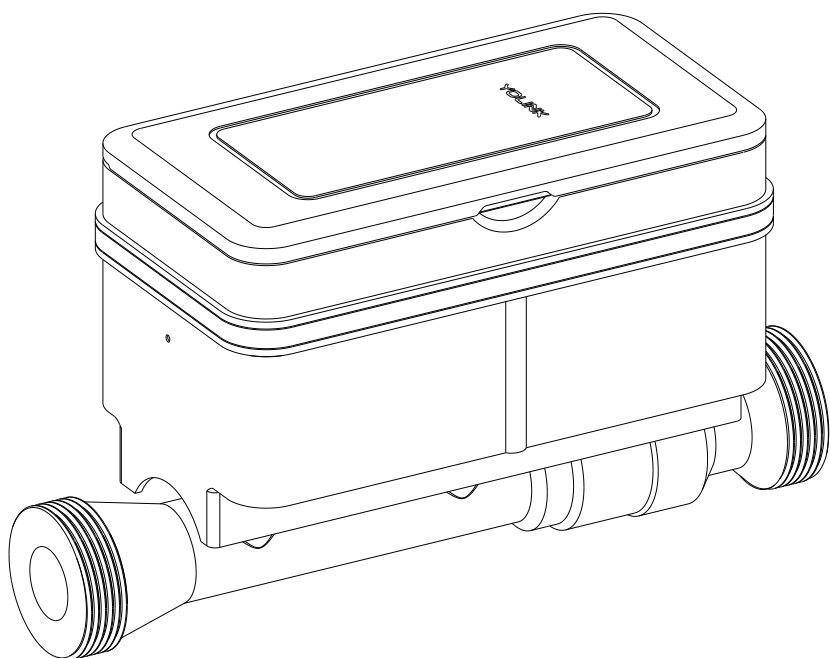




FlowSmart All-in-One

YS5018-UC



Installation & User Guide

Revision Jul. 29, 2026

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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 All-in-One support page on our website, for the latest installation guides, additional resources, information and videos by visiting:

<https://www.yosmart.com/support/YS5018-UC>

Or by scanning the QR code:



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

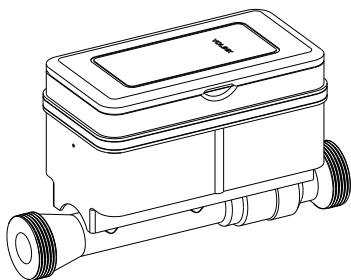


B Before You Begin, Continued

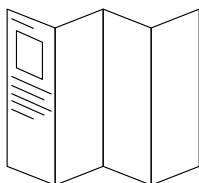


Your FlowSmart All-in-One connects to the internet via a YoLink hub, and it does not connect directly to your WiFi or local network. In order for remote access to the device from the app, and for full functionality, a hub is required. This guide assumes the YoLink app has been installed on your smartphone,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

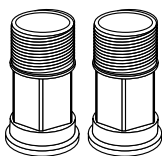
C In the Box



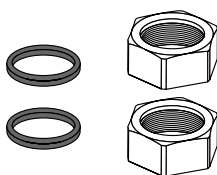
FlowSmart All-in-One



Quick Start Guide



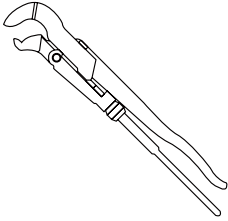
Spud Coupling (2)



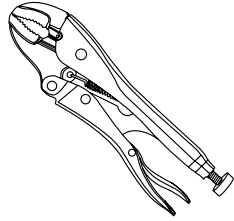
Rubber Gasket (2) /Nut (2)

D Required Items

These items may be required to install the water meter:



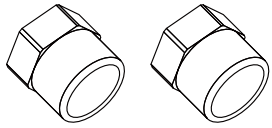
Pipe Wrench



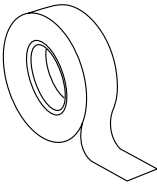
Locking Pliers



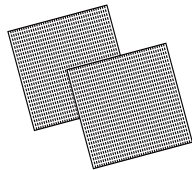
Copper Pipe Cutting Tool



Female NPT Pipe Fitting (2)



Thread Seal Tape



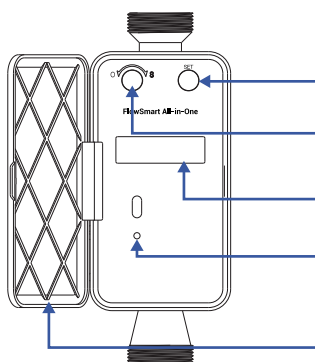
Sandpaper

E

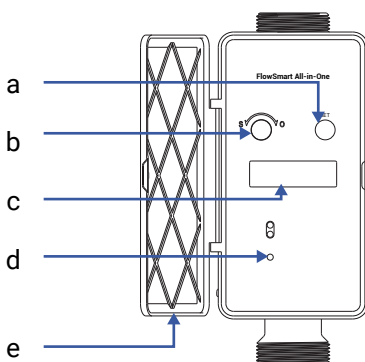
Get to Know Your FlowSmart All-in-One

FlowSmart All-in-One:

DN20/25:



DN32/40/50:



a. SET button

b. Manual Control Valve

DN15~25

Remove the rubber pads, insert the hex key wrench, press down firmly while rotating clockwise to shut the valve or counterclockwise to open it. Maintain downward pressure throughout to prevent slippage.

DN32~50

Remove the rubber pads, insert the hex key wrench, press down firmly while rotating counterclockwise to shut the valve or clockwise to open it. Maintain downward pressure throughout to prevent slippage.

c. Device Screen

d. LED Status Indicator

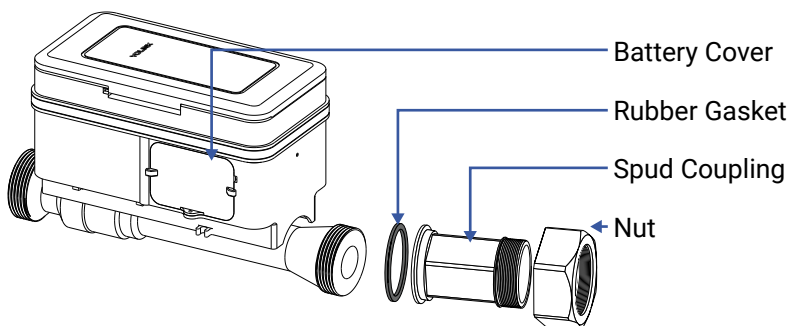
e. Gauge Cover

E

Get to Know Your FlowSmart All-in-One



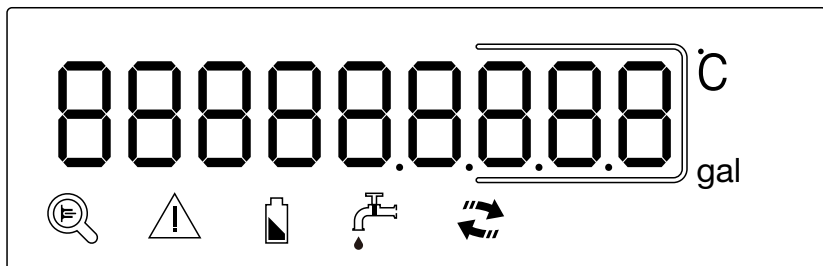
Note: When manually operating the valve, be sure to monitor the LED indicator for the valve's status. The LED will quickly blink red or green twice to show the current status. Avoid over-closing or over-opening the valve, as this could damage the device.



