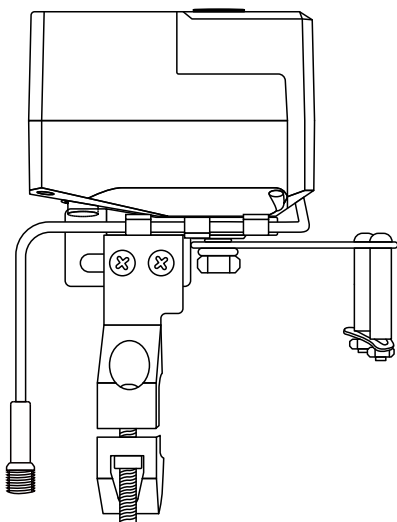
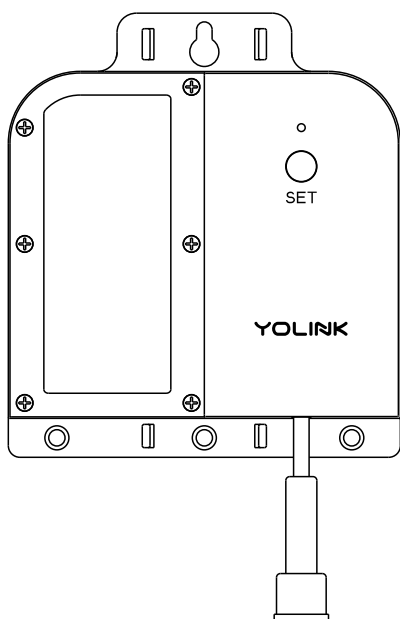




X3 Valve Controller & Bulldog Valve

YS5001(S)-UC

KITS:

YS5001(S)-UC & BULLDOG



Installation & User Guide

Revision Jun. 11, 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 X3 Valve Controller support page on our website, for the latest installation guides, additional resources, information and videos by visiting:

<https://www.yosmart.com/support/YS5001-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



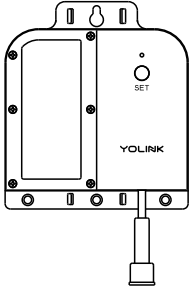
Your X3 Valve Controller connects to the internet via one of our hubs, and it does not connect directly to your WiFi or local network. In order for remote access to the device from the app, and for full-functionality, a hub is required. This guide assumes the YoLink app has been installed on your phone, and a YoLink Hub or SpeakerHub is installed and online.

If installing the X3 Valve Controller, please refer to the environmental range information in the specifications found on the X3 Valve Controller product support page. While this product can be installed outdoors, to ensure years of trouble-free operation, it should be protected from rain and direct sunlight by an enclosure or overhead cover.

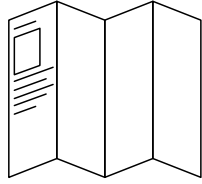


In the Box

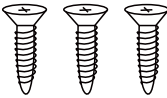
YS5001(S) Items:



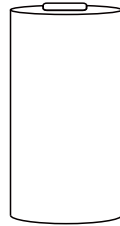
X3 Valve Controller



Quick Start Guide



Phillips Head Screws(3)

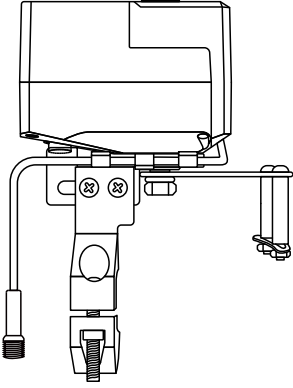


G.34615PH Battery
(Pre-Installed)



In the Box, Continued

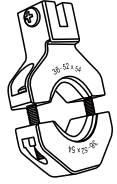
Bulldog Valve Robot Kit Items:



Bulldog Valve Robot

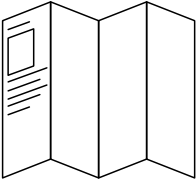


24-36x50



36-52x54

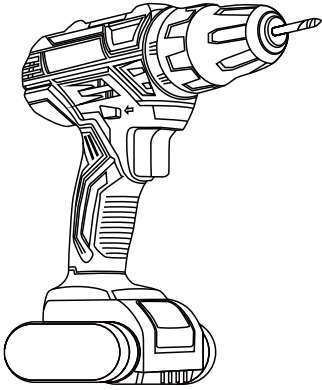
Large & Small Brackets



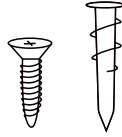
Quick Start Guide

D Required Items

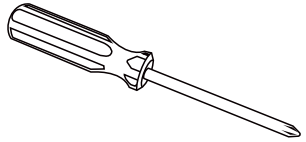
These tools or items may be required:



Drill with Drill Bits

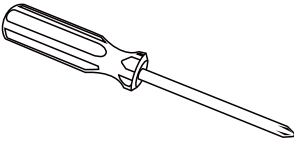


Wall Anchors



Medium Phillips Screwdriver

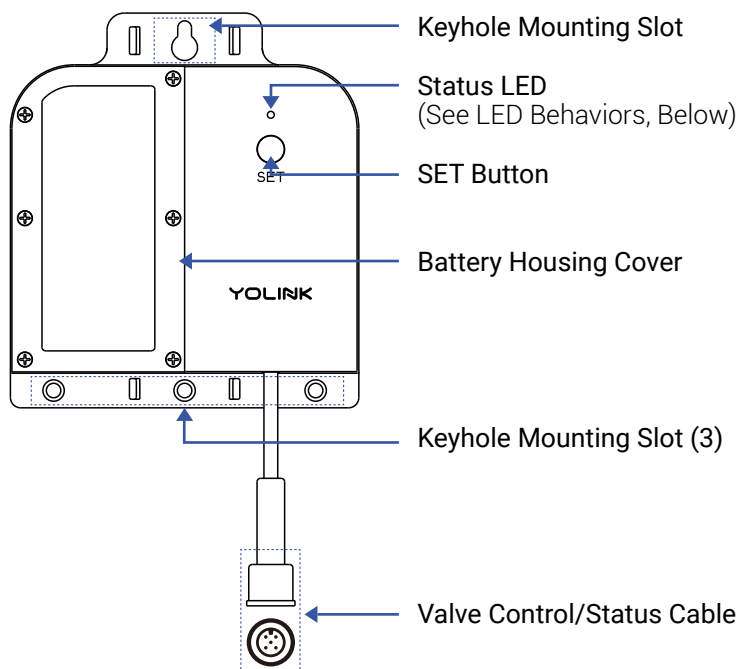
These items will be required to install the Bulldog Valve Robot:



