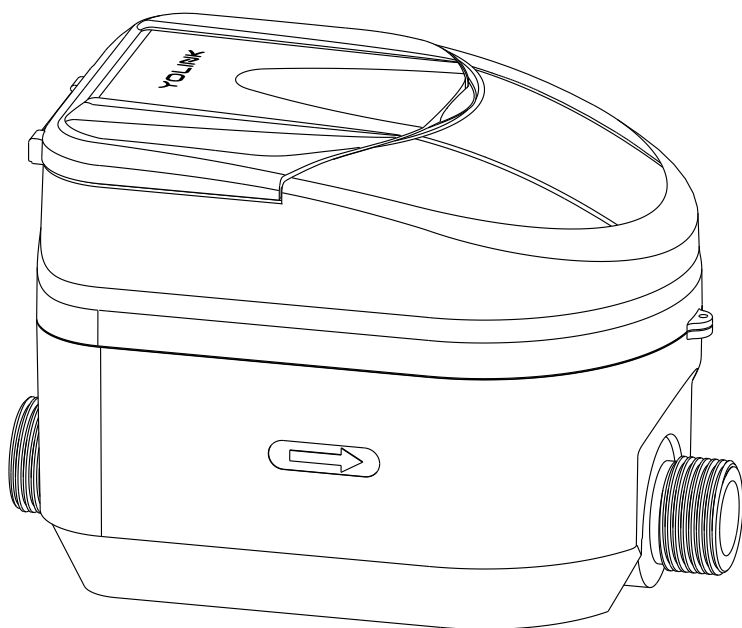




FlowSmart All-in-One

YS5008-UC



Installation & User Guide

Revision Apr. 26, 2024

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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/YS5008-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

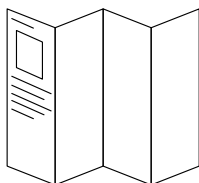


Your FlowSmart All-in-One connects to the internet via a YoLink hub, and it does not connect directly to your WiFi or local network. In order for remote access to the device from the app, and for full functionality, a hub is required. This guide assumes the YoLink app has been installed on your smartphone,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



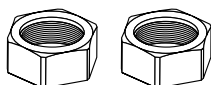
FlowSmart All-in-One



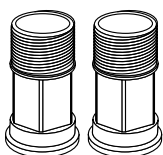
Quick Start Guide



Rubber Gasket (2)



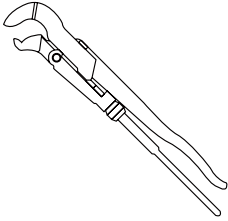
Nut (2)



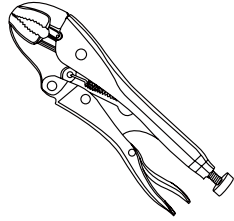
Spud Coupling (2)

D Required Items

These items may be required to install the water meter:



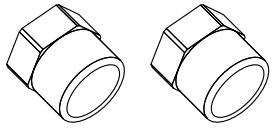
Pipe Wrench



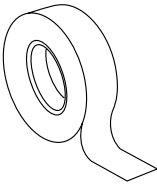
Locking Pliers



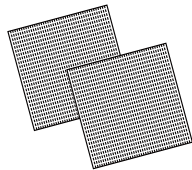
Copper Pipe Cutting Tool



Female NPT Pipe Fitting (2)



