

FlowSmart All-in-One

YS5008-UC



Installation & User Guide

Revision Apr. 26, 2024

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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 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:

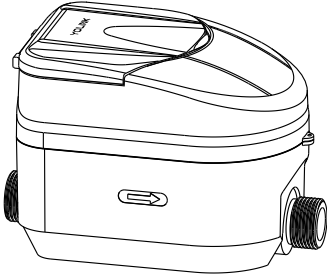


B Before You Begin, Continued

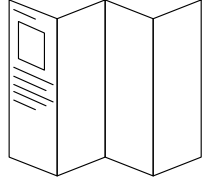


Your FlowSmart All-in-One connects to the internet via a YoLink hub, and it does not connect directly to your WiFi or local network. In order for remote access to the device from the app, and for full functionality, a hub is required. This guide assumes the YoLink app has been installed on your smartphone,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



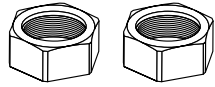
FlowSmart All-in-One



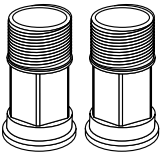
Quick Start Guide



Rubber Gasket (2)



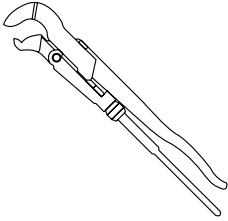
Nut (2)



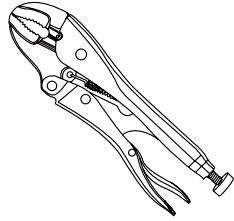
Spud Coupling (2)

D Required Items

These items may be required to install the water meter:



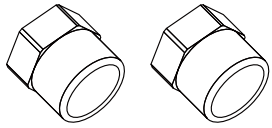
Pipe Wrench



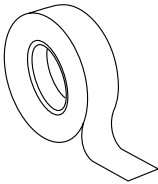
Locking Pliers



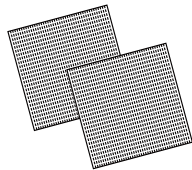
Copper Pipe Cutting Tool



Female NPT Pipe Fitting (2)



