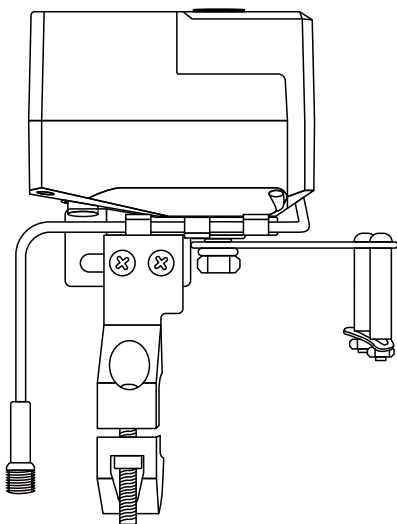
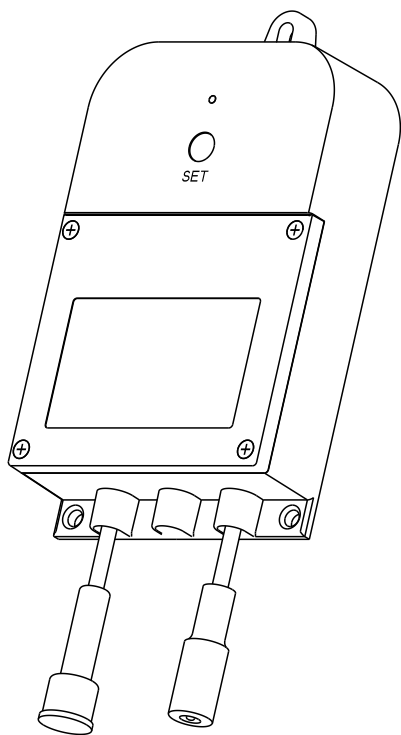




Valve Controller 2 & Bulldog Valve

YS5003(S)-UC

KITS:

YS5003(S)-UC & BULLDOG



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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 Valve Controller 2 support page on our website, for the latest installation guides, additional resources, information and videos by visiting:

<https://www.yosmart.com/support/YS5003-UC>

Or by scanning the QR code:



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

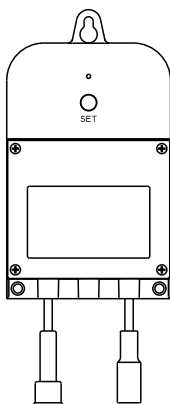


Your Valve Controller 2 wirelessly connects to the internet via a YoLink Hub, and it does not directly connect to your WiFi or local network. In order for remote access to the device. from the app, and for full-functionality, a YoLink hub is required. This guide assumes the YoLink app has been installed on your phone, and a YoLink Hub or SpeakerHub is installed and online.

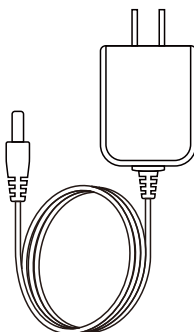


In the Box

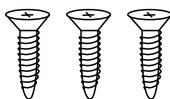
YS5003(S) Items:



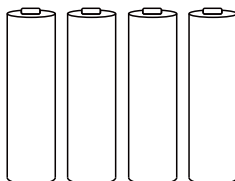
Valve Controller 2



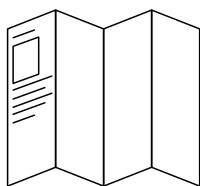
Plug-in Power Supply



Phillips Head Screws(3)



4 x AA Batteries (Pre-Installed)

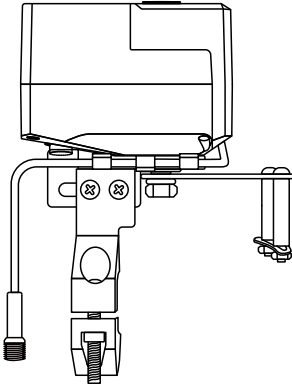


Quick Start Guide



In the Box, Continued

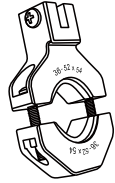
Bulldog Valve Robot Kit Items:



Bulldog Valve Robot

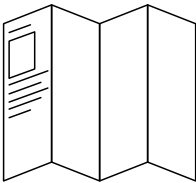


24-36x50



36-52x54

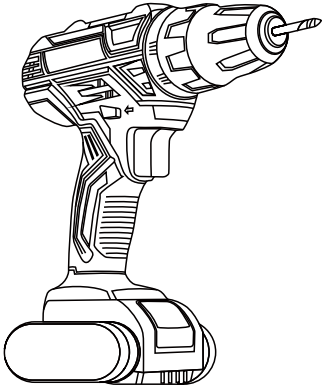
Large & Small Brackets



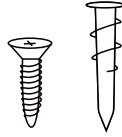
Quick Start Guide

D Required Items

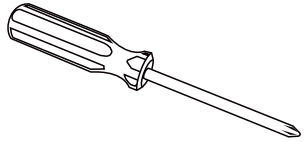
These tools or items may be required:



Drill with Drill Bits

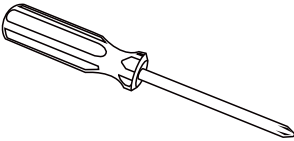


Wall Anchors



Medium Phillips Screwdriver

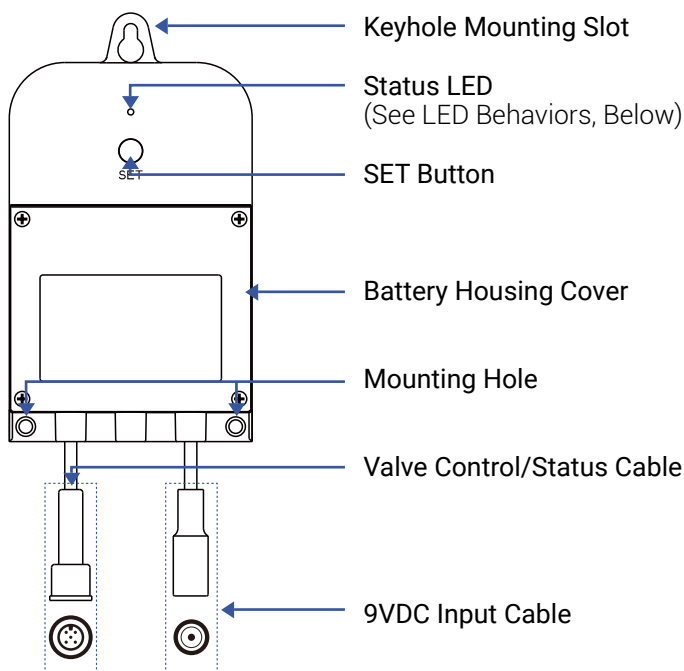
These items will be required to install the Bulldog Valve Robot:



Medium Phillips Screwdriver

E

Get to Know Your Valve Controller 2



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



Quick Blinking Red Twice
Valve is Closed (YS5003S, Only)



Blinking Green Once
Valve Opening



Quick Blinking Green Twice
Valve is Open (YS5003S, Only)



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



or



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

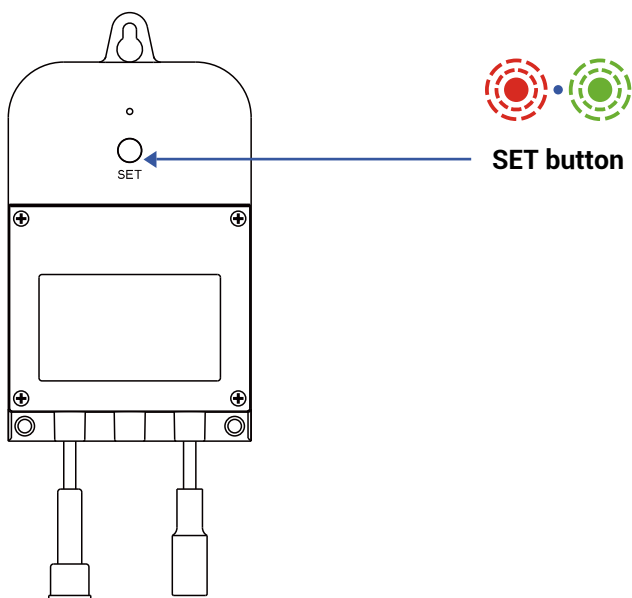


Green LED on Steady
9VDC Power Input Connected

F

Power Up

Power up the Valve Controller 2 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.