Thread Seal Tape

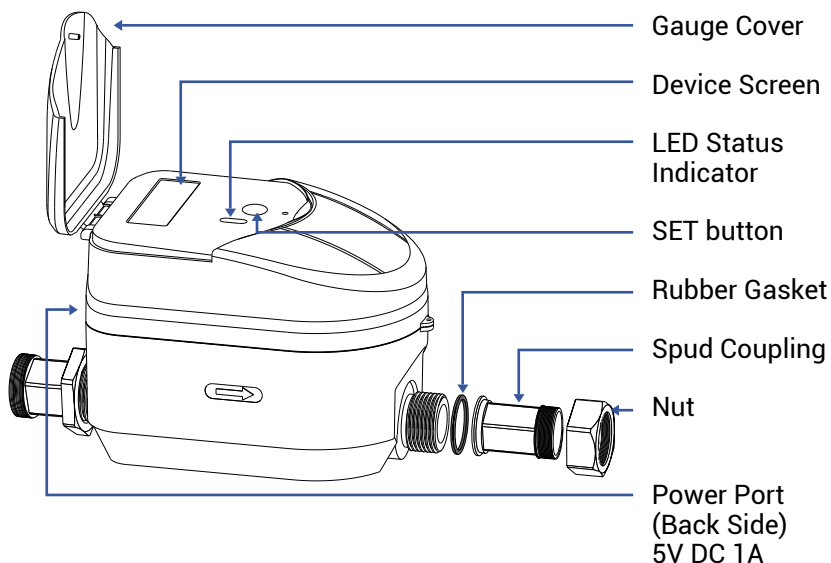


Sandpaper

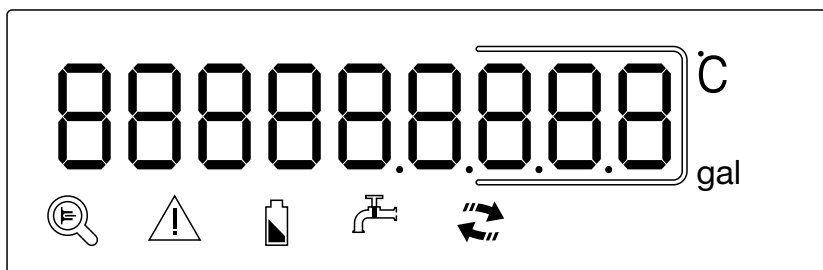
E

Get to Know Your FlowSmart All-in-One

FlowSmart All-in-One:



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



Get to Know Your FlowSmart All-in-One, 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



Blinking Green Once
Valve Opening



Slow Blinking Green Twice
Connecting to Hub



Quick Blinking Green
Control-D2D Pairing in Progress



Quick Blinking Red
Control-D2D Unpairing in Progress



Slow Blinking Green
Updating



Fast Blinking Red Once Every 30 Seconds
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.



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.

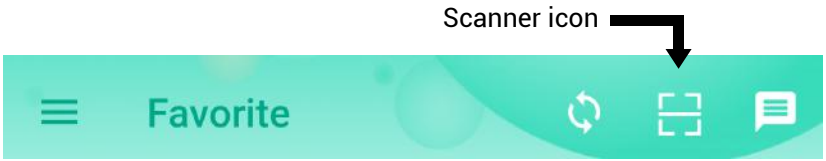
Log in to the app using your new username and password.

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.

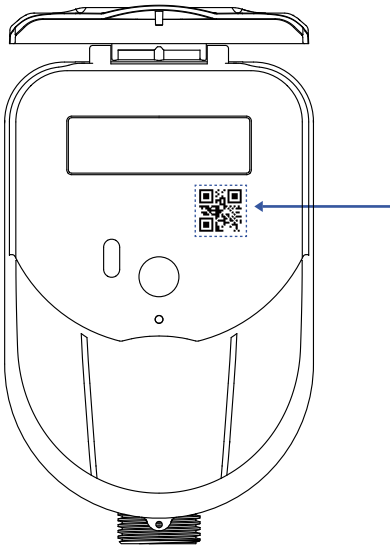


Add Your Valve to the App

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.



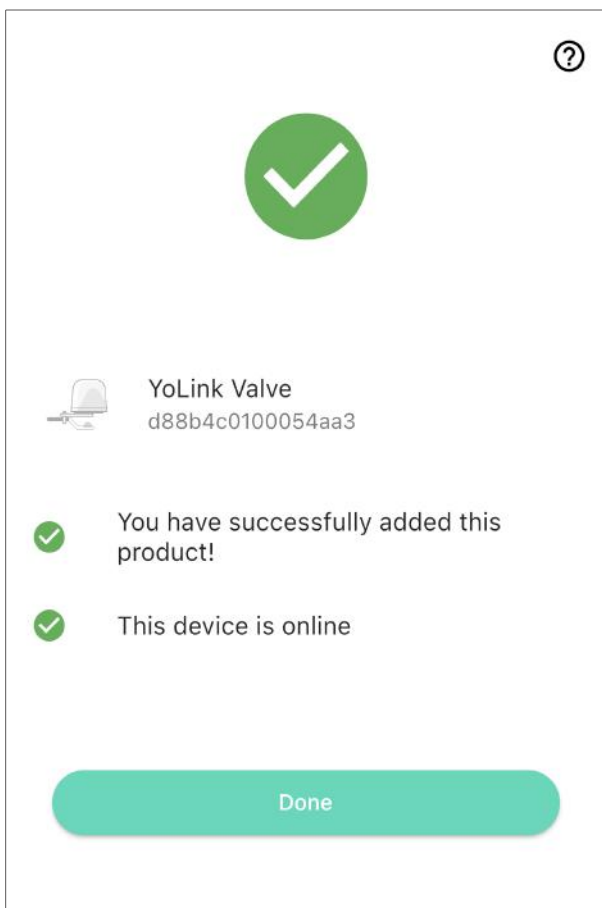
3. Hold the phone over the QR code so that the code appears in the viewfinder. If successful, the **Add Device** screen will be displayed.



Add Your Fob 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 there is no one living 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 outlet of the ultrasonic water meter.**

Based on the above reasons, the recommended installation method is as follows:



Installation Requirements, Continued

Horizontal Installation:

For horizontal installation, it is suggested to arrange the pipes in a 'U' shape, as shown as shown in figure A. In this case, the ultrasonic water meter section at the lower position will maintain a full pipe.