E

Get to Know Your FlowSmart All-in-One, Continued

How to read the meter gauge:



°C Current Temperature

 Empty Pipe Alert

 Water Meter Calibrating

 Valve Closing/Closed

 Device Alert Indicator

 Flow Direction Indicator

 Low Battery Alert

If the valve status cannot be identified, the valve icon will not be displayed.

LED Behaviors

 **Blinking Red Once, Then Green Once**
Device Start-Up

 **Quick Blinking Green Twice**
Valve is Open

 **Blinking Red And Green Alternately**
Restoring to Factory Defaults

 **Quick Blinking Green**
Control-D2D Pairing in Progress

 **Blinking Red Once**
Valve Closing

 **Quick Blinking Red**
Control-D2D Unpairing in Progress

 **Blinking Green Once**
Valve Opening

 **Slow Blinking Green**
Updating

 **Slow Blinking Green Twice**
Connecting to Hub

 **Fast Blinking Red Every 30 Seconds or Fast Blinking Red 5 Times when pressing the SET Button**
Batteries are Low, Please Replace the Batteries

 **Quick Blinking Red Twice**
Valve is Closed



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.



Apple phone/tablet
iOS 9.0 or higher



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.

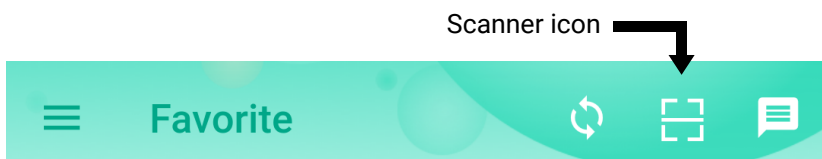
Log in to the app using your new username and password.

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.

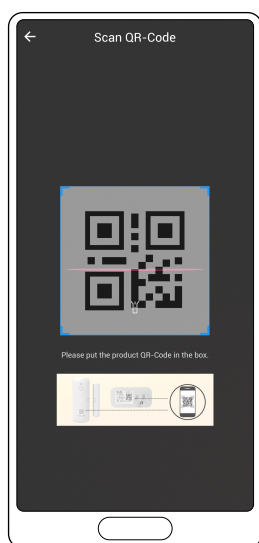
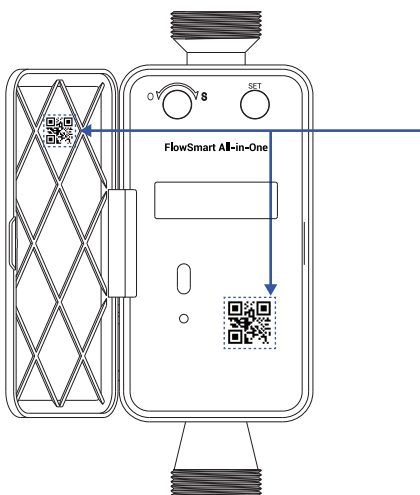


Add Your Device to the App

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.



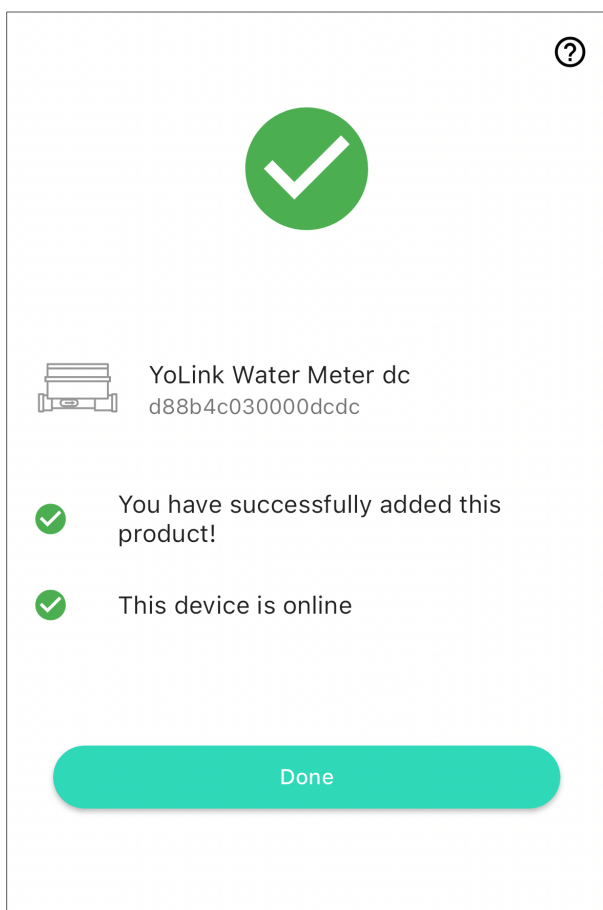
3. Hold the phone over the QR code so that the code appears in the viewfinder. You can scan either the sticker QR code on the water meter cover or the laser-engraved QR code—both work the same. If successful, the **Add Device** screen will be displayed.



Add Your Device 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 All-in-One is not already on, press the SET button for a moment, until the LED illuminates briefly.



Installation Requirements



Note: For ultrasonic water meters that have been installed, under freezing conditions in winter, to prevent the pipes from being cracked by the ice and potentially damaging the ultrasonic sensors, it is crucial to at least open one valve (either the valve before the water meter or the water inlet valve/ faucet inside the user's room). This is particularly important in situations where the area is not currently occupied by inhabitants or water is not being used.

Due to the different measuring principles from mechanical water meters, ultrasonic water meters cannot have empty pipes or accumulate a lot of bubbles inside, as this would prevent the transmission of ultrasonic signals, resulting in the meter not counting or inaccurate measurement.

Moreover, to prevent fluctuations in the water pressure within the pipelines from affecting the normal operation of the meter by causing water to oscillate back and forth in the measuring section, **it is strongly recommended to install a check valve at the inlet of the ultrasonic water meter.**



Installation Requirements, Continued

1. Precautions Before Installation:

- (1) Thoroughly clean the pipes before installing the ultrasonic water meter to avoid debris damaging the meter.
- (2) Handle the relatively expensive and precise ultrasonic water meter carefully when lifting and placing it; do not directly pull the meter head or sensor wires; keep it away from high-temperature heat sources (like electric welding, to prevent battery explosion injuries and instrument damage).
- (3) Pay special attention to the installation position of the ultrasonic water meter; avoid installing it at the top of the pipe (where air bubbles may accumulate), near elbows (which can create vortex flow), or close to pumps or other equipment (which can cause pulsating flow).
- (4) The connecting pipes upstream and downstream of the ultrasonic water meter should match the size of the meter's mouth; reducing the diameter is not advisable.
- (5) The arrow on the body of the ultrasonic water meter indicates the direction of water flow and must not be installed backwards.



Installation Requirements, Continued

(6) It is recommended to have filters of corresponding sizes installed before the meter; valves of appropriate sizes should be fitted both before and after the meter, allowing separation from the meter body for future maintenance and repairs.