Medium Phillips Screwdriver

E

Get to Know Your X3 Valve Controller

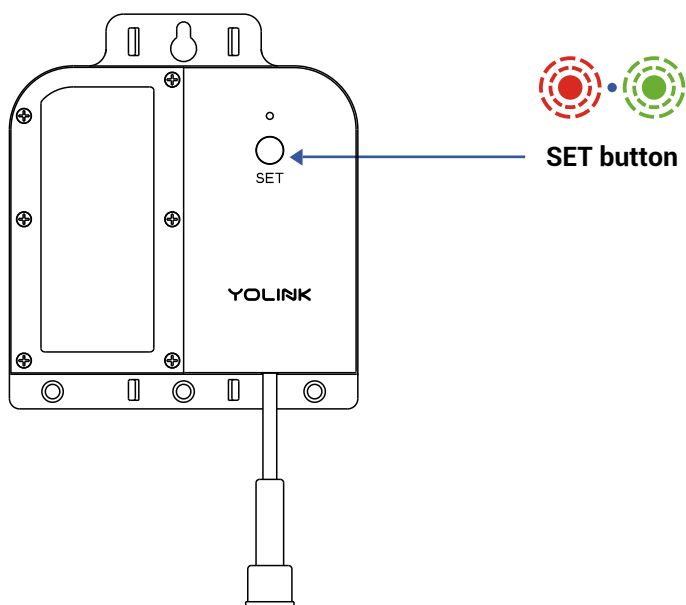


LED Behaviors

- | | |
|--|--|
| <p>Blinking Red Once, Then Green Once
Device Start-Up</p> | <p>Quick Blinking Green Twice
Valve is Open</p> |
| <p>Blinking Red And Green Alternately
Restoring to Factory Defaults</p> | <p>Quick Blinking Green
Control-D2D Pairing in Progress</p> |
| <p>Blinking Red Once
Valve Closing</p> | <p>Quick Blinking Red
Control-D2D Unpairing in Progress</p> |
| <p>Quick Blinking Red Twice
Valve is Closed</p> | <p>Slow Blinking Green
Updating</p> |
| <p>Blinking Green Once
Valve Opening</p> | <p>Fast Blinking Red Every 30 Seconds or Fast Blinking Red 5 Times when pressing the SET Button
Batteries are Low, Please Replace the Batteries</p> |

F Power Up

Power up the X3 Valve Controller by briefly pressing the SET button, until the LED flashes (red, then green).





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.

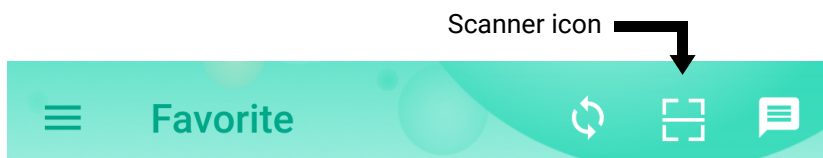
Log in to the app using your new username and password.

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.

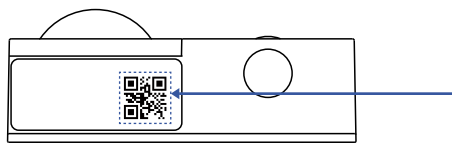


Add Your X3 Valve Controller to the App

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.



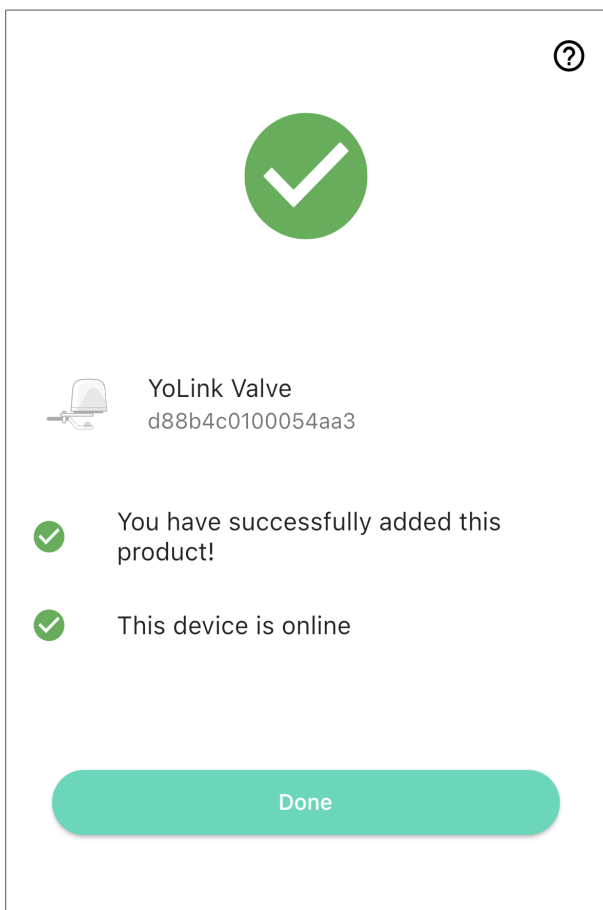
3. Hold the phone over the QR code so that the code appears in the viewfinder. If successful, the **Add Device** screen will be displayed.



Add Your X3 Valve Controller 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**.



I Install the X3 Valve Controller

Preparing for installation:

Determine where you will install your X3 Valve Controller. Typically, it should be wall-mounted, no farther away from the valve device than the length of the cables allow (if you have purchased optional extension cables, the valve controller can be installed at a location separate from the valve device).

Determine how you will mount the valve controller to the wall, and have hardware and anchors appropriate for the wall surface on hand.

- 1.** Holding the valve controller in position, mark the location of the valve controller's two mounting holes to the wall surface.
- 2.** If using anchors, install them, per the manufacturer's instructions.
- 3.** Insert and tighten one screw in each of the controller's mounting holes, ensuring the controller is secured to the wall or mounting surface.