Thread Seal Tape

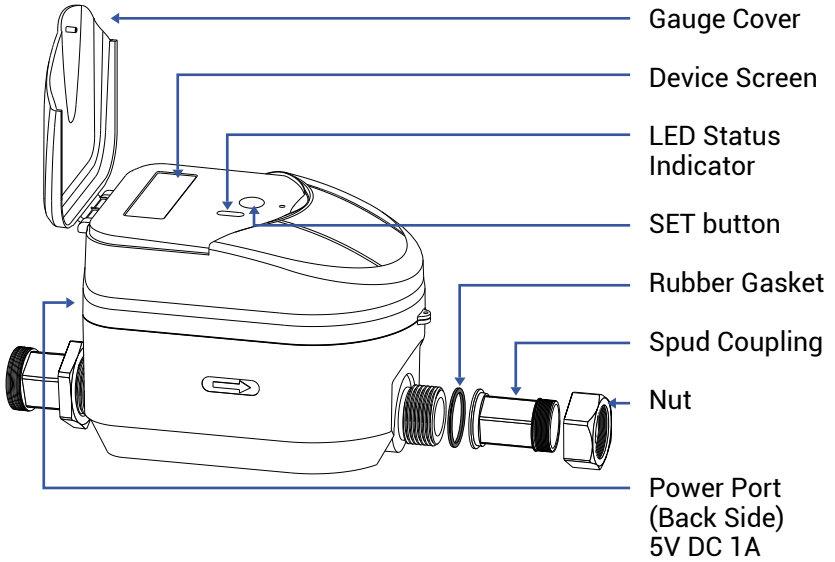


Sandpaper

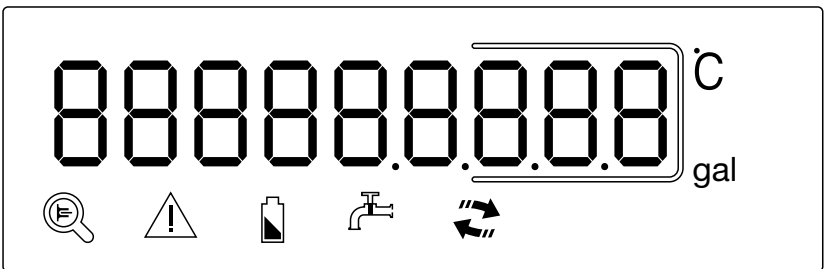
E

Get to Know Your FlowSmart All-in-One

FlowSmart All-in-One:



How to read the meter gauge:



°C Current Temperature

Faucet Empty Pipe Alert

Magnifying glass Water Meter Calibrating

Faucet Valve Closing/Closed

Warning triangle Device Alert Indicator










Refresh symbol Flow Direction Indicator

Battery Low Battery Alert

E

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.

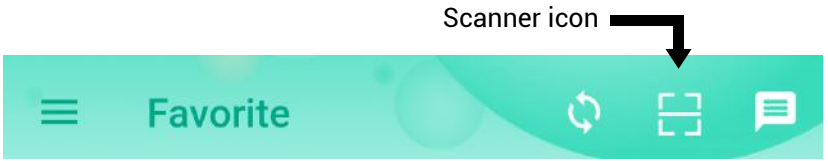
You will immediately receive a welcome email from no-reply@yosmart.com with some helpful information. Please mark the yosmart.com domain as safe, to ensure you receive important messages in the future.

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

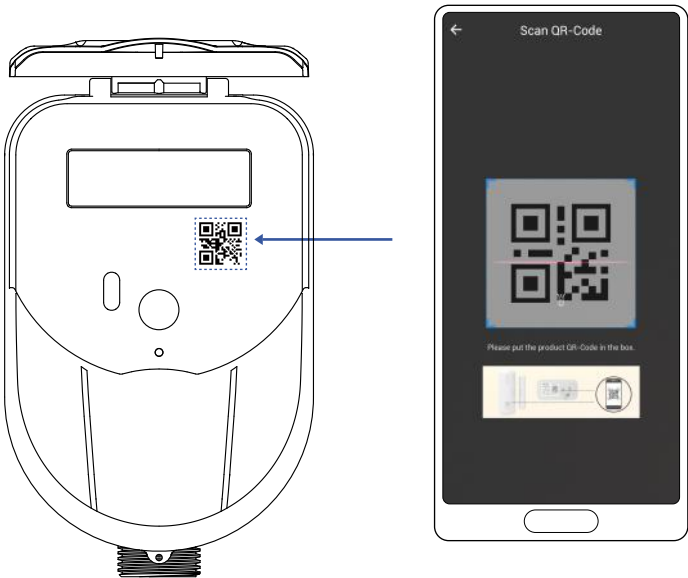
The app opens to the **Favorite** screen. This is where your favorite devices and scenes will be shown. You can organize your devices by room, in the **Rooms** screen, later.

G 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.