2. Common Installation Suggestions:

(1) If installing a valve or other objects before the meter, ensure a distance of **≥ 5 times (recommended, not required)** the diameter between the meter and the object to prevent inaccurate measurement (as shown in figure A)."

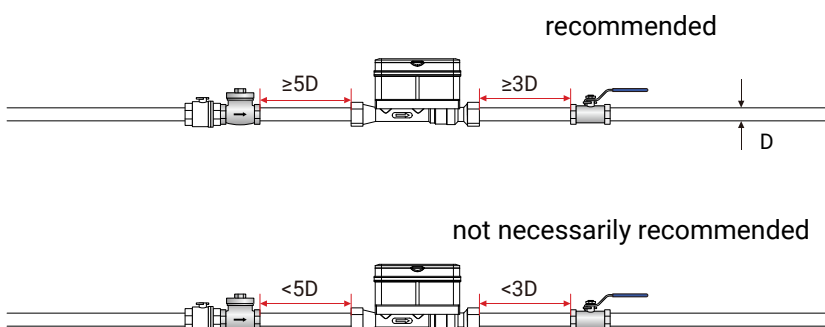


Figure A



Installation Requirements, Continued

(2) When installing the meter vertically, ensure it is on a straight pipe with the water flowing upwards. Installing on a downward-flowing pipe, affected by gravity, might result in incomplete filling of the pipe with water, leading to inaccurate measurement or even no measurement (as shown in figure B).

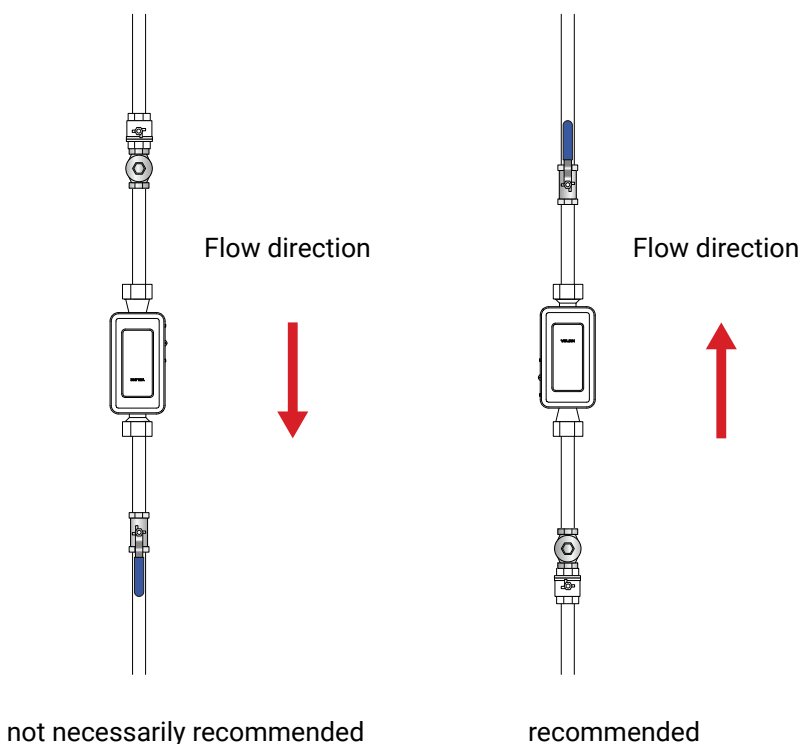


Figure B

H

Installation Requirements, Continued

(3) When installing on a 'U'-shaped pipe, place the meter at the lowest point to prevent air from accumulating at higher sections of the pipe, causing inaccurate or no measurement (as shown in figure C).

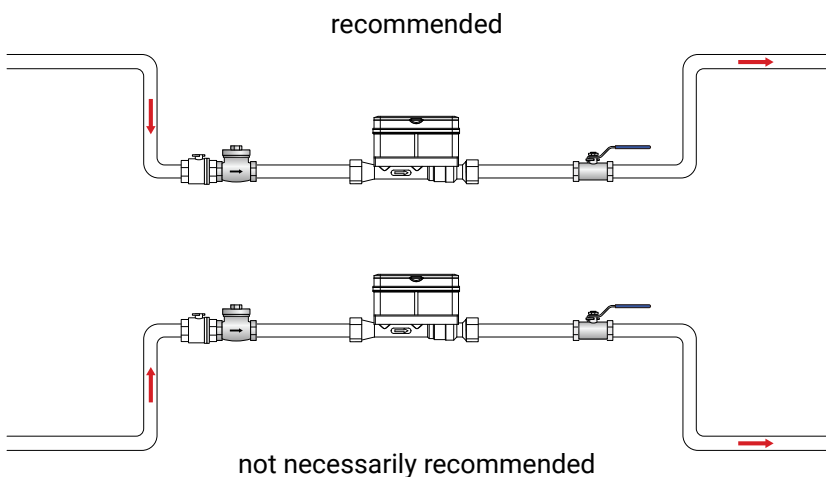
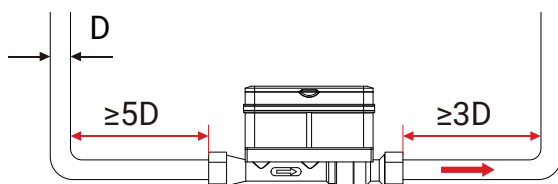


Figure C

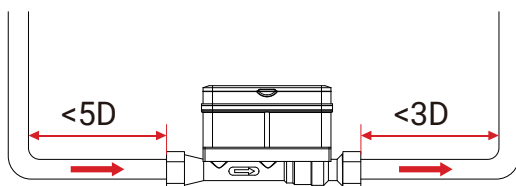


Installation Requirements, Continued

(4) When installing at a bent pipe, ensure a distance of **≥ 5 times (recommended, not required)** the diameter for the straight pipe before and **≥ 3 times (recommended, not required)** the diameter for the straight pipe after the meter to avoid inaccurate measurement (as shown in figure D).



recommended



not necessarily recommended

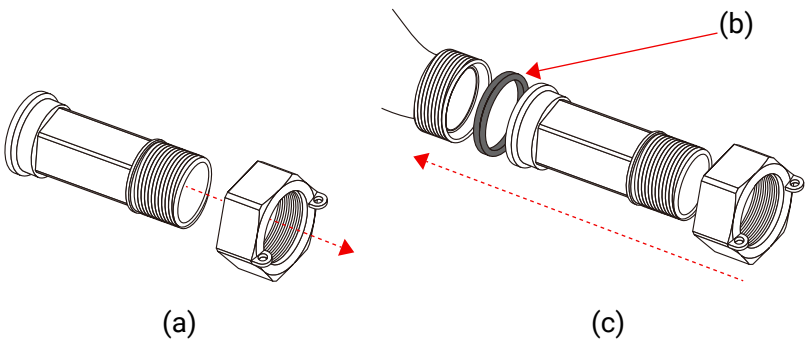
Figure D



Install the FlowSmart All-in-One

Install the FlowSmart All-in-One

1. Identify a suitable location in the piping that satisfies all installation requirements.
2. Assemble the supplied spuds/couplings on the meter:

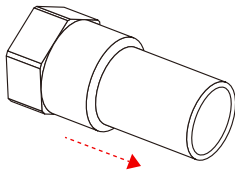


- a. Insert a coupling through the nut.
- b. Place a gasket inside the nut (on top of the coupling flange).
- c. Attach this coupling/gasket/nut assembly onto the meter, by screwing the nut onto the meter.
- d. Hand-tighten.