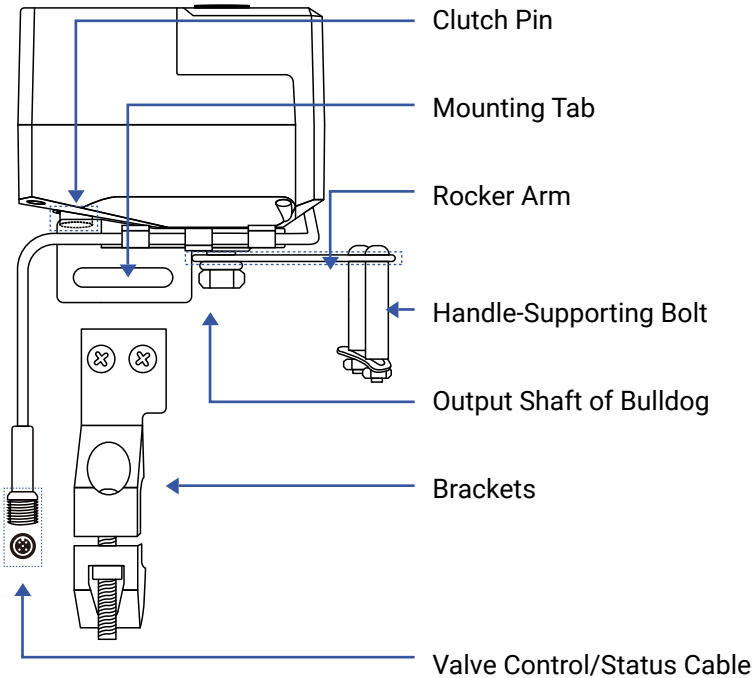
Install the X3 Valve Controller, Continued

1. The Valve Controller will appear offline until it is turned on and it wirelessly connects to a YoLink hub. Turn on the X3 Valve Controller by pressing the SET button until you see the LED blink (red, then green, indicates the X3 Valve Controller has connected to the cloud).
2. In the app, verify the X3 Valve Controller is indicated as online.
3. Connect the valve controller's valve control/status cable to the valve device's control/status cable.
4. Test the X3 Valve Controller and motorized valve by pressing the SET button and listening for the smooth closing/opening of the valve, and by checking the water flow at a faucet. The water should be completely turned off while the valve is in the shut position.
5. Test the operation of the X3 Valve Controller from the app. From the **Rooms** or **Favorite** screen, locate your X3 Valve Controller, tap the image, then tap **Close** to turn off the water, and tap **Open** to turn it on.

J

Get to Know Your Bulldog Valve Robot

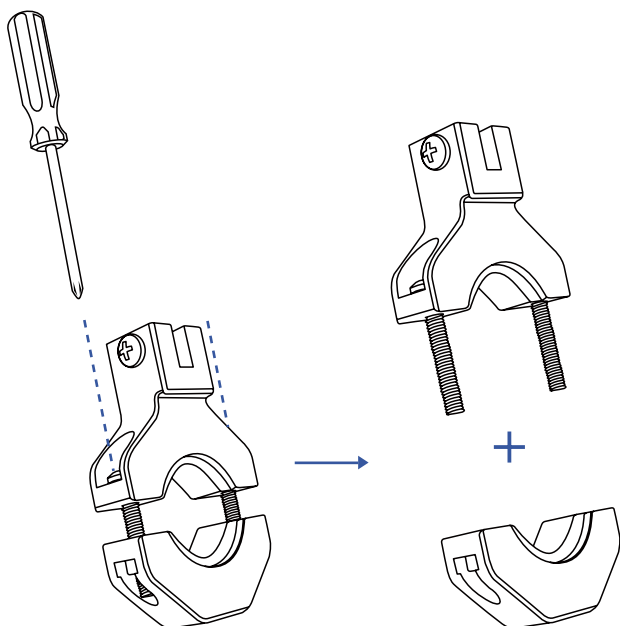
If you need to operate the Bulldog Valve Robot without using the valve controller, you can do so by depressing the clutch pin as shown in the figure.



Please note: the existing ball valve must be in good working order. It must open and close smoothly, with minimal effort, and it must close fully, shutting off the water completely. The Bulldog Valve Robot is not able to correct mechanical issues of the ball valve.

K Install the Bulldog Valve Robot

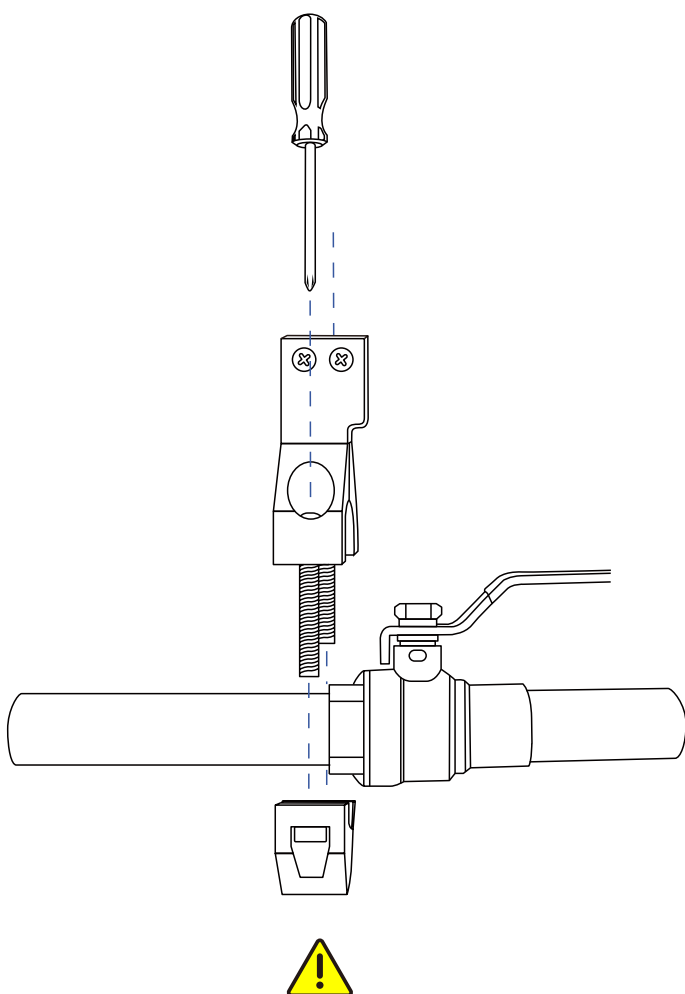
1. Select the appropriate bracket for your application. The appropriate bracket fits over the ball valve (where it is connected to the pipe) and can subsequently be tightened securely to the ball valve. If the bracket does not fit over the ball valve, or seems to be too loose, try the other bracket.
2. Loosen the two screws on the bracket, to allow for separating it into two pieces, as shown.