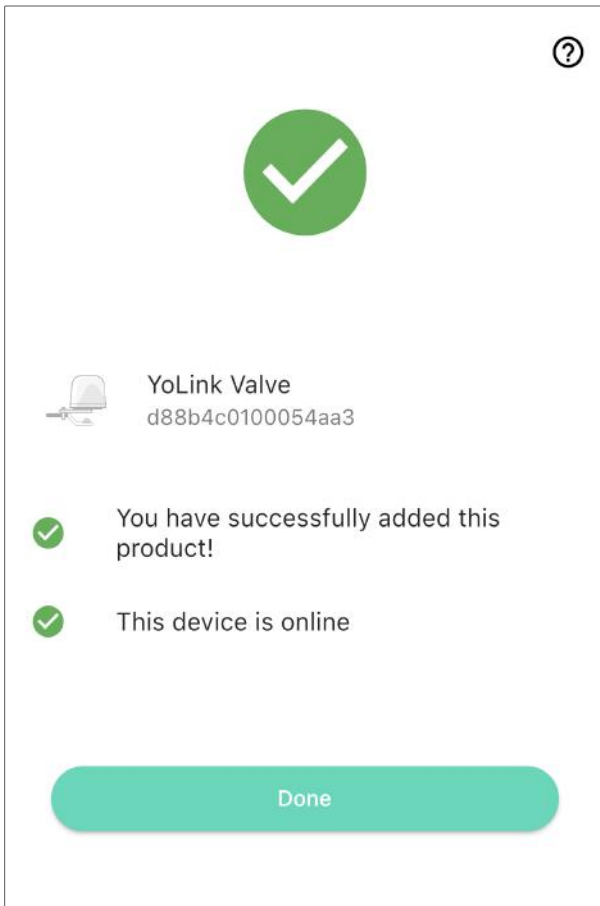
3. Hold the phone over the QR code so that the code appears in the viewfinder. If successful, the **Add Device** screen will be displayed.

G

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.

H 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:

H

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.

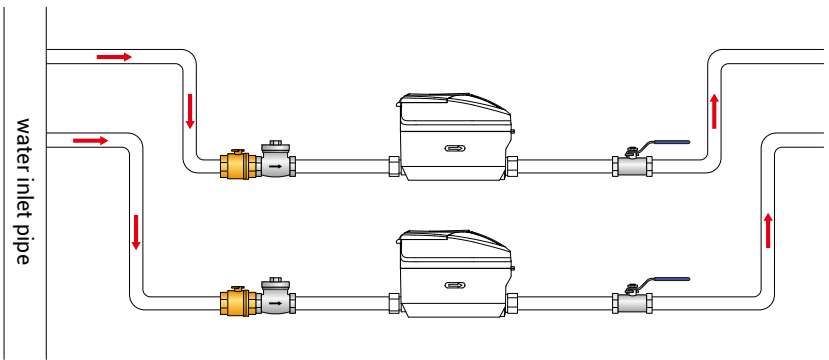


Figure A

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.

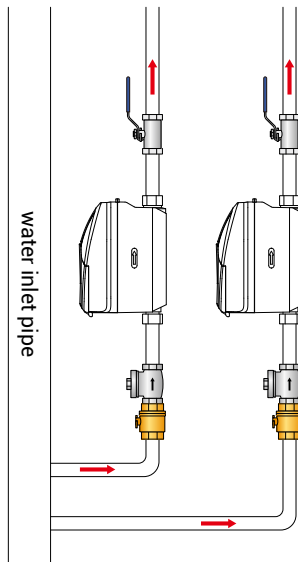


Figure B

H

Installation Requirements, Continued

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.

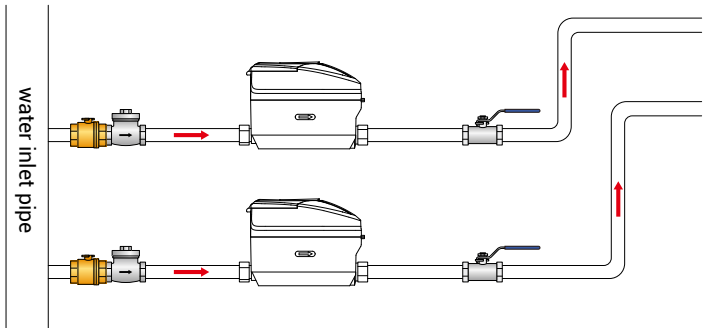


Figure C

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.

H

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).