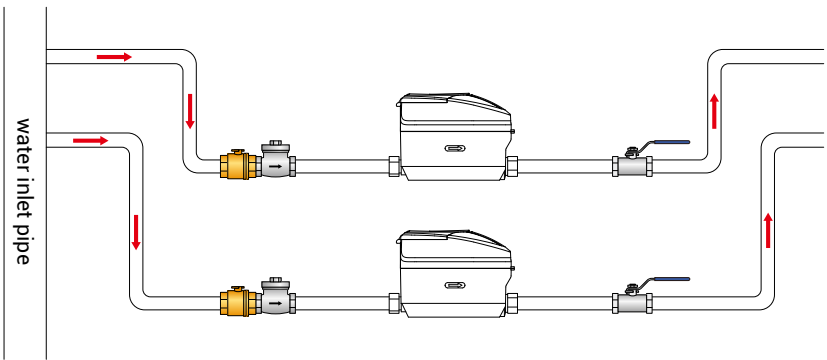


Figure A



Installation Requirements, Continued

Vertical Installation:

For vertical installation, as shown in figure B, the water flow should enter from the bottom and exit from the top at the meter. This arrangement prevents air bubbles from accumulating in the meter's measuring pipe when water is flowing.

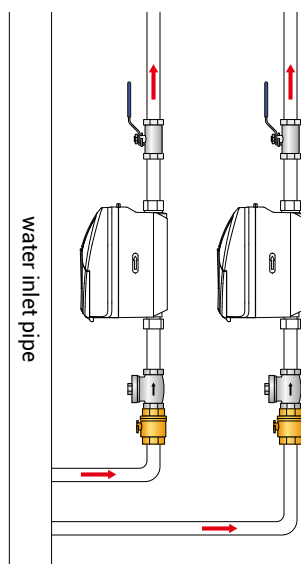


Figure B

Compromise installation (horizontal):

When the recommended horizontal installation is challenging to implement due to on-site conditions, the installation should at least be carried out as shown in the figure C.

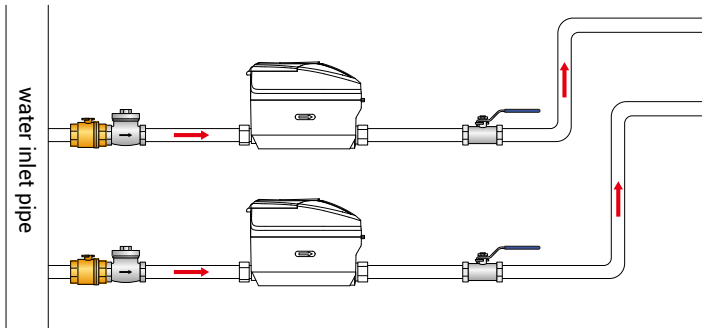


Figure C

In the figure, the pipe section before the water meter can be parallel to the body of the meter (unlike the recommended method, which eliminates the right-angle bends), but the pipe section after the meter must be arranged as shown to avoid bubble accumulation in the pipe.



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 Errors:

(1) 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 D).

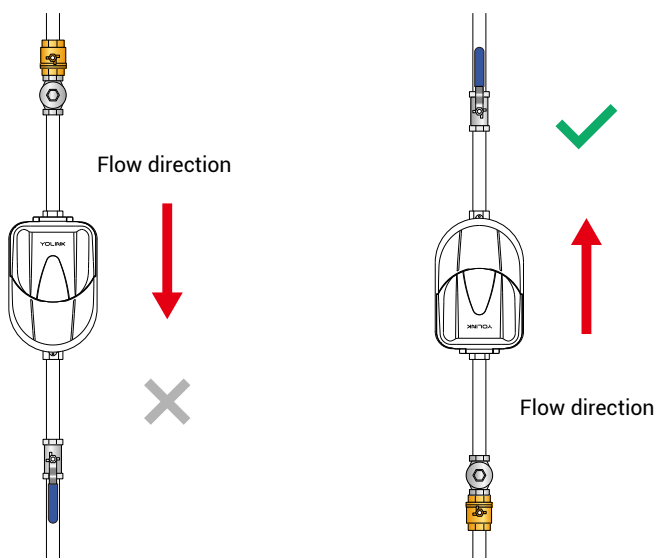


Figure D



Installation Requirements, Continued

(2) 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 E).