K

Install the Bulldog Valve Robot, Continued

3. Place the upper bracket and lower bracket on the valve, as shown, and loosely tighten the screws.

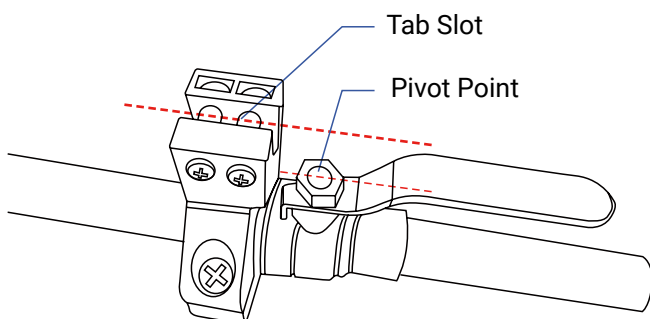


Important! The bracket must be mounted to the ball valve, not to the pipe. The ball valve should have at least one side shaped like a nut or bolt head. The brackets will not tighten to pipe or to a round portion of the ball valve.

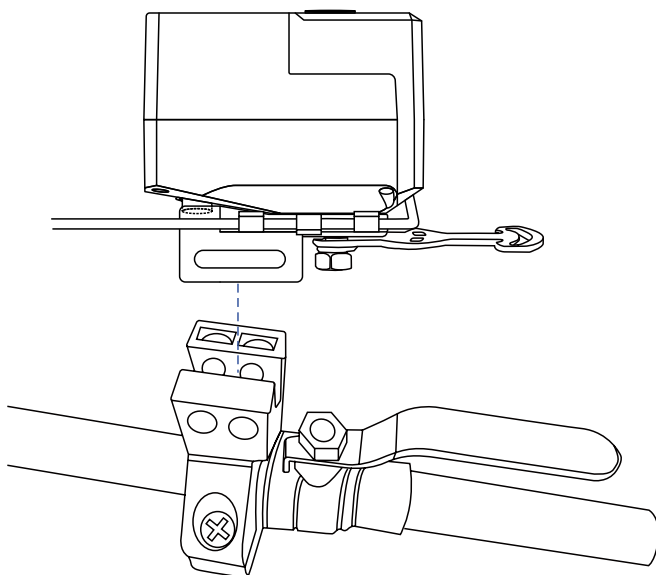
K

Install the Bulldog Valve Robot, Continued

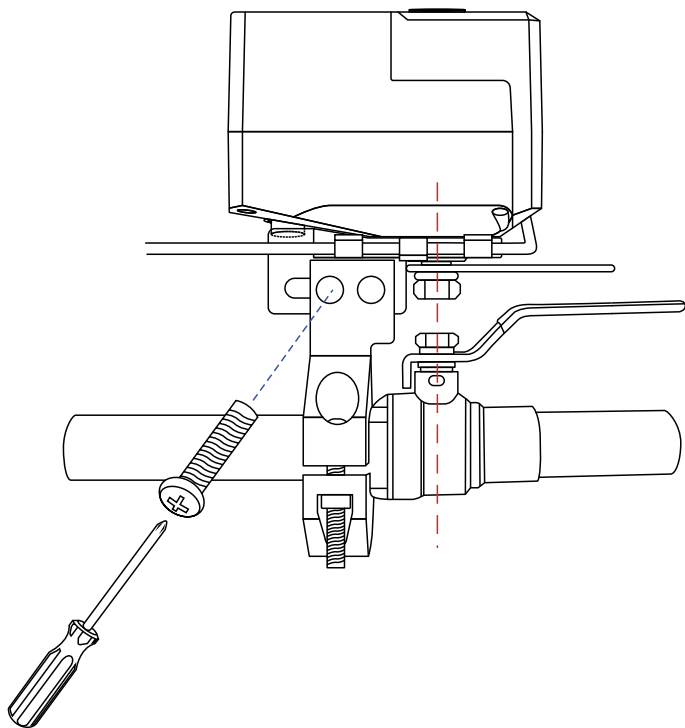
4. Position the bracket so that it is aligned with the pivot point of the ball valve, by visualizing a line between the tab slot and the pivot point, as shown.



5. Remove the screw from the tab slot, then attach the Valve Robot to the bracket.



6. Keeping the center axis of the Valve Robot's motor shaft aligned with the ball valve shaft, as indicated by the red dashed line, reinsert and tighten the tab slot screw.

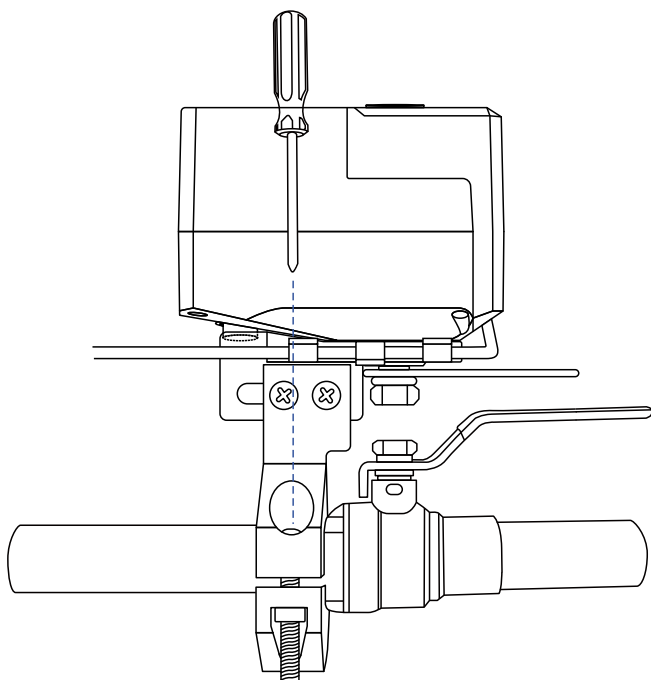


If it is not possible to align the parts as shown, or if the bracket can not be secured to the ball valve, consider rotating the ball valve handle 180°. After removing the Bulldog, this can be done by removing the ball valve handle, and then reinstalling it on the other side. Reinstall the Bulldog (on the other side of the ball valve) and check if alignment is better in this position.