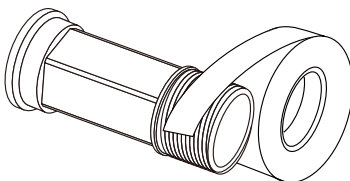


Install the FlowSmart All-in-One, Continued

- 3.** Loose-fit the female pipe fittings (not provided) onto the meter couplings.
- 4.** Holding the meter against the pipe at the installation location, mark the overall length.
- 5.** Cut the piping, using an appropriate pipe-cutting tool, per the tool manufacturer's instructions.
- 6.** Ensure the pipe ends are clean, dry, and free of burrs. Use sandpaper, then a clean dry cloth, to smooth and clean the pipe ends.
- 7.** Remove the female NPT fittings and permanently affix them to the piping [braze, ProPress, SharkBite, etc.] per the fittings manufacturer's instructions.



- 8.** Remove the couplings from the meter.
- 9.** Apply thread sealing tape to the (male) threads of the couplings, covering a minimum of five threads.



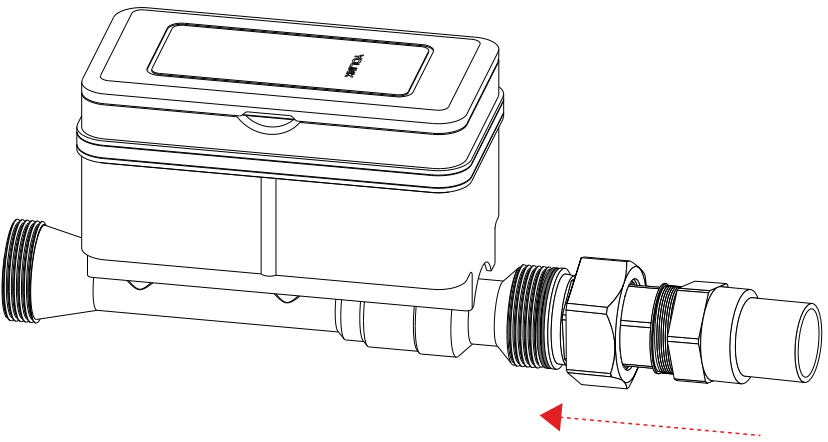


Install the FlowSmart All-in-One, Continued

10. Insert the couplings onto the fittings.
Hand-tighten.

11. Use pipe wrenches to tighten an additional half to one full turn.

****Do not overtighten!****



12. With the dial facing up and with the arrow pointing in the flow direction, hand-tighten the coupling nuts to the meter. (The couplings have a gasket connection; do not use thread sealing tape or pipe dope on the meter's threads.)

13. Use a pipe wrench to tighten the coupling nuts and the fittings an additional quarter turn, to seal the gaskets. ****Do not overtighten!****

14. Open shut-off valves, to allow water to flow.

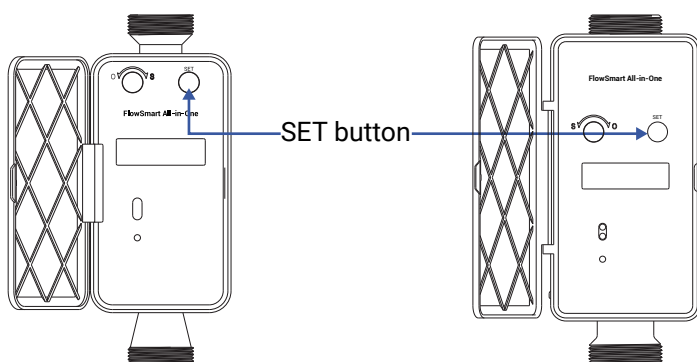
15. Observe all connections, to ensure they are properly sealed, with no leaks.



Power up

DN20/25:

DN32/40/50:



Power up the FlowSmart All-in-One by briefly pressing the SET button, until the LED flashes (red, then green).

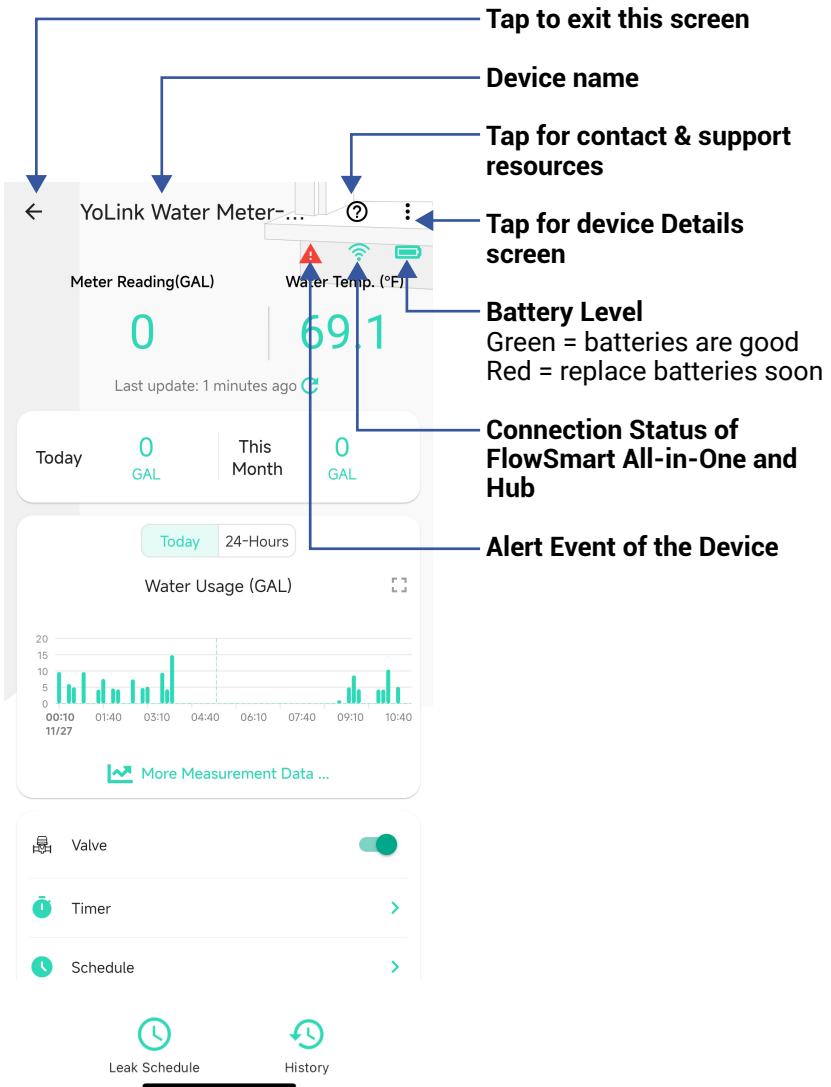


1. To test the FlowSmart All-in-One, first press the SET button on the unit. Listen for a smooth, consistent sound, indicating the motorized valve is functioning properly. Ensure the valve is fully closed; you can verify this by checking that no water is flowing through it, as any water movement might produce a noticeable sound. Additionally, confirm that there's no water coming out of any faucet connected to this valve. After this, press the SET button again to open the valve. Now, open a faucet linked to this valve and observe if water flows smoothly and if the device's reading changes accordingly.
2. For testing the device using the app, start from either the **Rooms** or **Favorites** screen. Find your FlowSmart All-in-One in the list and select its image. Then, use the app controls to turn the valve off and on. Observe the response of the valve to ensure it operates as commanded by the app.