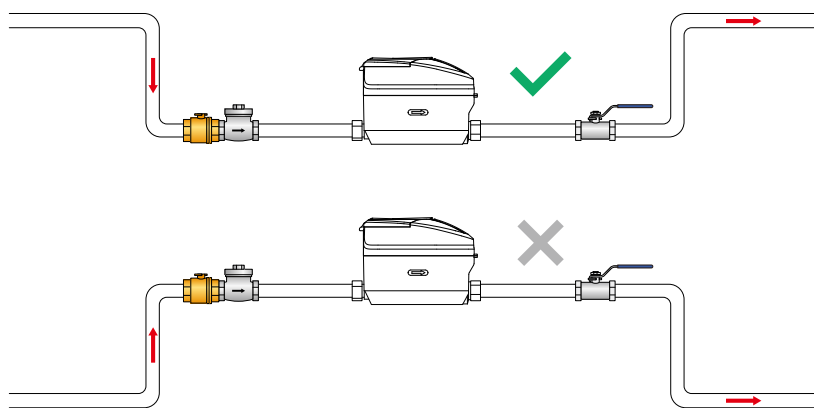


Figure E

(3) When installing at a bent pipe, ensure a distance of ≥ 5 times the diameter for the straight pipe before and ≥ 3 times the diameter for the straight pipe after the meter to avoid inaccurate measurement (as shown in figure F).

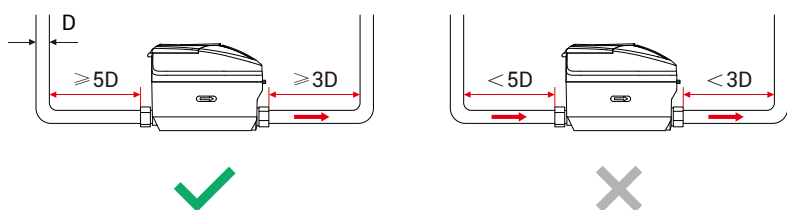


Figure F



Installation Requirements, Continued

(4) If installing a valve or other objects before the meter, ensure a distance of ≥ 5 times the diameter between the meter and the object to prevent inaccurate measurement (as shown in figure G)."

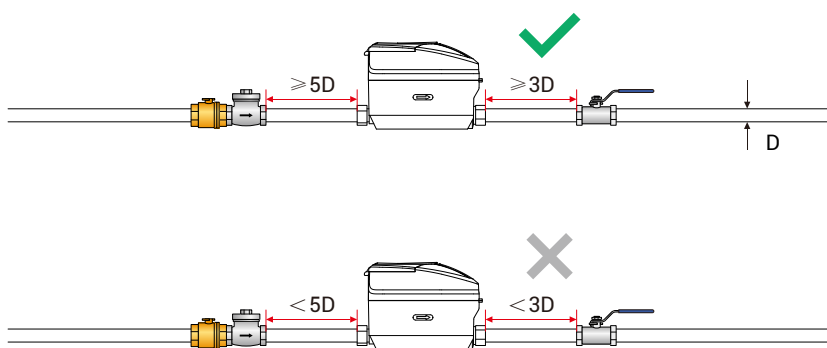
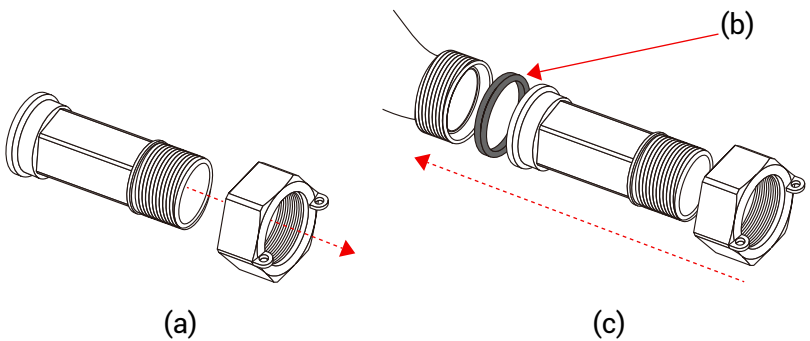


Figure G

I Installation

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:

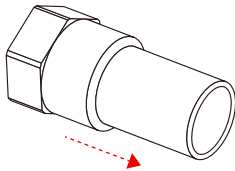


- a. Insert a coupling through the nut.
- b. Place a gasket inside the nut (on top of the coupling flange).
- c. Attach this coupling/gasket/nut assembly onto the meter, by screwing the nut onto the meter.
- d. Hand-tighten.

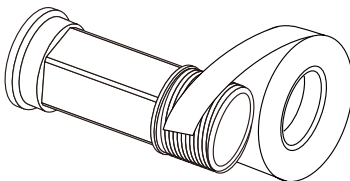


Installation, Continued

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 [brazed, 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.



