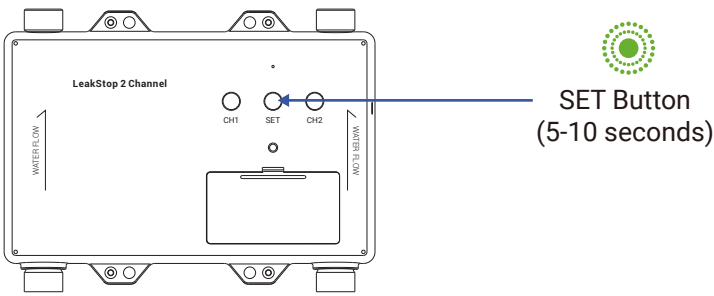
Pairing is separate from the app and any automation, scenes or alarm strategies you may have configured in the app. Use care to not create automations that conflict with Control-D2D-pairing and vice-versa.

During pairing, the controlled device must be in the state (open, on, unlocked, etc.) that it should transfer to when signalled by the controller.

The FlowSmart LeakStop 2 Channel only supports its probe cable leak detection function as a controller for Device-to-Device (D2D) Control and does not function as a responder.

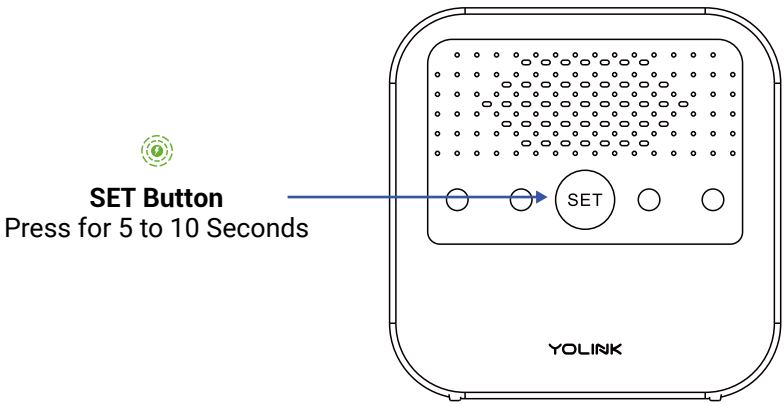
Pairing

1. To configure a FlowSmart LeakStop 2 Channel as a controller, press and hold the leak sensor's SET button for 5-10 seconds, until the LED quickly blinks green, then release the button.



2. To configure the YoLink Siren as a responder, press and hold the SET button for 5-10 seconds until the LED quickly blinks green, then release the button.

Upon pairing, the LED will stop blinking. This may happen after only blinking two or three times.



Testing

1. Test the Leak Probe Cable: Immerse the leak probe cable into water to simulate a leak scenario.

2. Verify Alarm Activation: Confirm that the siren sounds immediately upon detecting water.

Unpairing

1. At the FlowSmart LeakStop 2 Channel, 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 Siren, press and hold the SET button for 10-15 seconds, until the LED quickly blinks green then red, then release the button.

Upon unpairing, either the FlowSmart LeakStop 2 Channel LED or the YoLink Siren LED will stop blinking and turn off.

At this time, you can test the FlowSmart Leak-Stop 2 Channel to confirm it no longer activates the siren. If you also have any automations or alarm strategies that may also control the siren, disable them before testing.

V Using the App & 3rd-Party Services

The YoLink FlowSmart LeakStop 2 Channel works with several voice assistants, such as Alexa, and it works with other automation platforms such as IFTTT and Home Assistant.

To set up 3rd-party integrations (Alexa and IFTTT), in the app, go to Settings, Third-Party Services, and follow the instructions.

Refer to the Home Assistant website and the YoLink integration page for instructions.

https://www.home-assistant.io/integrations/yolink/

Factory Reset

Factory reset will erase device settings and restore it to factory default settings. Doing a factory reset will not remove the device from your account and it will not harm the device, or lose any data or require you to redo your automations, etc.

Instructions:

Hold the SET button down for 20-30 seconds, until the LED blinks red and green alternately. Then, release the button. (Holding the button down longer than 30 seconds will abort the factory reset operation)

Factory reset will be complete when the LED stops blinking.