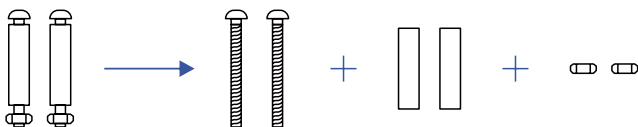
K

Install the Bulldog Valve Robot, Continued

7. Securely tighten the two screws on the bracket. Gently tug on the Bulldog, and tighten the screws until the Bulldog is firmly held in place by the bracket and tab screw.



8. Remove the nuts and collars from the two handle supporting bolts, as shown.

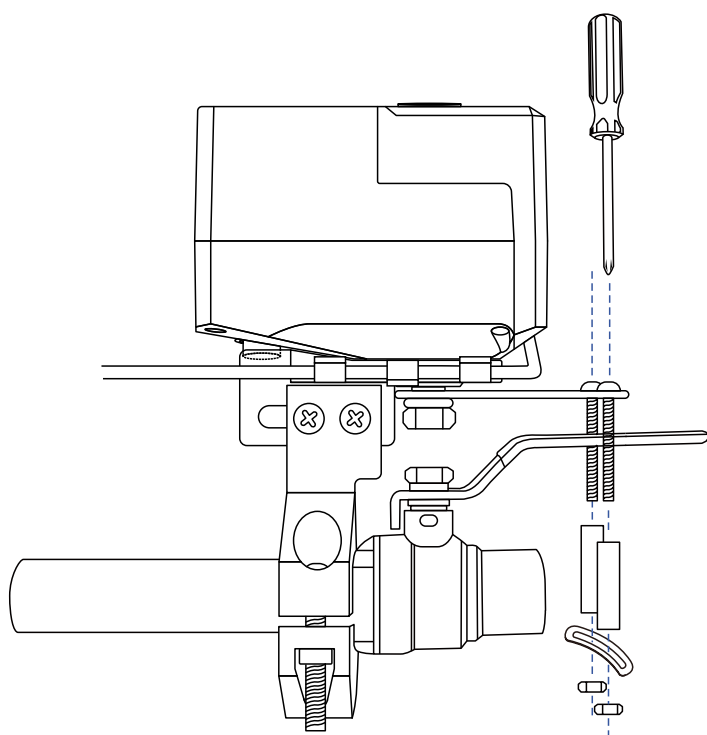


Do not put the screw in backwards! Otherwise, you will have a problem with the bulldog sliding around in it's bracket when activated.

K

Install the Bulldog Valve Robot, Continued

9. Place the bolts in the slot on the rocker arm, with one on each side of the valve handle, as shown.



10. Put the collars back on the bolts. Holding them in place with one hand, insert the bottom supporting bracket over the end of each bolt, as shown. Insert and loosely tighten a nut on each bolt. Now, position each bolt/collar so that it is snug against the valve lever handle, with one on each side of the handle. Using a Phillips screwdriver, tighten the screw on each bolt/collar assembly, holding the nut in place, as needed. Confirm that each collar is snug against the handle.



Final Connections

1. Connect the valve controller's valve control cable (2-pin) to the control cable of the Bulldog Valve Robot. Ensure the arrow of the cable connector aligns with the arrow of the other cable connector. Twist the collar of the connector tight.
2. YS5003S, only: Connect the valve controller's valve status cable (3-pin) to the valve status cable of the Bulldog Valve Robot. Ensure the arrow of the cable connector aligns with the arrow of the other cable connector. Twist the collar of the connector tight.
3. If using the 12VDC power input, via the included plug-in power adapter or via your own 12VDC power supply, prior to plugging-in the power supply/adapter or energizing the power supply circuit, connect the valve controller's 12VDC input cable to the power adapter or 12VDC power supply cable. Plug in the power supply/adapter or energize the 12VDC power supply circuit at this time. If you are electing to power the valve controller only from the 12VDC power input (not recommended), you can remove the batteries at this time.

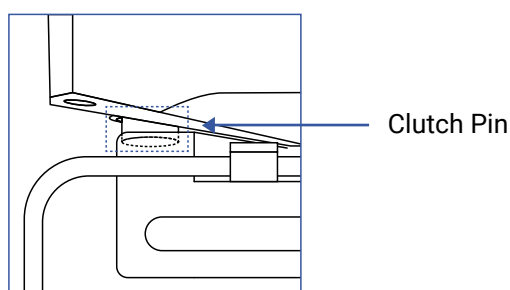


Use care to not connect a 2-pin connector to a 3-pin connector or vice versa. Never force two connectors together – the connectors should mate-up easily and not require force to tighten.

M Manual Operation

It is recommended to always use the app or the valve controller SET button to operate the Bulldog Valve Robot. If you need to manually operate the Bulldog without using the app, you can press the SET button on the valve controller. If you need to operate the Bulldog Valve Robot without using the valve controller, you can do so by depressing the clutch pin as shown below. While depressing this pin, the motor and gears are disengaged from the ball valve, allowing it to be manually operated.

If you are not using the valve status feature or if your valve controller does not have the valve status feature, to avoid the app from indicating the wrong valve status, if you manually closed the valve, for example, manually open it again. Do not open it via the app, after manually closing it and vice versa, otherwise the app will incorrectly indicate the valve is closed.



Do not attempt to move the ball valve without first depressing the clutch pin, as damage to the Bulldog may occur.

1. Test the X3 Valve Controller and Bulldog Valve Robot by pressing the SET button on the controller, and by watching the closing or opening action of the Bulldog and the ball valve. The valve should open and close completely (verify no water is flowing through the valve while closed). Also, listen for an even sound of the motor operating. If the Bulldog sound increases or appears to be straining, this may indicate incorrect or suboptimal Bulldog installation and/or a mechanical issue with the ball valve (such as too stiff or too much resistance to turning). Return to the installation section, if needed.