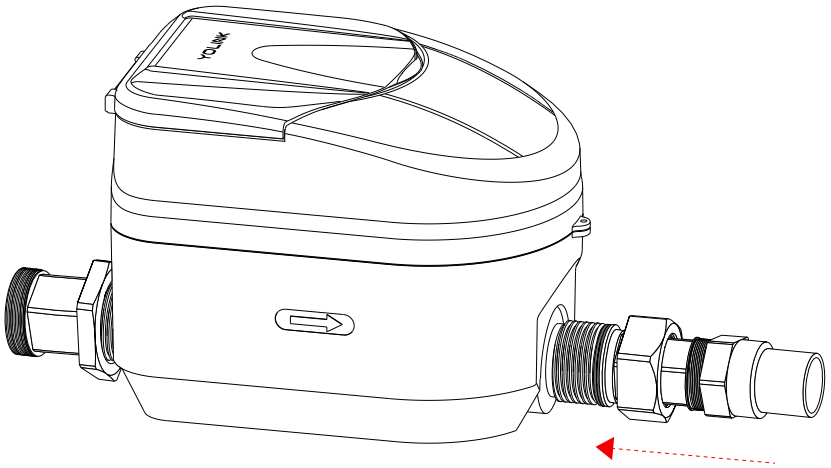


Installation, Continued

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!****

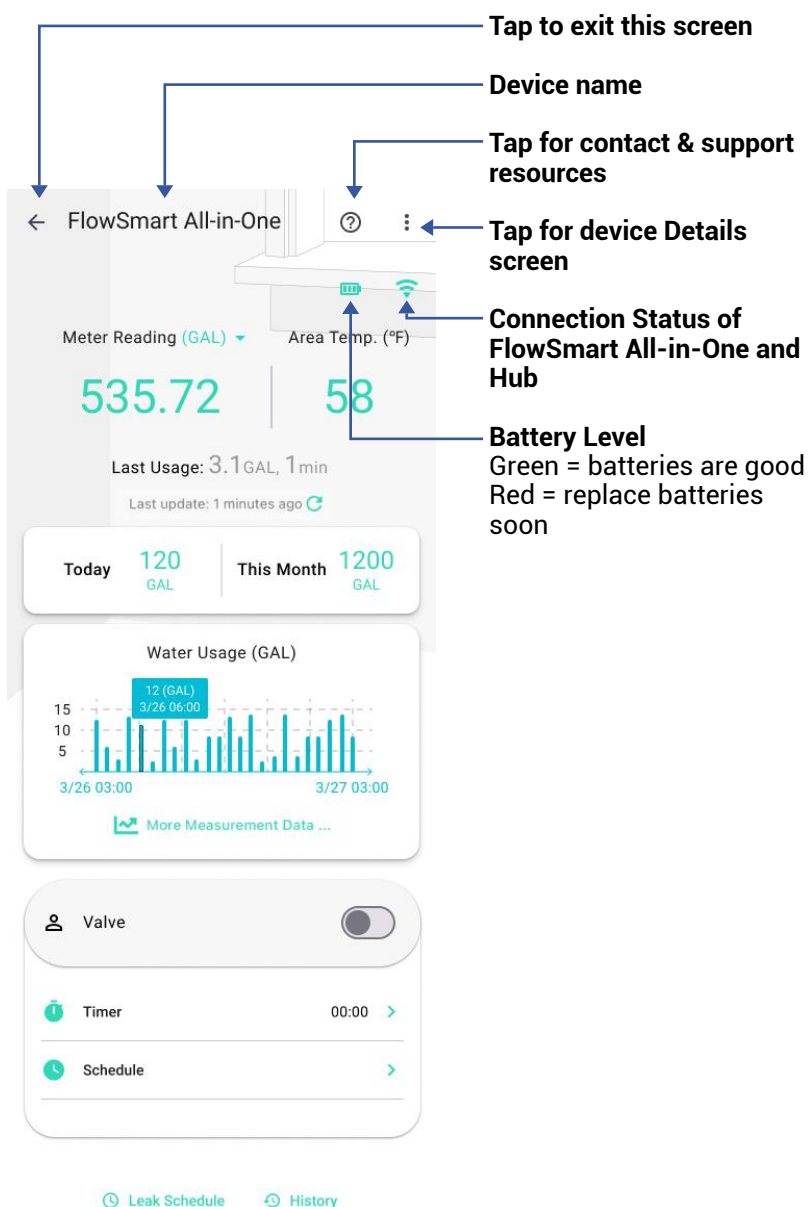
14. Open shut-off valves, to allow water to flow.

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

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.

K 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

FlowSmart All-in-One

Latest Water Meter Reading
Meter Reading (GAL) 535.72

Tap to Switch App Display Unit
Area Temp. (°F) 58

Water Temperature
58

Last Water Usage
Last Usage: 3.1 GAL, 1 min

Tap to Refresh Readings
Last update: 1 minutes ago

Last Update Time
Today 120 GAL

This Month's Water Usage
This Month 1200 GAL

Today's Water Usage
Water Usage (GAL)
12 (GAL) 3/26 06:00

Tap to View and Export Historical Water Flow Data Charts
3/26 03:00 3/27 03:00
More Measurement Data ...