App Functions: Device Screen

In the app, tap on your FlowSmart All-in-One icon. Your FlowSmart All-in-One main screen should be similar to the one shown below.





App Functions: Device Screen, Continued

The screenshot shows the YoLink Water Meter app interface. At the top, the title bar reads "YoLink Water Meter-...". Below the title bar, there are two main sections. The first section displays the "Meter Reading (GAL)" as "0" and the "Water Temp. (°F)" as "69.1". Below these readings, it says "Last update: 1 minutes ago" with a refresh icon. The second section shows "Today" and "This Month" water usage, both at "0 GAL". Below this is a "Water Usage (GAL)" chart for "Today" and "24-Hours". The chart shows a bar graph of water usage over time. Below the chart is a "More Measurement Data ..." link. At the bottom, there are three sections: "Valve" with a toggle switch, "Timer" with a clock icon, and "Schedule" with a clock icon. The "Valve" section has a toggle switch that is currently turned on. The "Timer" section has a clock icon and a "Timer" label. The "Schedule" section has a clock icon and a "Schedule" label. Below the "Schedule" section are two buttons: "Leak Schedule" and "History".

Latest Water Meter Reading

Water Temperature

Last Update Time

Tap to Refresh Readings

This Month's Water Usage

Today's Water Usage

Tap to View and Export Historical Water Flow Data Charts

Tap to open/close the valve

Timer
Set the one-time-timer duration for the valve

Schedule
Create open/close schedules to automate your valve

Device History
Tap to view and download historical logs

Leak Schedule
Create leak detection schedule as needed, it will only display on the device screen when you set the leak detection(on details screen) to Leak Schedule



App Functions: Device Details Screen

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

The screenshot shows the 'Details' screen for a 'YoLink Water Meter'. The screen has a teal header with a back arrow, the title 'Details', and a help icon. Below the header is a list of settings and actions, each with a right-pointing chevron icon. The settings include Type, Name, Room, Favorite, History, Historical Measurement Data, Alert, Time, Valve State, and Valve Maintenance. The bottom section is titled 'Water Meter'.

Device Type

Device 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 flow Data

Alert
Tap to edit Alert Settings (see Alert Settings)

Time
Tap to sync with mobile

Valve State
Open or Close

Valve Maintenance
Tap to disable or set the valve maintenance cycle



App Functions: Device Details Screen, Continued

Details ⓘ

Water Meter

Water Meter Reading 0 GAL

Water Meter Advanced Settings >

Pipe Diameter 40

Version 1.0.195

Other

Model YS5018-UC

Device EUI d88b4c030000dc21

SN 94DA994B77 >

Signal Intensity Strong (-49 dBm) >

Battery

Firmware 1802

Delete

Water Meter Reading

Water Meter Advanced Settings
(see Water Meter Advanced Settings)

Pipe Diameter

Water Meter Version

Model Number

Device EUI
Unique Identifier Number (Unique)

Device Serial Number

Signal Intensity
(From YoLink Hub)

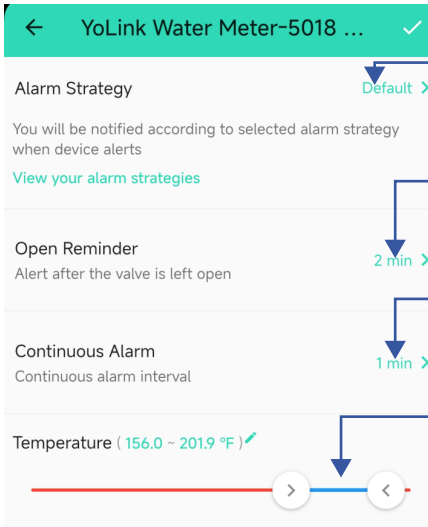
Battery

Firmware Revision
(Refer to page 40)

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



App Functions: Alert Settings Screen



Alarm Strategy

Tap to edit the device's Alarm Strategy

Open Reminder

Alert you when the valve is open for a period of time

Continuous Alarm

Tap to disable or set the alert repeat time

Temperature Alert Range

Tap the slider or pencil icon to control and adjust the high or low alert value



App Functions: Advanced Settings

← Water Meter Settings ✓

General

Water Meter Reading

0 GAL

← **Water Meter Readings**

Water Meter Unit

The unit shown on the water meter.

GAL ▼

← **Tap to switch meter unit**

Leak Detection

Leak Detection

The time period for leak detection, set to Always, OFF, or Leak Schedule.

Always ▼

← **Leak Detection**

The time period for leak detection, set to Always or OFF or as per Leak Schedule, auto shut-off valve is optional

Leak Threshold

The amount of water flowing through the pipe that triggers an alert. This can be set...

1 GAL >

← **Leak Threshold**

Set a threshold to detect leak and trigger an alert when the Leak Detection is set to Always

Overflow Protection

When the device detects continuous water usage exceeding the preset threshold, it will automatically close the valve and trigger an alert.

Maximum Continuous Water Usage

A preset limit for the maximum amount of water allowed to flow through the valve in a single session.

1 GAL >
Auto Shut-off Valve

← **Max Water Usage per Instance**

Alert you when the maximum continuous water usage during a single session reaches your preset limit, auto shut-off valve is optional

Maximum Continuous Water Usage Duration

A preset limit for the maximum amount of time during which water is allowed to flow through the valve in a single session.

Disabled >

← **Max Water Usage Duration per Instance**

Alert you when the maximum time of water used during a single session reaches your preset limit, auto shut-off valve is optional



If the Auto-Shutoff is activated, the valve will start closing after an alarm is triggered. There is a corresponding delay in completely closing the valve, and the amount of water after the valve is closed is slightly greater than the alarm threshold.



App Functions: Schedule

The screenshot shows the 'FlowSmart All-in-One' app interface. At the top, a green header bar contains a back arrow, the app name, and a '+' icon. Below this, a schedule entry is shown with a time '18:53:34', a 'Turn On' label, and a row of day buttons (Sun, Mon, Tue, Wed, Thu, Fri, Sat). A toggle switch is to the right of the days. Below this, another schedule entry shows times '19:02:45' and '19:02:48', a 'Turn On' and 'Turn Off' label, and a row of day buttons. A third schedule entry is partially visible at the bottom, showing '1' and 'Fri', 'Sat' buttons. A dashed box highlights the 'Edit' and 'Delete' options that appear when a schedule is swiped left.

Annotations:

- Tap to add a schedule (points to the '+' icon)
- Tap to edit the schedule (points to the first schedule entry)
- Tap to enable or disable a schedule (points to the toggle switch)
- Swipe left to show Edit and Delete options (points to the 'Edit' and 'Delete' buttons)



You can have a maximum 6 schedules at one time.

The schedule runs on the device (no internet connection required).

You can add more schedules in Automation settings. Automation settings are saved in the cloud.



App Functions: Timer

Turn On After Valve

Slide to enable/disable

Turn Off After Valve

Slide to enable/disable

Set the duration

When enabled, the Valve will close after this timer duration has elapsed

Set the duration

When enabled, the Valve will open after this timer duration has elapsed

The timer starts when the settings are saved (by tapping the checkmark at the upper right of the screen).