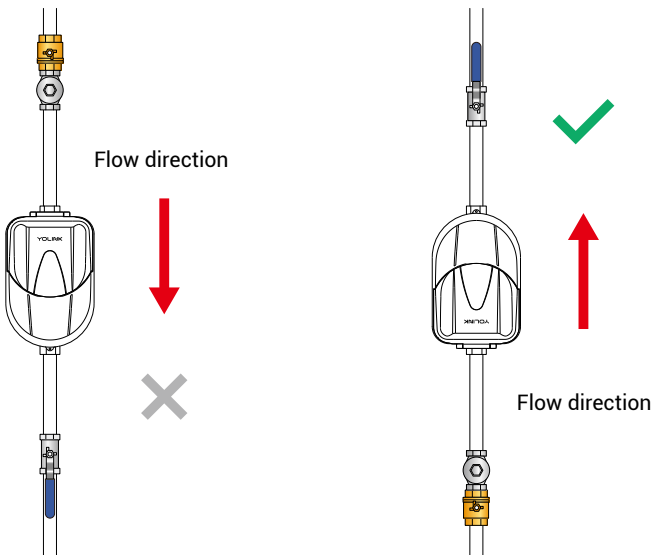


Figure D

H

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).

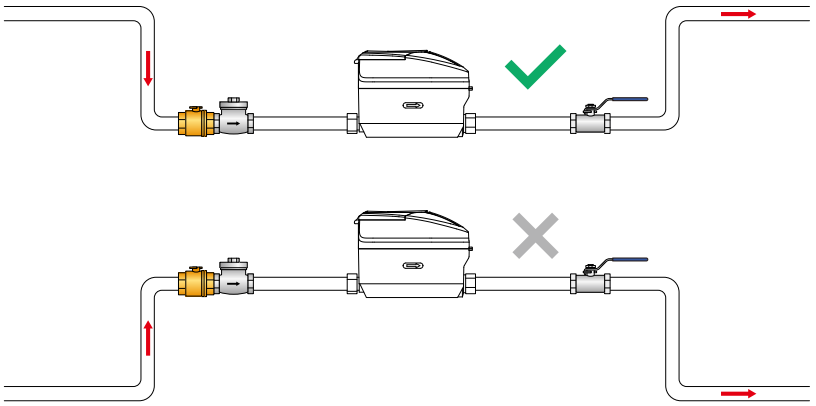


Figure E

(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).

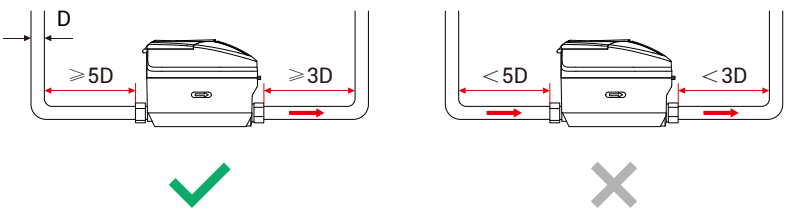


Figure F

H

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)."

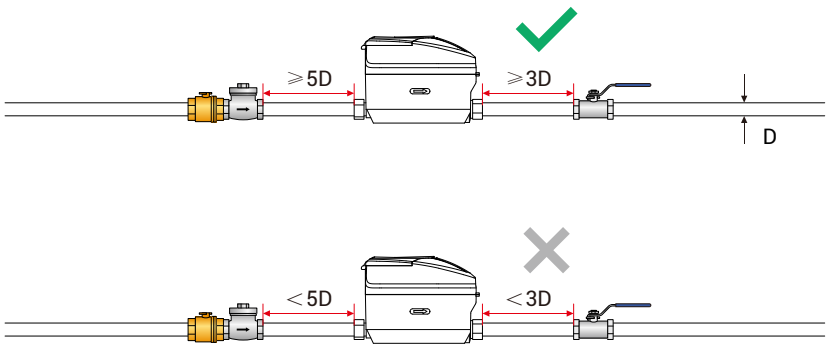
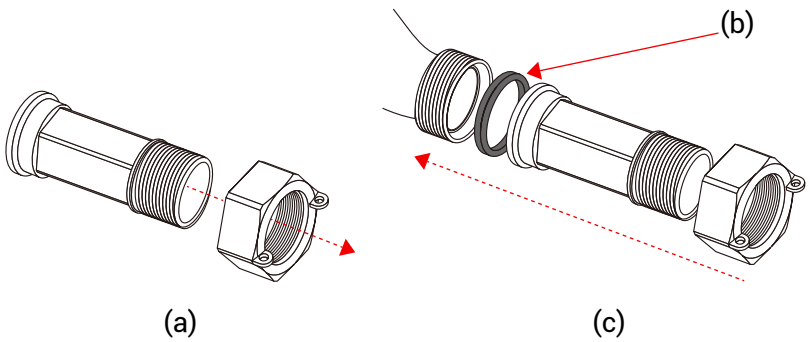