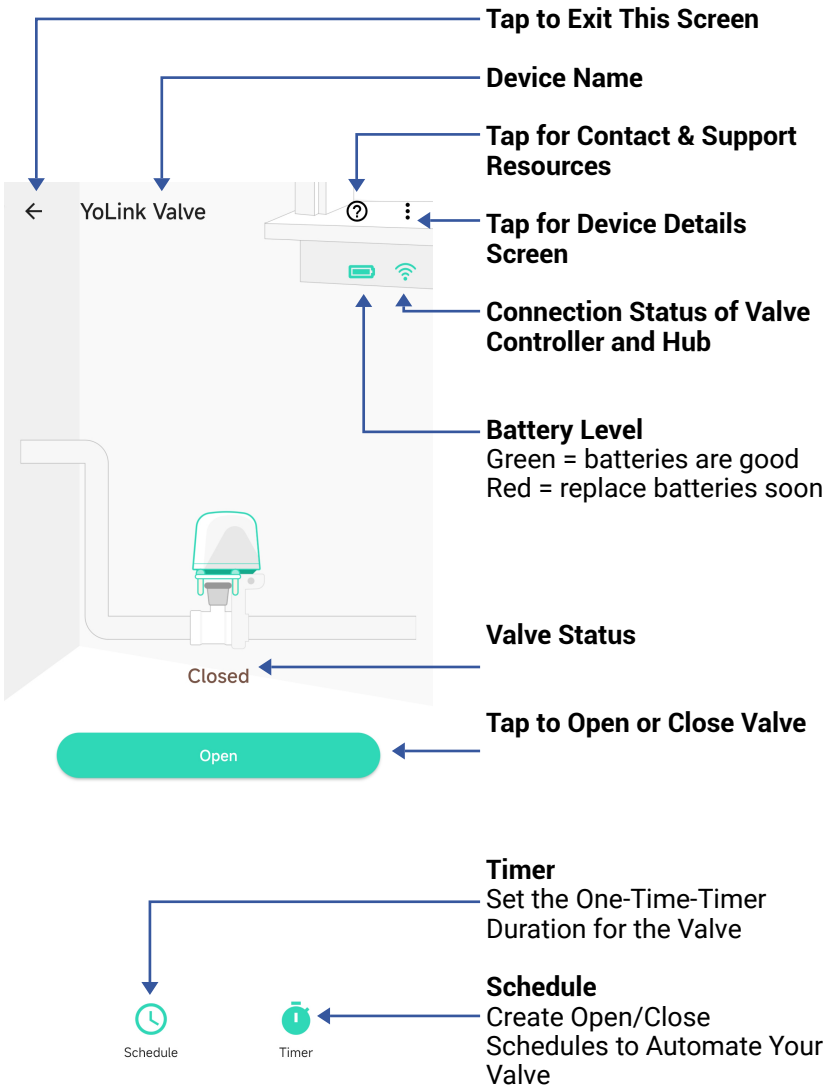
2. Test the operation of the X3 Valve Controller from the app. From the **Rooms** or **Favorite** screen, locate your X3 Valve Controller, tap the image, then tap **Close** to turn off the water, and tap **Open** to turn it on.

Proceed to the next page for troubleshooting steps, otherwise go to page 38, Control-D2D Device-to-Device Pairing



App Functions: Device Screen

In the app, tap on your X3 Valve Controller icon. Your X3 Valve Controller main screen should be similar to the one shown below.





App Functions: Device Details Screen

Tap the three dots (in the upper right corner) to open the X3 Valve Controller **Details** screen. Your X3 Valve Controller screen should be similar to the one shown below.

The screenshot shows the 'Details' screen for an X3 Valve Controller. The screen has a teal header with a back arrow, the title 'Details', and a help icon. Below the header is a list of device attributes, each with a value and a right-pointing chevron. The attributes are: Type (YoLink Valve), Name (YoLink Valve), Room (Not Set), Favorite (Red heart icon), History (Get device logs), Open Reminder (Alert after left open, Disabled), State (Closed), Time (1/13 06:22:48 (GMT+0), Sync With Mobile), Model (YS5003-UC), Device EUI (d88b4c010006ade5), SN (6526D359CB), Signal Intensity (Strong (~8 dBm)), Battery (0305), and Firmware (0305). At the bottom is a red 'Delete' button. Annotations with arrows point to various elements: 'Device Type' points to the header; 'Device Name (Tap to Edit)' points to the Name row; 'Room (Tap to Edit)' points to the Room row; 'Favorite (Red if Favorite, Tap to Edit)' points to the Favorite row; 'History Tap to view device history' points to the History row; 'Open Reminder Tap to Disable or Enable Open Reminder' points to the Open Reminder row; 'State' points to the State row; 'Time Tap to sync with mobile' points to the Time row; 'Model Number' points to the Model row; 'Device EUI Unique Identifier Number' points to the Device EUI row; 'Device Serial Number' points to the SN row; 'Signal Intensity (From YoLink Hub)' points to the Signal Intensity row; 'Battery' points to the Battery row; 'Firmware Revision (Refer to page 38)' points to the Firmware row; and 'Remove Device from Current Account Tap to delete the device from your YoLink account' points to the Delete button.

← Details	?
Type	YoLink Valve
Name	YoLink Valve >
Room	Not Set >
Favorite	♥
History	>
Open Reminder	Disabled >
State	Closed
Time	1/13 06:22:48 (GMT+0) Sync With Mobile >
Other	
Model	YS5003-UC
Device EUI	d88b4c010006ade5
SN	6526D359CB >
Signal Intensity	Strong (~8 dBm) >
Battery	0305
Firmware	0305
Delete	

Device Type

Device Name
(Tap to Edit)

Room
(Tap to Edit)

Favorite
(Red if Favorite, Tap to Edit)

History
Tap to view device history

Open Reminder
Tap to Disable or Enable Open Reminder

State

Time
Tap to sync with mobile

Model Number

Device EUI
Unique Identifier Number

Device Serial Number

Signal Intensity
(From YoLink Hub)

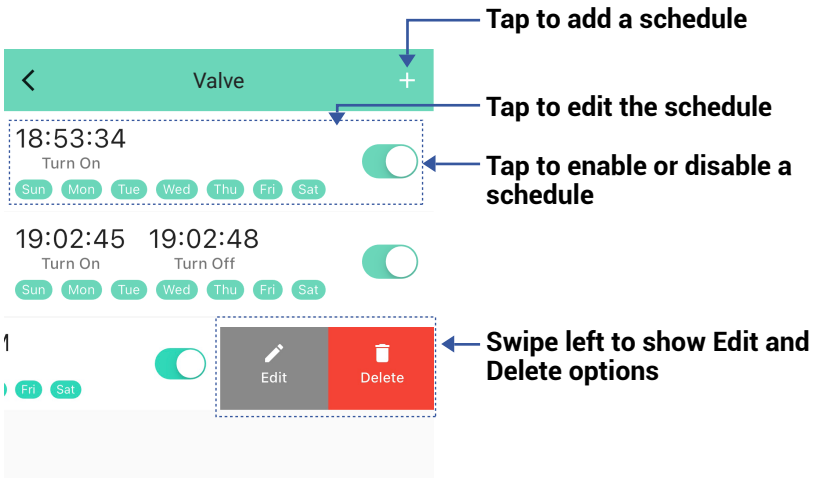
Battery

Firmware Revision
(Refer to page 38)

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



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: 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 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. 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' configuration screen. At the top is a green header with a back arrow, the title 'Alarm Strategy', and a help icon. Below the header 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 link to change settings; '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 is a green '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' link; '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)



App Functions: Automation

The X3 Valve Controller can be set up as a condition in an automation. For example, you can automatically turn on a fan if the sensor detects a high temperature. This example is shown below. The automation also sends a custom notification (via app push notification, email SMS, or SpeakerHub broadcast) reminding you the sensor detects high or low temperature or humidity.