You can add more timers in Automation settings. Automation settings are saved in the cloud.



The timer will run only once. You can set a new timer after the timer has already run once or after you cancel it.

The timer runs on the device (no internet connection required).



App Functions: Leak Schedule

The screenshot shows the 'Leak Detection Schedule' screen. At the top is a green header with a back arrow, the title 'Leak Detection Schedule', and a plus icon. Below the header, a schedule is shown with 'Start Detection' at 09:00 and 'End Detection' at 22:00. Days of the week are listed below: Sun, Mon, Tue, Wed, Thu, Fri, Sat. A green toggle switch is to the right. Below the days, 'LeakLimit: 1.32 GAL' is displayed. At the bottom, there is a card with a green toggle switch, an 'Edit' button (pencil icon), and a 'Delete' button (trash can icon). Annotations with arrows point to various elements: the plus icon, the top of the schedule card, the toggle switch, the 'Edit' and 'Delete' buttons, and the 'LeakLimit' text.

- Tap to edit the leak detection schedule
- Tap to add a leak detection schedule
- Tap to enable or disable a leak detection schedule
- Swipe left to show Edit and Delete options
- The leakLimit of this leak detection schedule



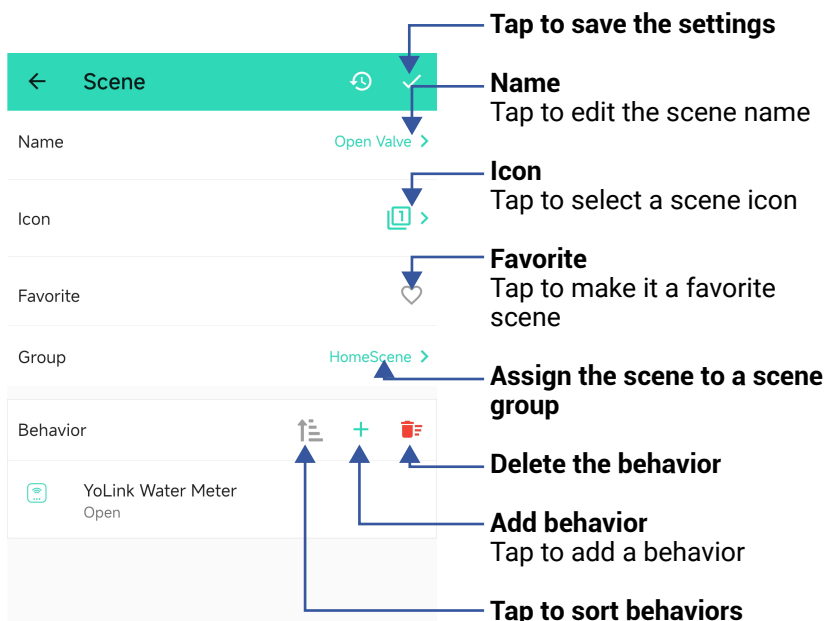
You can have a maximum 6 schedules at one time.

The schedule runs on the device (no internet connection required).

You can add more schedules in Automation settings. Automation settings are saved in the cloud.



App Functions: Smart - Scene



The Scene settings are saved in the cloud.

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



App Functions: Smart - Automation

The FlowSmart All-in-One can be set up as a condition or an action in automation.

The screenshot shows the 'Automation' settings screen. At the top is a green header bar with a back arrow, the title 'Automation', and a checkmark icon. Below this is the 'Name' field with the text 'Unusual Water Usage Close Valve'. The 'When' section shows a trigger icon, 'YoLink Water Meter', and 'Water usage warning'. The 'Then' section shows a list of behaviors, with 'FlowSmart All-in-One Close' selected. The 'Working Time' section shows 'Always Working'. At the bottom is the 'Advanced Settings' section. Annotations with arrows point to various elements: 'Tap to save the settings' points to the checkmark icon; 'Edit the name of the automation' points to the name field; 'Tap to set a schedule for the automation' points to the 'When' section; 'Add behavior' points to the plus icon; 'Delete the behavior' points to the trash icon; 'Tap to sort behaviors' points to the sort icon; 'Always Working' points to the 'Always Working' text; and 'Advanced Settings' points to the 'Advanced Settings' section.

Tap to save the settings

Edit the name of the automation

Tap to set a schedule for the automation

Add behavior
Tap to add a behavior

Delete the behavior

Tap to sort behaviors

Always Working
Tap to set when the automation can be activated

Advanced Settings
Tap to edit advanced automation and logging settings

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.

The screenshot shows the 'Alarm Strategy' settings screen. The header is green with a back arrow, a question mark icon, and the title 'Alarm Strategy'. Below the header, there are several sections: 'Name' with a value of 'Always' and a chevron; 'Related Devices' with a value of '1' and a chevron; 'Enable Device Alarm' with a toggle switch that is turned on; 'Do Not Disturb' with a toggle switch that is turned off; 'Send App Notification' with a value of 'Admin' and a dropdown arrow, followed by a link 'Notification Settings ...' and a description 'Will send App Notification to the administrator of this home when device alerts'; 'Send Email' with a value of 'None' and a dropdown arrow, followed by a description 'Will not send Email when device alerts'; 'Send SMS' with a value of 'None' and a dropdown arrow, followed by a description 'Will not send SMS when device alerts'; and 'Trigger Action' with a value of 'None' and a chevron, followed by a description 'Have not set any action'. At the bottom is a green 'Save' button. Annotations with arrows point to the question mark icon, the 'Always' value, the '1' value, the 'Enable Device Alarm' toggle, and the 'Do Not Disturb' toggle.

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

The screenshot shows the 'Alarm Strategy' screen with the following elements and annotations:

- Name:** Always >
- Related Devices:** 1 >
- Enable Device Alarm:** Toggle switch is turned on.
- Do Not Disturb:** Toggle switch is turned off.
- Send App Notification:** Admin > (An arrow points from the 'Send App Notification' text to the 'Admin' dropdown menu.)
- Notification Settings (iOS only):** Will send App Notification to the administrator of this home when device alerts (An arrow points from the 'Notification Settings' text to the 'Send App Notification' section.)
- Send Email:** None > (An arrow points from the 'Send Email' text to the 'None' dropdown menu.)
- Send SMS:** None > (An arrow points from the 'Send SMS' text to the 'None' dropdown menu.)
- Trigger Action:** None > (An arrow points from the 'Trigger Action' text to the 'None' dropdown menu.)
- Save:** A green button at the bottom.

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)

V 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 All-in-One.



Use of YoLink Control-D2D is optional.

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

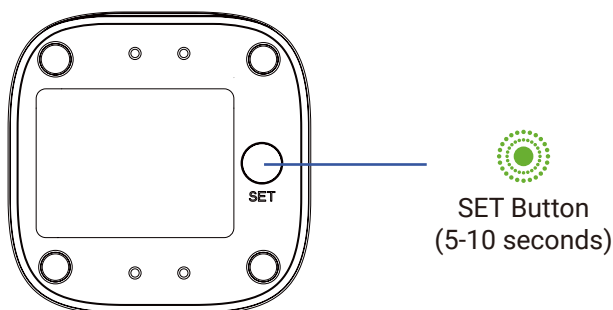
Pairing is separate from the app and any automation, scenes or alarm strategies you may have configured in the app. Use care to not create automations that conflict with Control-D2D-pairing and vice-versa.