Figure G

I Installation

Install the FlowSmart All-in-One

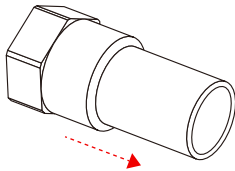
1. Identify a suitable location in the piping that satisfies all installation requirements.
2. Assemble the supplied spuds/couplings on the meter:



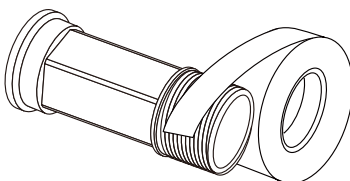
- a. Insert a coupling through the nut.
- b. Place a gasket inside the nut (on top of the coupling flange).
- c. Attach this coupling/gasket/nut assembly onto the meter, by screwing the nut onto the meter.
- d. Hand-tighten.

I 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 [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.

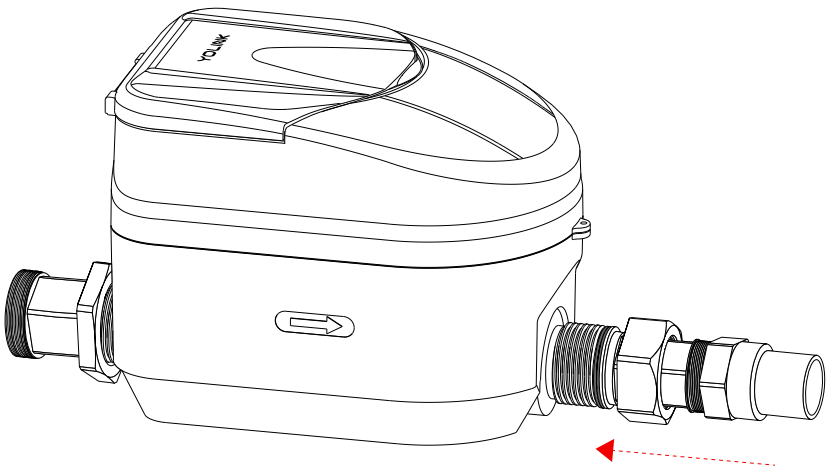


I Installation, Continued

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.

J Testing

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.

The screenshot shows the main screen of the FlowSmart All-in-One app. At the top, there is a back arrow, the device name 'FlowSmart All-in-One', a help icon (question mark), and a menu icon (three vertical dots). Below this, there are two main data points: 'Meter Reading (GAL)' with a value of 535.72 and 'Area Temp. (°F)' with a value of 58. A battery level indicator is shown above the temperature reading. Below the main data, there is a summary section for 'Last Usage: 3.1 GAL, 1 min' and 'Last update: 1 minutes ago'. This is followed by a section for 'Today' (120 GAL) and 'This Month' (1200 GAL). A bar chart titled 'Water Usage (GAL)' shows usage over time, with a callout for 12 GAL on 3/26 06:00. At the bottom, there are controls for 'Valve' (a toggle switch), 'Timer' (00:00), and 'Schedule'. A bottom navigation bar includes 'Leak Schedule' and 'History'.