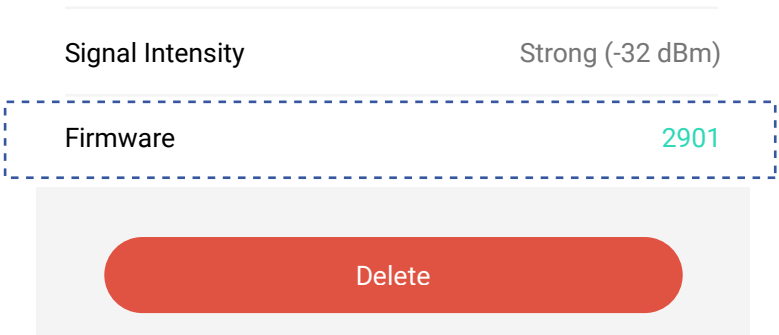
🤨

Only deleting a device from the app will remove it from your account. Factory reset will not delete the device from the app.

X Firmware Update

Your YoLink products are constantly being improved, with new features added. It is periodically necessary to make changes to your device's firmware. For optimal performance of your system, and to give you access to all available features for your devices, these firmware updates should be installed when they become available.

In the Detail screen of each device, at the bottom, you will see the Firmware section, as shown in the image below. A firmware update is available for your device if it says "#### ready now"

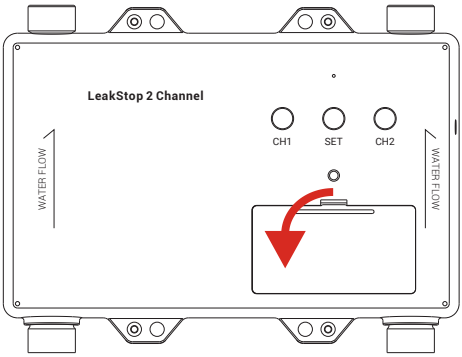


Tap in this area to start the update.

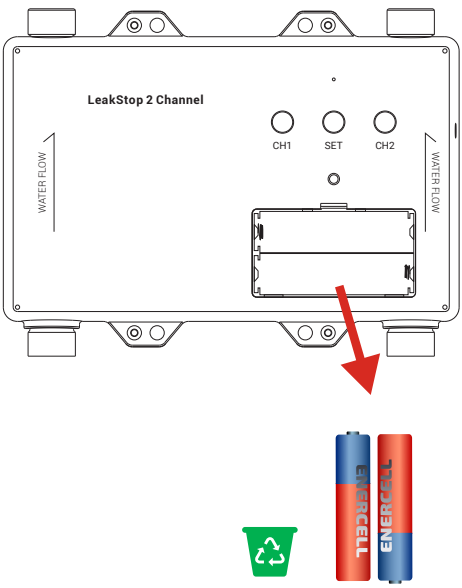
The device will update automatically, indicating progress by percentage-complete. You may use your device during the update, as the update is performed "in the background". The LED will slowly blink green during the update, and the update may continue for several minutes beyond the LED turning off.