Automation

Name

Auto Shut Off

13/64

When

7903 Leak Sensor

Water Leak Alert

Then

Behavior

YoLink Valve

Close

Working Time

Always Working

Advanced Settings



Problem:

The valve controller is offline

Possible Solutions:

- Ensure the X3 Valve Controller is on. Repeat the Power Up section steps, if needed
- Replace the batteries

Problem:

The valve controller does not respond to the SET button being pressed and/or the Bulldog Valve Robot is unresponsive

Possible Solutions:

- Ensure the X3 Valve Controller is on. Repeat the Power Up section steps, if needed
- Double check the cable connectors for correct and tight connections
- Replace the batteries



Troubleshooting, Continued

Problem:

The Bulldog Valve Robot moves or slides off of the ball valve while in operation

Possible Solution:

- Ensure the Bulldog's bracket is mounted to the correct (non-round) part of the ball valve, and is tightly secured to the ball valve.
Return to the installation section, if needed

Problem:

The Bulldog Valve Robot does not close the valve completely and/or appears to strain, shakes, or makes a loud and/or grinding noise while operating

Possible Solutions:

- Ensure the Bulldog's bracket is properly installed on the ball valve, and is tight
- Ensure the axis of the ball valve is aligned as much as possible with the axis of the Bulldog output shaft



Problem:

The valve is indicated as closed in the app, but it is actually open (or vice versa)

Possible Solution:

- Non-valve-status controllers only: disconnect the valve controller from the Bulldog. Manually operate the Bulldog, moving it to the open position if it was closed, and to the closed position if it was open. Reconnect the valve controller to the Bulldog. Test the Bulldog and valve controller from the app, and verify it is now correctly indicated as open or closed

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 X3 Valve Controller.



Use of YoLink Control-D2D is optional.

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

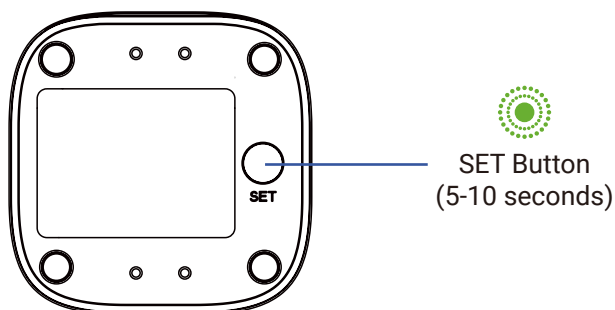
Pairing is separate from the app and any automation, scenes or alarm strategies you may have configured in the app. Use care to not create automations that conflict with Control-D2D-pairing and vice-versa.

During D2D pairing, both the controller and the responder must be in the correct operational state corresponding to their intended behavior. For example, if the controller (leak sensor) is meant to close a valve when the leak detected, the valve should be closed during pairing.

V Control D2D, Continued

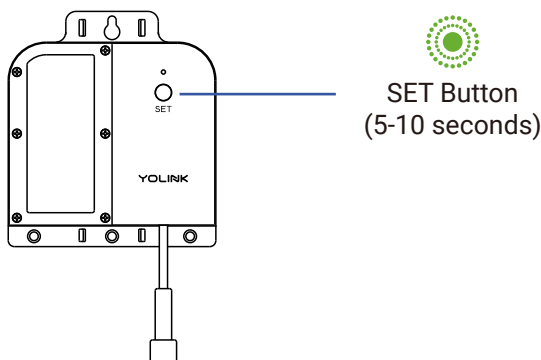
Pairing

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 X3 Valve Controller as a responder, first ensure that the valve or Bulldog is in the closed position. Press and hold the controller's 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 X3 Valve Controller, 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 X3 Valve Controller 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 controller, disable them before testing.



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.

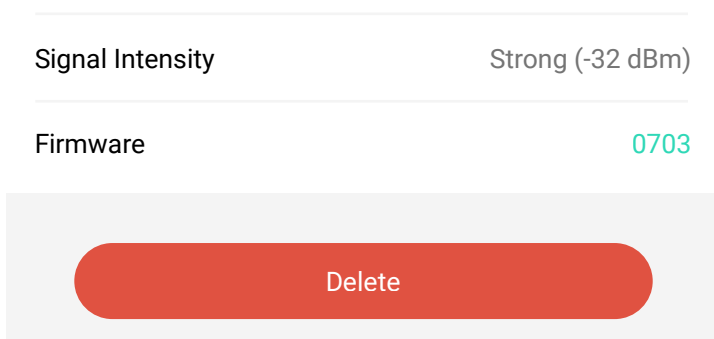


Only deleting a device from the app will remove it from your account. Factory reset will not delete the device from the app.

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-5001

Housing IP Rating: IP65

Voltage Out: DC 12VDC

Output Load Power: 400 Milliamps, max.