Tap to exit this screen

Device name

Tap for contact & support resources

Tap for device Details screen

Connection Status of FlowSmart All-in-One and Hub

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

K

App Functions: Device Screen, Continued

The screenshot shows the 'FlowSmart All-in-One' app interface. At the top, there is a back arrow, the app name, a help icon, and a menu icon. Below this, the 'Meter Reading (GAL)' is displayed as 535.72, and the 'Area Temp. (°F)' is 58. A 'Last Usage' section shows 3.1 GAL in 1 min, with a refresh icon and 'Last update: 1 minutes ago'. Two summary cards show 'Today 120 GAL' and 'This Month 1200 GAL'. A 'Water Usage (GAL)' bar chart shows usage over time, with a callout for 12 GAL on 3/26 at 06:00. Below the chart is a 'More Measurement Data ...' link. The bottom section has a 'Valve' toggle switch, a 'Timer' set to 00:00, and a 'Schedule' button. At the very bottom are 'Leak Schedule' and 'History' buttons.

- Latest Water Meter Reading**
- Tap to Switch App Display Unit**
- Water Temperature**
- Last Water Usage**
- Tap to Refresh Readings**
- Last Update Time**
- 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 device. The top left has a back arrow and the title 'Details'. The top right has a help icon (question mark). The main content is a list of device attributes, each with a right-pointing chevron for editing. A 'Favorite' icon (red heart) is next to the 'Favorite' section. A 'Valve' section is highlighted with a grey background. Callouts on the right explain the function of each section.

Field	Value	Function
Type	YoLink Water Meter	Device Type
Name	Ultrasonic Water Meter	Device Name (Tap to Edit)
Room	Not Set	Room (Tap to Edit)
Favorite	Will show in favorite screen	Favorite (Red if Favorite, Tap to Edit)
History	Get device activity logs	History Tap to view and download historical logs
Historical Measurement Data	Retrieve historical measurement data of the device	Historical Measurement Data Tap to view and export historical water flow Data
Alert		Alert Tap to edit Alert Settings (see Alert Settings)
Time	4/2 03:06:24 (GMT-4)	Time Tap to sync with mobile
Valve		Valve State Open or Close
Valve Maintenance	12:00AM, 1st of every month	Valve Maintenance Tap to disable or set the valve maintenance cycle



App Functions: Device Details Screen, Continued

← Details ⓘ

Water Meter

Water Meter Reading 532.2 GAL

App Display Unit GAL ▼
The unit displayed in the App.

Water Meter Advanced Settings >

Other

Model YS5008-UC

Device EUI d88b4c0100062243

SN 36CD2F6F0D

Signal Intensity Strong (-39 dBm)

Battery

Firmware 0803

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

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

Default >

[View your alarm strategies](#)

Alarm Strategy

Tap to edit the device's Alarm Strategy

Open Reminder

Open Reminder

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

Freeze Temperature (0.0 °F)



Freeze Temperature

Disable or set the freezing temperature alert point

Continuous Alarm

for Leak Detection and Overflow Protection Only



Continuous Alarm

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

Hours

Minutes

0

:

30

1

2

31

32



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

Leak Schedule

Create leak detection schedule as needed.