Tap to open/close the valve
Valve

Timer
00:00 >
Set the one-time-timer duration for the valve

Schedule
>
Create open/close schedules to automate your valve

Leak Schedule
Leak Schedule

Device History
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 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 is divided into several sections, each with a title and a description. Callouts point to specific elements:

- Device Type**: Points to the question mark icon in the top right corner.
- Device Name (Tap to Edit)**: Points to the 'Name' field, which displays 'Ultrasonic Water Meter'.
- Room (Tap to Edit)**: Points to the 'Room' field, which displays 'Not Set'.
- Favorite (Red if Favorite, Tap to Edit)**: Points to the red heart icon next to the 'Favorite' section.
- History**: Points to the 'History' section, which displays 'Get device activity logs'.
- Historical Measurement Data**: Points to the 'Historical Measurement Data' section, which displays 'Retrieve historical measurement data of the device'.
- Alert**: Points to the 'Alert' section, which displays 'Tap to edit Alert Settings (see Alert Settings)'.
- Time**: Points to the 'Time' section, which displays 'Tap to sync with mobile'.
- Valve State**: Points to the 'Valve State' section, which displays 'Open or Close'.
- Valve Maintenance**: Points to the 'Valve Maintenance' section, which displays 'Tap to disable or set the valve maintenance cycle'.

The 'Valve' section is highlighted in light purple. The 'Valve State' section displays 'Close'. The 'Valve Maintenance' section displays '12:00AM, 1st of every month'.



App Functions: Device Details Screen, Continued

← Details

?

Water Meter

Water Meter Reading532.2GAL

App Display UnitGAL

Water Meter Advanced Settings

Other

ModelYS5008-UC

Device EUID88b4c0100062243

SN36CD2F6F0D

Signal IntensityStrong (-39 dBm)

Battery

Firmware0803

Delete

Water Meter Reading

Tap to switch app display unit

Water Meter Advanced Settings
(see Water Meter Advanced Settings)

Model Number

Device EUI
Unique Identifier Number (Unique)

Device Serial Number

Signal Intensity
(From YoLink Hub)

Battery

Firmware Revision
(Refer to page 41)

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



App Functions: Alert Settings Screen

← Alert



Alarm Strategy

Default >

You will be notified according to selected alarm strategy when device alerts

[View your alarm strategies](#)

Open Reminder

Freeze Temperature (0.0 °F)



Continuous Alarm

for Leak Detection and Overflow Protection Only

Hours

Minutes

0

:

29
30

1

2

31

32

Alarm Strategy

Tap to edit the device's Alarm Strategy

Open Reminder

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

Freeze Temperature

Disable or set the freezing temperature alert point

Continuous Alarm

Tap to disable or set the alert repeat time, for Leak Detection and Overflow Protection Only



App Functions: Advanced Settings

← Water Meter Settings



General

Water Meter Reading

1184.0 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 ▼
Auto Shut-off Valve

← **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 in the app, as per the Leak Detection.

4.0 GAL >

Leak Schedule

Create leak detection schedule as needed.

>

← **Leak Schedule**

Create leak detection schedule detect leak and trigger an alert when the Leak Detection is set to Leak

Overflow Protection

When the device detects continuous water usage exceeding the preset threshold, it will automatically 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.

Disable >

← **Leak Threshold**

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

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.

3 hours 59 minutes >
Auto Shut-off Valve

← **Max Water Usage per Instance**

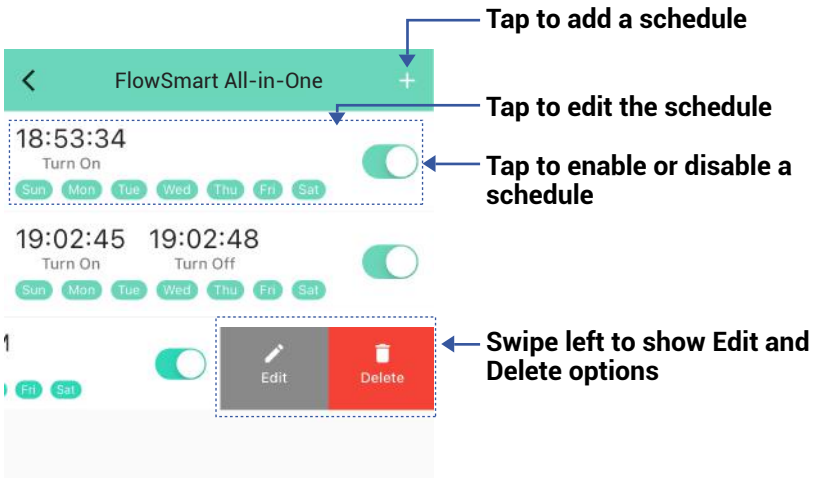
Alert you when the maximum continuous water usage during a single session reaches your preset limit, auto shut-off valve is optional

← **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



App Functions: Schedule



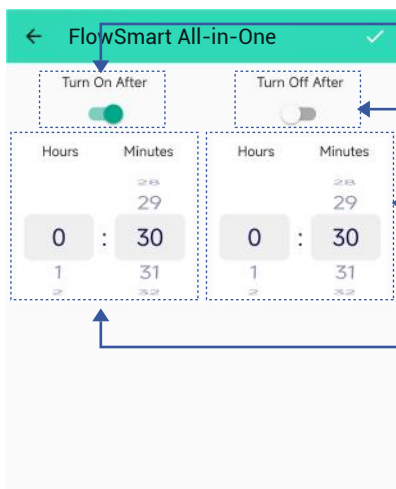
You can have a maximum 6 schedules at one time.