Y Battery Replacement

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

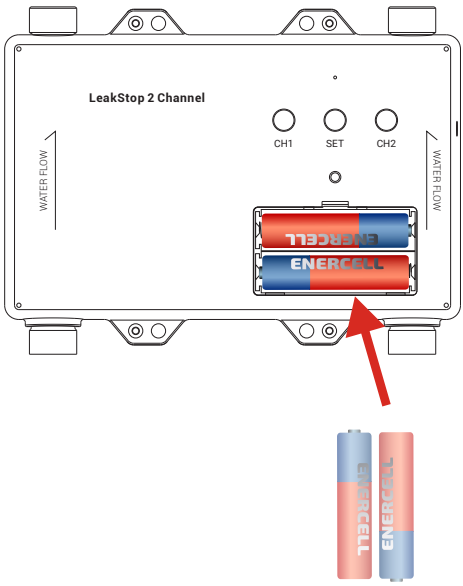


2. Remove the old batteries

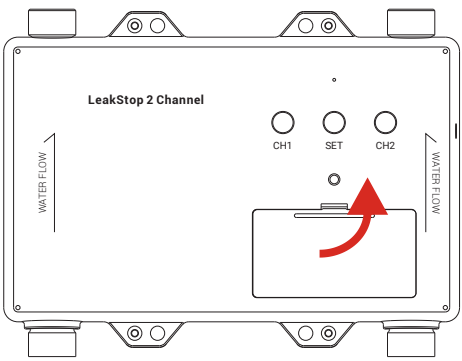


Y Battery Replacement, Continued

3 Install two new alkaline non-rechargeable AA batteries



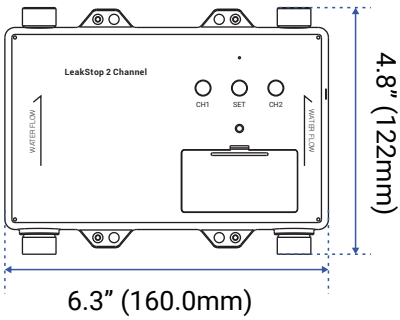
4 Close the battery cover



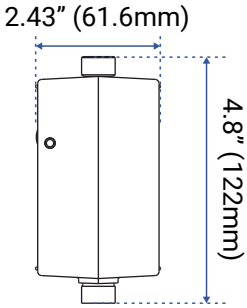
Z Specifications

Voltage:	3VDC (2 non-rechargeable AA batteries)
Device current Draw:	≤ 90uA (standby) ≤ 135mA (work)
Dimensions, Imperial (L x W):	6.3 x 2.43 x 4.8 inches
Dimensions, Metric (L x W):	160 × 61.6 x 122 mm
Environment:	Working Temperature: 32.18°F - 158°F (0.1°C-70°C) Working Humidity: ≤ 90% non-condensing

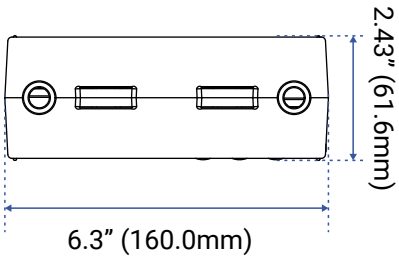
Specifications, Continued



FRONT



SIDE



TOP

AA Warnings

- Please install, operate and maintain the FlowSmart LeakStop 2 Channel only as outlined in this manual. Improper installation or use may damage the unit and/or void the warranty.

- Do not install or use the device outside of the temperature and humidity range listed in the environmental specifications.

- The device is not waterproof, do not immerse or allow the devices to be immersed or submerged in water.

- Avoid placing the devices in extremely dirty or dusty environments.

- If the 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 damage or discolor the exterior and/or damage the electronics, voiding the warranty.

- Do not install the device where it may be subjected to vandalism, abuse, physical impacts or strong vibrations. Physical damage is not covered by the warranty.

- Power the FlowSmart LeakStop 2 Channel only with new battery. Do not use rechargeable batteries, do not use other type batteries (e.g. zinc blend).

Warnings, Continued

- If storing the FlowSmart LeakStop 2 Channel for extended periods, remove the battery.
- Please contact Customer Support before attempting to repair, disassemble or modify the device, any of which can permanently damage the device and void the warranty.

AB Warranty

2 Year Limited Mechanical Device Warranty

YoSmart warrants to the original user of this product that it will be free from defects in materials and manufacturing workmanship, under normal use, for 2 year from the date of purchase for the FlowSmart LeakStop 2 Channel.

The warranty does not cover abuse or misused products, nor does this warranty apply to products that have been improperly installed, were modified, or put to a use other than designed. This warranty does not cover products subjected to acts of God (such as floods, lightning strike or electrical surge, or earthquakes, etc.).

This warranty is limited to repair or replacement of the product only at YoSmart's sole discretion. YoSmart will NOT be liable for any costs associated with removing or reinstalling the product. YoSmart will NOT be liable for direct or indirect or consequential damages to persons or property resulting from the use of this product.

The warranty only covers the cost of replacement products or parts. It does not cover shipping and handling charges or fees.

To implement this warranty, please refer to the Contact Us section of this guide.

FCC Statement

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.

FCC Statement, Continued

- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

PRODUCT NAME:
FLOWSMART LEAKSTOP 2 CHANNEL

PARTY:
YOSMART, INC.

TELEPHONE:
831-292-4831

MODEL NUMBER:
YS5029-UC

ADDRESS:
25172 ARCTIC OCEAN DRIVE, SUITE 106
LAKE FOREST, CA 92630 USA

EMAIL:
SERVICE@YOSMART.COM

AD Contact Us

We are here for you, if you ever need any assistance installing, setting up or using a YoLink app or product!

Need help? For fastest service, please email us 24/7 at **service@yosmart.com**

Or call us at **831-292-4831** (US phone support hours: **Monday - Friday, 9AM to 5PM** Pacific)

You can also find additional support and ways to contact us at:
www.yosmart.com/support-and-service

Or scan the QR code:

Support Home Page

Finally, if you have any feedback or suggestions for us, please email us at
feedback@yosmart.com

Thank you for trusting YoLink!

YoLink Customer Support

YOLINK

25172 Arctic Ocean Drive, Suite 106 Lake Forest, CA 92630
© 2025 YOSMART INC. CALIFORNIA, USA