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

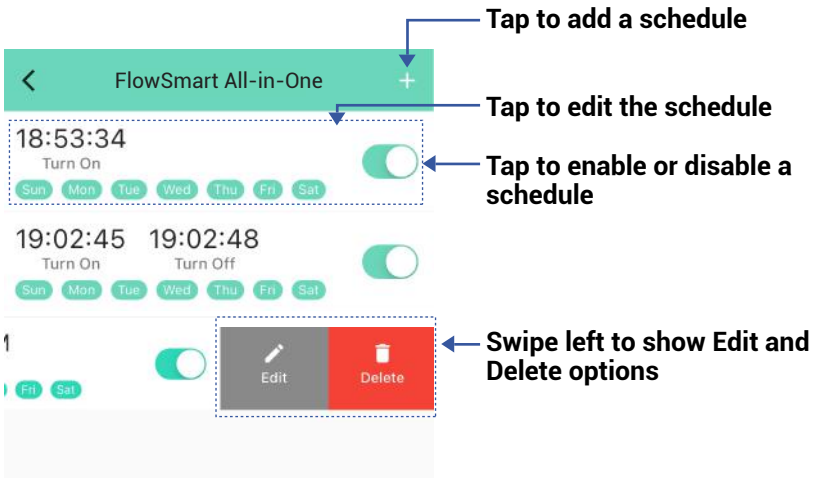
← **Max Water Usage per Instance**

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

0 App Functions: Schedule

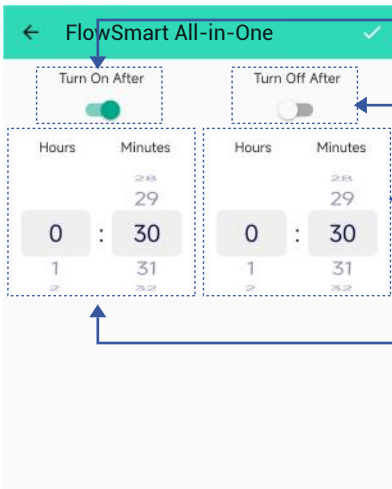


You can have a maximum 6 schedules at one time.

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.

P 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).

Q App Functions: Leak Schedule

The screenshot shows the 'Leak Detection Schedule' screen. At the top, there is a green header with a back arrow, the title 'Leak Detection Schedule', and a plus sign. Below the header, the start and end detection times are shown as '09:00' and '22:00'. Underneath, the days of the week are listed: Sun, Mon, Tue, Wed, Thu, Fri, Sat. A green toggle switch is on the right. Below the days, the 'LeakLimit' is set to '1.32 GAL'. At the bottom, there is a row of buttons: a green toggle switch, a grey 'Edit' button with a pencil icon, and a red 'Delete' button with a trash can icon. Annotations with arrows point to these elements:

- Tap to edit the leak detection schedule (points to the plus sign)
- Tap to add a leak detection schedule (points to the plus sign)
- Tap to enable or disable a leak detection schedule (points to the toggle switch)
- Swipe left to show Edit and Delete options (points to the Edit and Delete buttons)
- The leakLimit of this leak detection schedule (points to the 'LeakLimit: 1.32 GAL' text)



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

Tap to save the settings

Name
Tap to edit the scene name

Icon
Tap to select a scene icon

Favorite
Tap to make it a favorite scene

Assign the scene to a scene group

Delete the behavior

Add behavior
Tap to add a behavior

Tap to sort behaviors



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, there is a green header with a back arrow and the word 'Automation', and a checkmark icon. Below this, the 'Name' field is set to 'Unusual Water Usage Close Valve'. The 'When' section shows a trigger: 'YoLink Water Meter' with a 'Water usage warning' event. The 'Then' section shows a behavior: 'FlowSmart All-in-One' with a 'Close' action. The 'Working Time' is set to 'Always Working'. At the bottom, there is an 'Advanced Settings' section with a downward arrow. Blue arrows point from text labels to various UI elements: the checkmark, 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' arrow.

- 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 title bar is green with a back arrow and a question mark icon. Below the title bar, there are several sections: 'Name' with the value 'Always' and a chevron; 'Related Devices' with the value '1' and a chevron; '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'. A green 'Save' button is at the bottom.

Strategy Name
Tap to edit the name

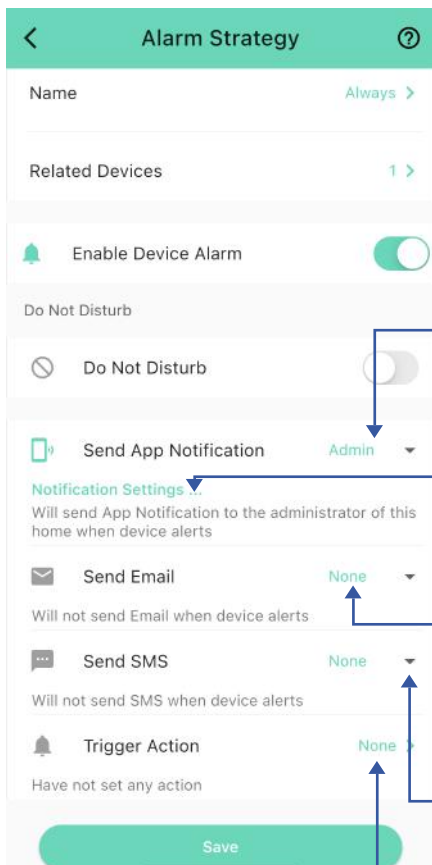
Related Devices
Tap to add more devices (that can alert) to this strategy, a device can be related to only one strategy

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 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.