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

V Control D2D, Continued

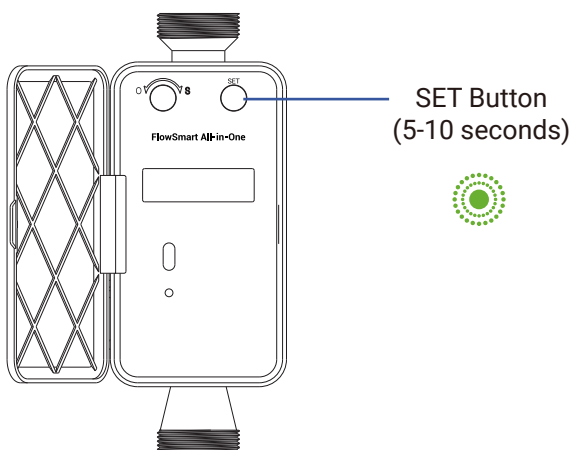
Pairing

1. To configure a Water Leak Sensor 1 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 Flowsmart All-in-One as a responder, first ensure that the valve is in the closed position. 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. Ensure the valve is in the normal (open) position.
2. Test the water leak sensor (if needed, refer to the sensor user guide for testing instructions).
3. Verify that the valve closes immediately when the leak sensor is activated.

Unpairing

1. At the Water Leak Sensor, 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 Flowsmart All-in-One, 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 Water Leak Sensor LED or the Flowsmart All-in-One LED will stop blinking and turn off.

At this time, you can test the leak sensor to confirm it no longer activates the valve controller. If you also have any automations or alarm strategies that may also control the valve, disable them before testing.



Using the App & 3rd-Party Services

The YoLink FlowSmart All-in-One 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.

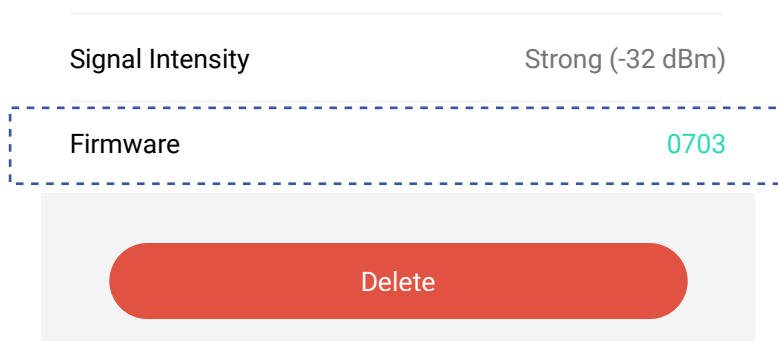


Only deleting a device from the app will remove it from your account. Factory reset will not delete the device from the app.

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"

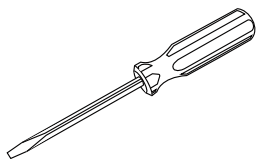


Tap in this area to start the update.

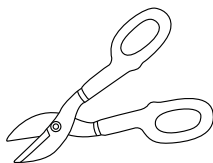
The device will update automatically, indicating progress by percentage-complete. You may use your device during the update, as the update is performed "in the background". The LED will slowly blink green during the update, and the update may continue for several minutes beyond the LED turning off.

Z Battery Replacement

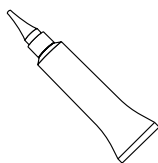
Tools Required:



Flat-Head Screwdriver



Scissors

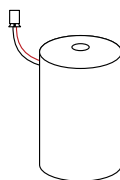


Waterproof Potting Compound
(or Glue/Sealant)

Required Items:



Waterproof Protective Sleeve



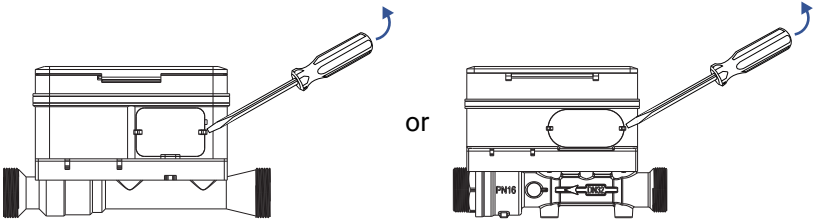
DN15-25: ES-341550/W

DN32-50:
ER34615C+SPC1520A/W

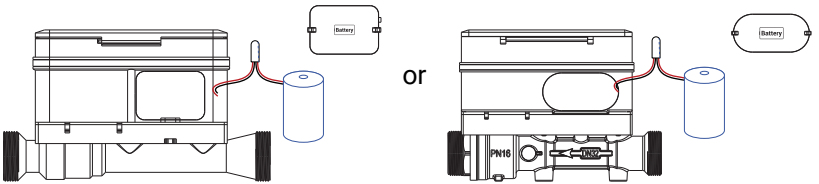
Z

Battery Replacement, Continued

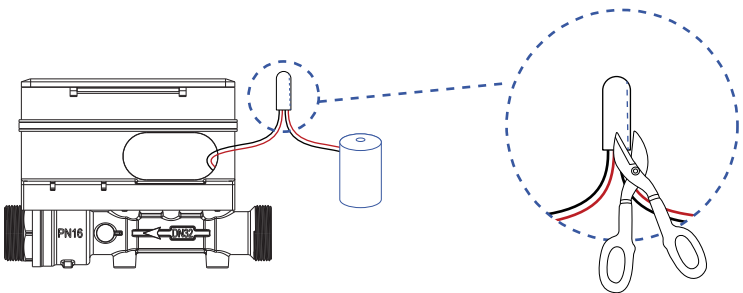
1. Use a flat-head screwdriver to gently pry open the battery cover.



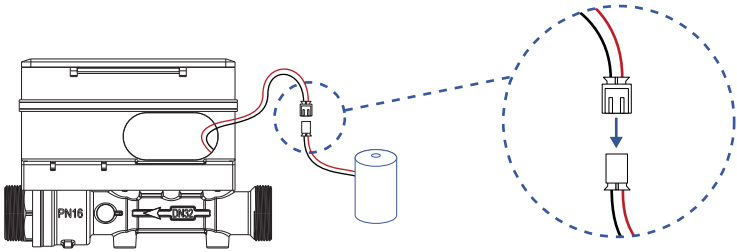
2. Remove the old battery and carefully take out the wire connector from the compartment.



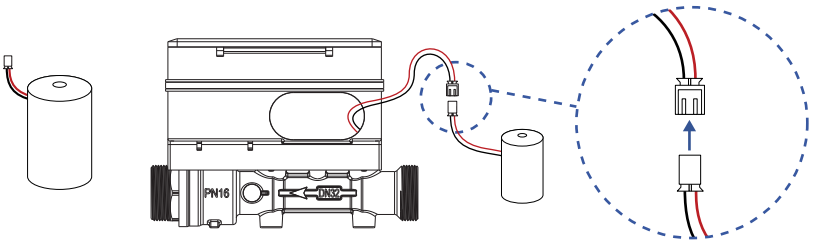
3. Use scissors to cut open the waterproof protective sleeve at the wire connection. Be careful not to damage the wires.