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: 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 dashed box highlights the '09:00' start time, '22:00' end time, a day-of-the-week selector (Sun-Sat), and a toggle switch. To the right of this box, an arrow points to the plus icon with the text 'Tap to edit the leak detection schedule'. Another arrow points to the dashed box with the text 'Tap to add a leak detection schedule'. A third arrow points to the toggle switch with the text 'Tap to enable or disable a leak detection schedule'. Below the dashed box, the text 'LeakLimit: 1.32 GAL' is visible. Further down, another dashed box highlights a toggle switch, an 'Edit' button (grey with a pencil icon), and a 'Delete' button (red with a trash can icon). An arrow points to this box with the text 'Swipe left to show Edit and Delete options'. A final arrow points to the 'LeakLimit: 1.32 GAL' text with the text 'The leakLimit of this leak detection schedule'.

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



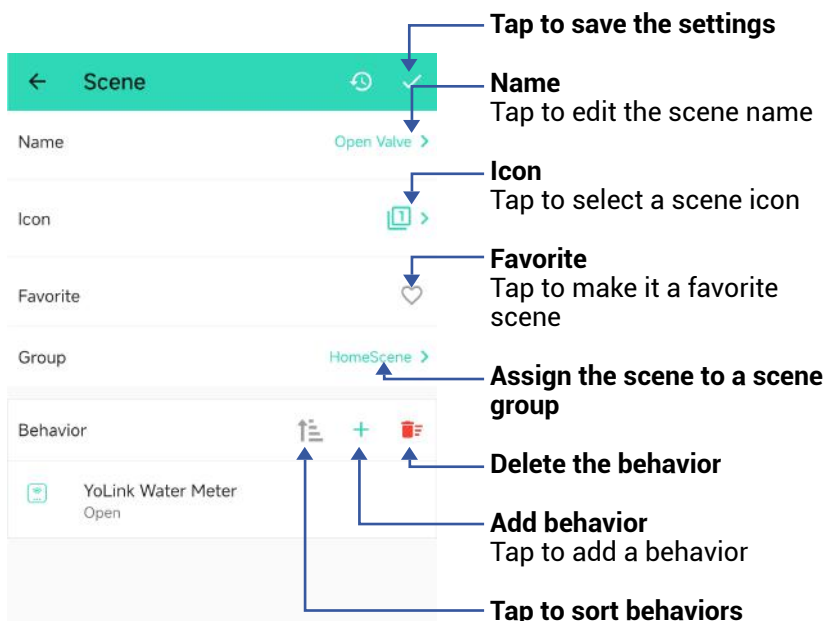
You can have a maximum 6 schedules at one time.

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 has a 'Behavior' list with a 'FlowSmart All-in-One Close' entry. The 'Working Time' section is set to 'Always Working'. At the bottom is an 'Advanced Settings' section. Annotations with arrows point to various elements: the checkmark icon, the name field, the 'When' section, the plus icon in the behavior list, the trash icon, the sort icon, the 'Always Working' text, and 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. At the top, there is a green header bar with a back arrow, the title 'Alarm Strategy', and a question mark icon. Below the header, there are several sections: 'Name' with the value 'Always' and a right arrow; 'Related Devices' with the value '1' and a right arrow; 'Enable Device Alarm' with a green toggle switch; 'Do Not Disturb' with a grey toggle switch; 'Send App Notification' with a dropdown menu set to 'Admin'; 'Send Email' with a dropdown menu set to 'None'; 'Send SMS' with a dropdown menu set to 'None'; and 'Trigger Action' with a dropdown menu set to 'None'. At the bottom, there is a green 'Save' button. Annotations with arrows point to the question mark icon, the 'Always' text, the '1' text, 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 a teal header. 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 turned on; 'Do Not Disturb' with a toggle switch turned off; 'Send App Notification' with a dropdown menu set to 'Admin'; 'Notification Settings' with a chevron and a description 'Will send App Notification to the administrator of this home when device alerts'; 'Send Email' with a dropdown menu set to 'None' and a description 'Will not send Email when device alerts'; 'Send SMS' with a dropdown menu set to 'None' and a description 'Will not send SMS when device alerts'; and 'Trigger Action' with a dropdown menu set to 'None' and a description 'Have not set any action'. At the bottom is a large teal 'Save' button. Blue arrows point from text boxes on the right to specific elements: 'Send App Notification' points to the 'Admin' dropdown; 'Notification Settings (iOS only)' points to the 'Notification Settings' chevron; 'Send Email' points to the 'None' dropdown; 'Send SMS' points to the 'None' dropdown; and 'Trigger Action' points to the 'None' dropdown.

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 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.