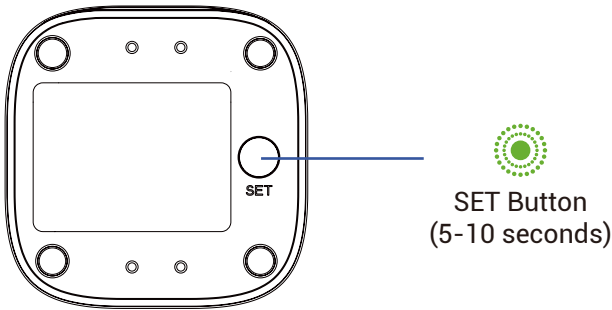
During pairing, the controlled device must be in the state (open, on, unlocked, etc.) that it should transfer to when signalled by the controller.



Control D2D, Continued

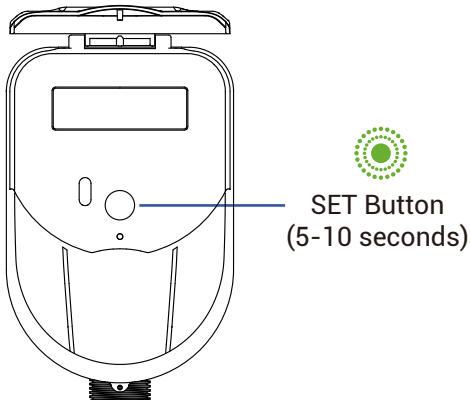
Pairing

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/>

W 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"

Signal Intensity

Strong (-32 dBm)

Firmware

0703

Delete

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 Specifications

Voltage: DC5V 1A
ES-341550/W Lithium
3.6V 19000mAh
non-rechargeable

Dimensions, Imperial
(L x W): 5.98 x 3.85 inches

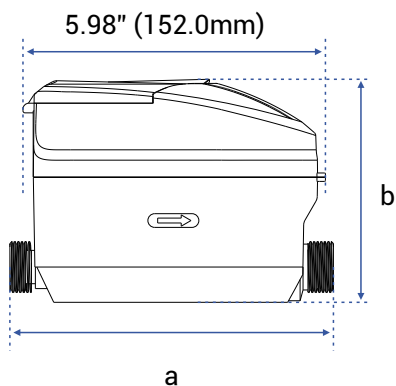
Dimensions, Metric
(L x W): 152 × 98 mm

Environment: Working Temperature:
41°F - 131°F
(5°C-55°C)

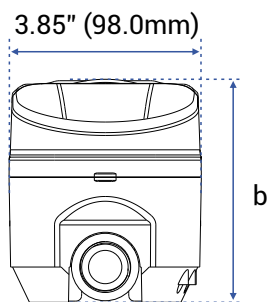
Working Humidity:
0%-100%
non-condensing



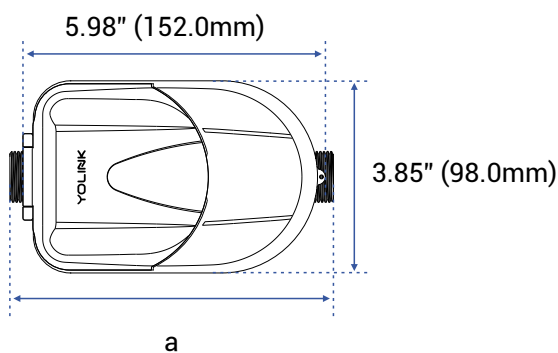
Specifications, Continued



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.

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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