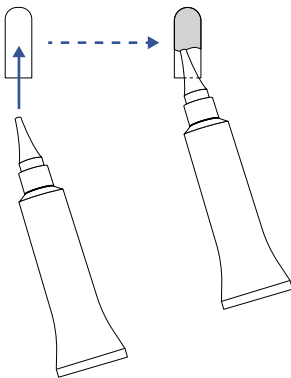
4. Clean the connector area and disconnect the battery wires.



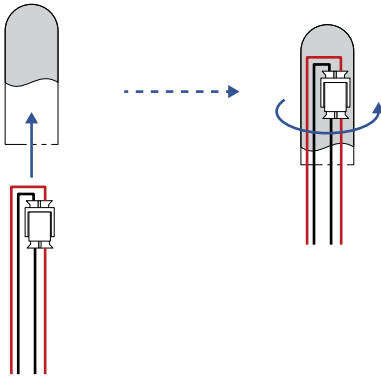
5. Connect the new battery to the wire connector.



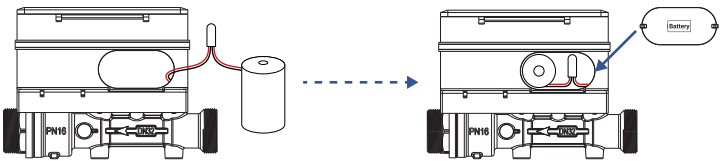
6. Insert the connector into the waterproof protective sleeve.



7. Fill the sleeve with waterproof potting compound (or glue/sealant) until the connector is fully covered.



8. Place the battery and the sealed connector back into the compartment, then securely close the battery cover.





Specifications

Environment: Working Temperature:
0°C - 55°C
(32°F - 131°F)

Working Humidity:
≤ 90% non-condensing

Operating Voltage: DC3.6V Lithium
19000mAh
non-rechargeable

Current: ≤ 120μA (standby)
≤ 170mA (work)

Pressure Loss Class: Δp63

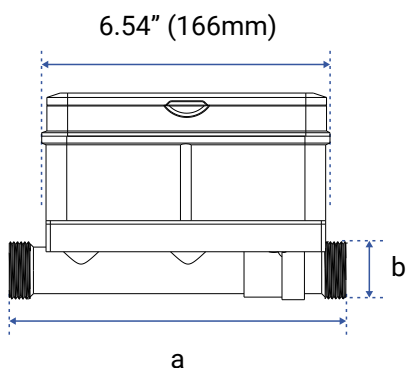
Waterproof Rating: IP67

Sensitivity Class: U5/D3

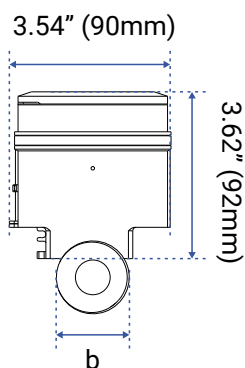
Pressure Rating: 232 psi (1.6 MPa)



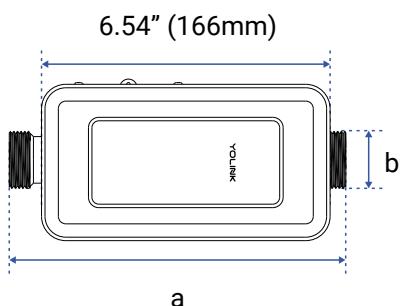
Specifications, Continued



FRONT



SIDE

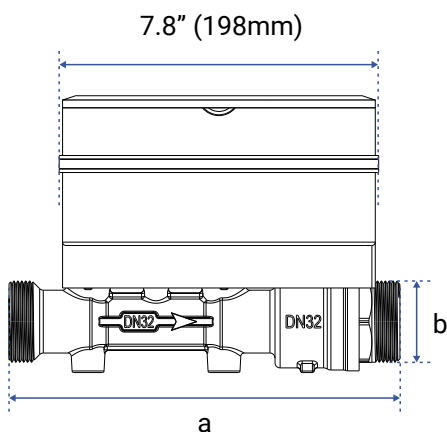


TOP

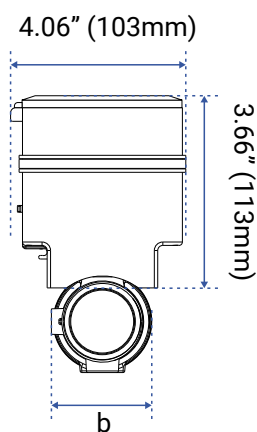
	a	b Thread
DN15	7.72" (196mm)	1 NPT
DN20	7.72" (196mm)	1 NPT
DN25	8.86" (225mm)	1 ¼ NPT



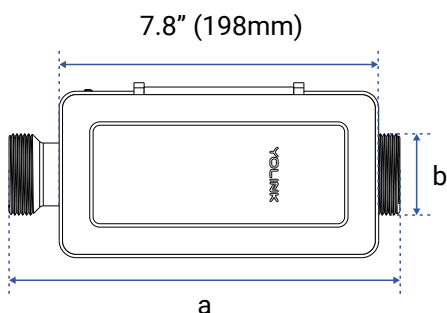
Specifications, Continued



FRONT



SIDE



TOP

	a	b Thread
DN32	9.06" (230mm)	1 ½ NPT
DN40	9.45" (240mm)	2 NPT
DN50	9.65" (245mm)	2 ½ NPT

Error Type	Indicator	Cause	Solution
Battery Issue	 Constantly On	Battery under-voltage or poor connection	Check the connection cable or replace the battery.
Empty Pipe Error	 Blinking	No water in the pipe section or the section is not fully filled with water	Ensure the pipe section is completely filled with water and remove any air bubbles
Reverse Flow Error	 Constantly On	Inlet and outlet of the pipe section are connected in reverse	Swap the inlet and outlet ends of the pipe section
Over Range Error	 Constantly On	Current instantaneous flow rate is too high	Reduce the flow rate or replace with a meter suitable for the required range

Error Type	Indicator	Cause	Solution
Water Temperature Error	 Constantly On	Water temperature is too high	Lower the water temperature or switch to a meter that matches the specification
EE Error	 Constantly On	EE memory failure	Replace the circuit board, contact customer support



Warnings

- Please install, operate and maintain the FlowSmart All-in-One 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.
- If used outdoors, for the maximum life of the device, provide overhead cover or a protective enclosure. This can protect it from the damaging effects of intense direct sunlight and/or rain over a period of years.
- 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.



Warnings, Continued

- Power the FlowSmart All-in-One only with new battery. Do not use rechargeable batteries, do not use other type batteries (e.g. zinc blend).
- If storing the FlowSmart All-in-One 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.



1 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 1 year from the date of purchase for the FlowSmart All-in-One.

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.

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

PRODUCT NAME:
FLOWSMART ALL-IN-ONE

PARTY:
YOSMART, INC.

TELEPHONE:
831-292-4831

MODEL NUMBER:
YS5018-UC

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

EMAIL:
SERVICE@YOSMART.COM



- English:

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

To maintain compliance with RSS-102 RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

- French:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Pour être conforme aux lignes directrices d'exposition RF RSS-102, cet équipement doit être installé et exploité à une distance minimale de 20cm entre le radiateur et votre corps: n'utilisez que l'antenne fournie.



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
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