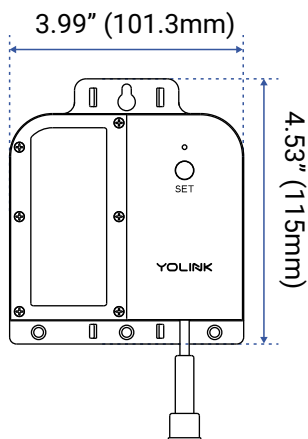
Standby Power: ES-341550/W 3.6V
Replaceable Lithium
Battery

Cables: 5-Conductor Cable, 8.5"
(215mm), w/Watertight
Connector

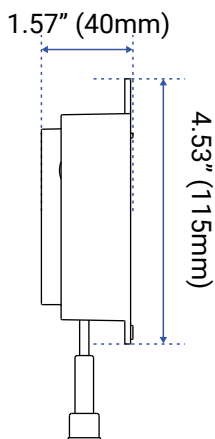
Environment Temp.
Range: -4° to 140°F
(-20° to 60°C)



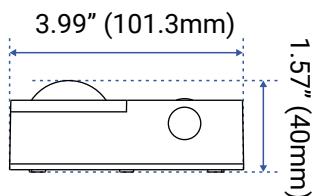
Specifications-5001, Continued



FRONT



SIDE

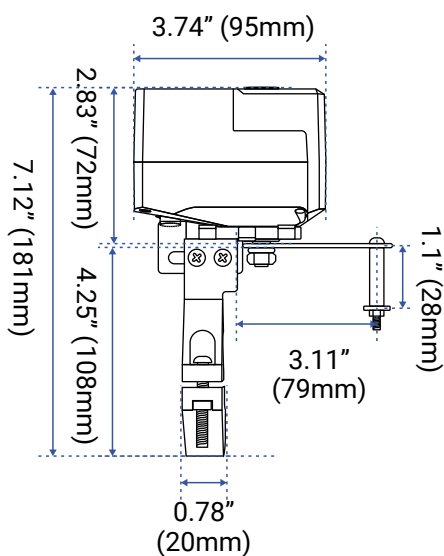


TOP

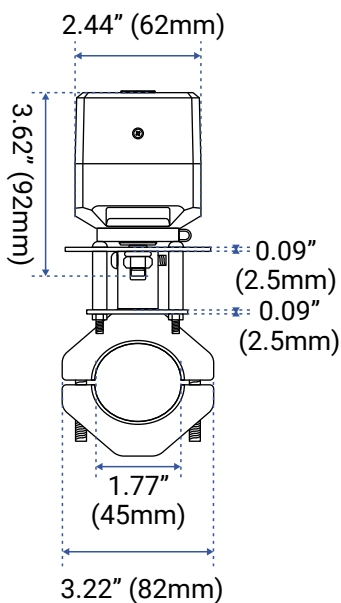


Specifications-Bulldog

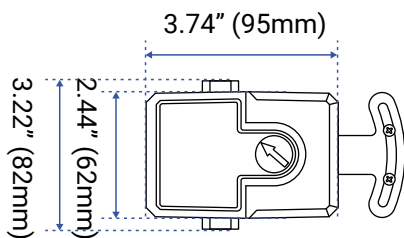
HOEM:	EcONet
MOTOR:	High Torque Geared Valve Motor
TORQUE:	-11lbf (-15Nm)
VOLTAGE:	12VDC (Supplied by Controller,Required, Not Shown)
HARNESS:	2-Conductor Cable, 28"(700mm)Long, w/Watertight Connector
COMPATIBLE VALVES:	Supports 1/2", 3/4", 1",1.25" and 1.5" Ball Valves
ENVIRONMENTAL:	32 to 122°F (0 to 50°C)
Housing IP Rating:	IP65



FRONT



SIDE

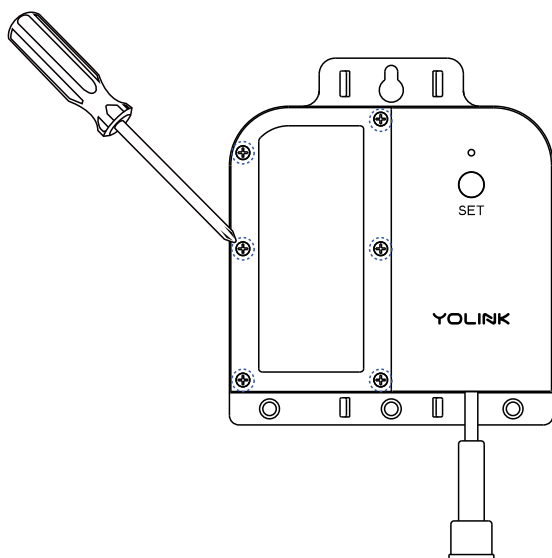


TOP

Z Battery Replacement

The preinstalled battery in your Valve Controller should give you upwards of 10 years between battery changes. When it is time to replace the battery, please replace it using only a part number G.34615 battery, available on our website, and follow these instructions:

1. Using a small or medium Phillips screwdriver, remove the four screws on the front of the enclosure as shown. Carefully set them to the side.



2. Open the sensor enclosure by pulling the two pieces apart. The two pieces are joined by wiring; use care to not damage the wiring.

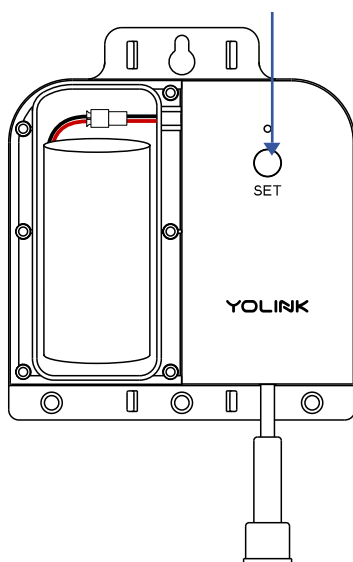
3. Pull the battery assembly free from the mounting tape by using a gentle prying motion with your fingers.

4. Disconnect the battery assembly cable and remove the old battery.

5. Connect the new battery assembly cable to the sensor, and seat the battery assembly in the cut-out section of the PC board.

6. Press the button, as shown, to reset the sensor's battery life meter.

Press this button after replacing the battery



7. Check the sensor in the app, to confirm it is online and the battery level icon indicates a full battery.

8. Reassemble the two parts of the enclosure. Reinsert the four housing screws, and tighten them firmly to close the enclosure. To ensure the waterproof characteristics of the enclosure, examine the enclosure and check for uneven gaps between the two parts, that might allow water in.



Warnings

- Please install, operate and maintain the X3 Valve Controller (and Motorized Valve or Bulldog Valve Robot) 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 controller only with new AA alkaline or lithium-ion batteries. Do not use rechargeable batteries, do not use other type batteries (e.g. zinc blend). Do not mix old and new batteries.
- If storing the controller for extended periods, remove the batteries.
- 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

2 Year Limited Electrical 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 motorized valves and the Bulldog Valve Robot and for 2 years from the date of purchase for the X3 Valve Controller.

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:
X3 VALVE CONTROLLER

PARTY:
YOSMART, INC.

TELEPHONE:
831-292-4831

MODEL NUMBER:
YS5001-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

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