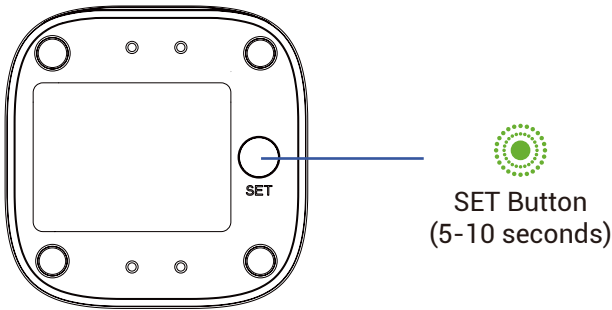
During pairing, the controlled device must be in the state (open, on, unlocked, etc.) that it should transfer to when signalled by the controller.



Control D2D, Continued

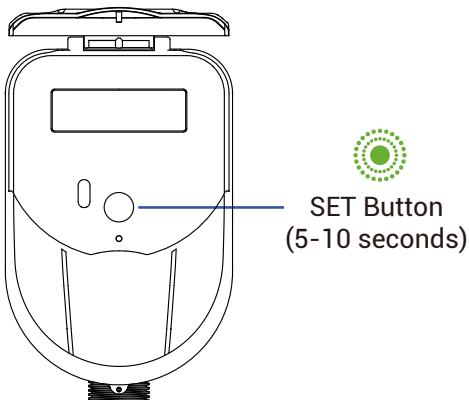
Pairing

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.

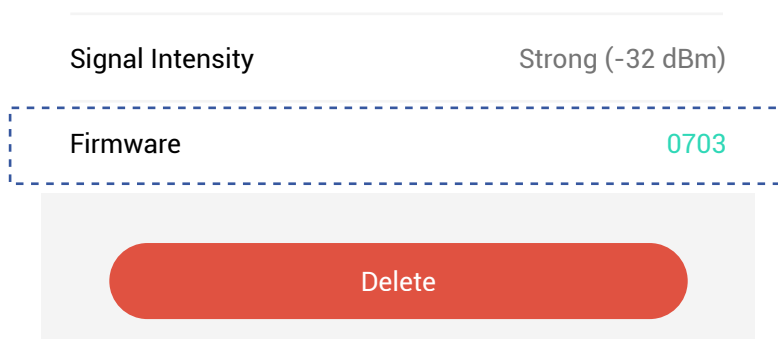


Only deleting a device from the app will remove it from your account. Factory reset will not delete the device from the app.

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.



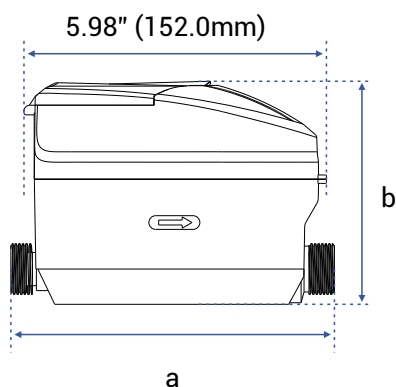
Specifications

Voltage:	DC5V 1A ES-341550/W Lithium 3.6V 19000mAh non-rechargeable
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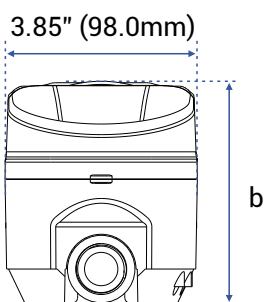
Dimensions, Imperial (L x W):	5.98 x 3.85 inches
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Dimensions, Metric (L x W):	152 × 98 mm
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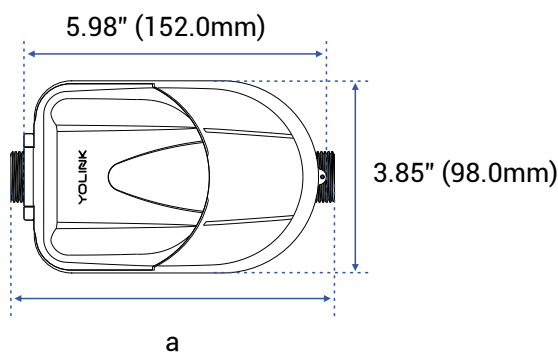
Environment:	Working Temperature: 41°F - 131°F (5°C-55°C) Working Humidity: 0%-100% non-condensing
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FRONT



SIDE



TOP

	a	b
DN15	6.49 (165mm)	4.52 (115mm)
DN20	7.67 (195mm)	4.60 (117mm)
DN25	8.89 (226mm)	4.84 (123mm)

Z Troubleshooting

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

Z Troubleshooting, Continued

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
Sensor Issue	 Constantly On	Inlet sensor malfunction	Replace or reinstall the inlet sensor
Sensor Issue	 Constantly On	Outlet sensor malfunction	Replace or reinstall the outlet sensor



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:
YS5008-UC

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

EMAIL:
SERVICE@YOSMART.COM



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

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