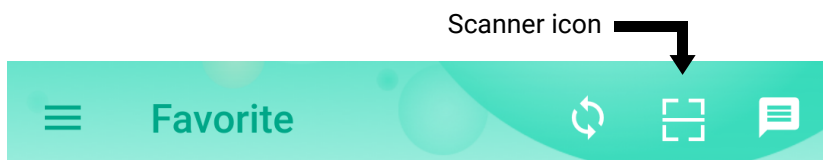
Log in to the app using your new username and password.

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.

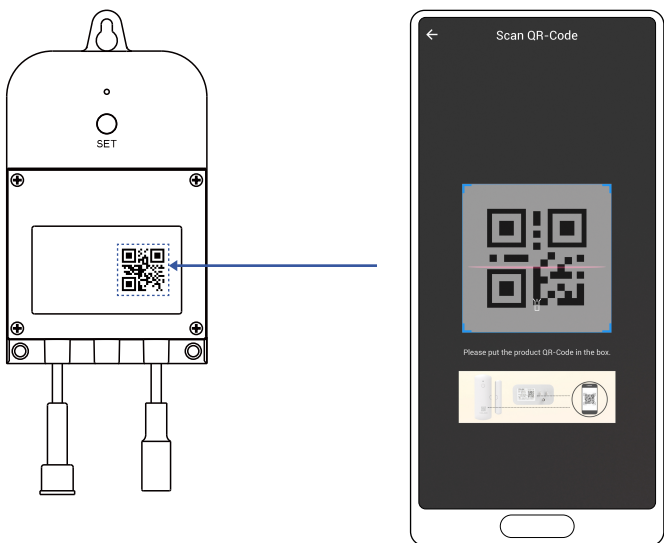


Add Your Valve Controller 2 to the App

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.



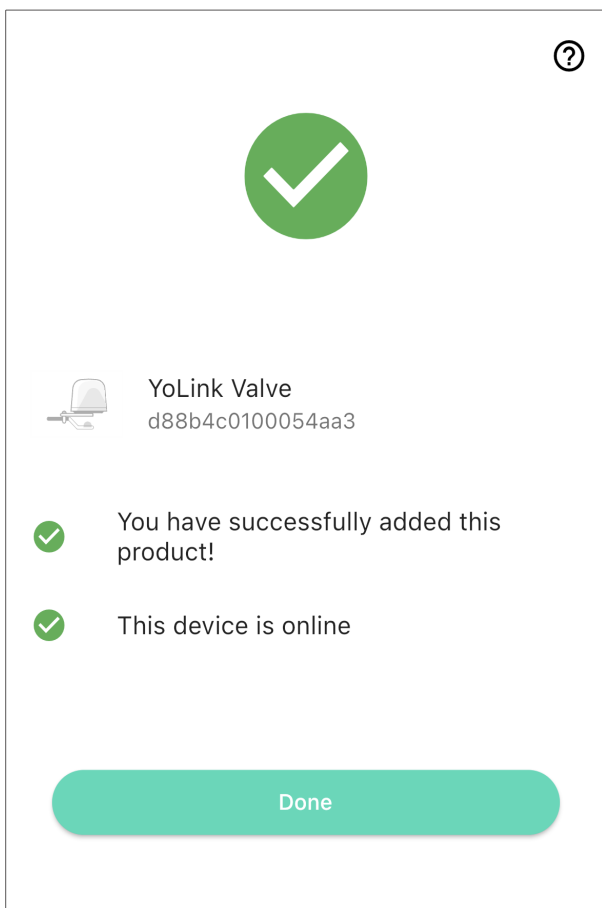
3. Hold the phone over the QR code so that the code appears in the viewfinder. If successful, the **Add Device** screen will be displayed.



Add Your Valve Controller 2 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**.





Install the Valve Controller 2

Preparing for installation:

Determine where you will mount the valve controller. The Valve Controller 2 was designed to be wall-mounted, at an indoor or outdoor location.

If installing your Valve Controller 2 and/or valve device at an outdoor location, please first refer to the environmental range specifications, found on the Valve Controller 2 product support page of our website. Also, while the Valve Controller 2, the Bulldog Valve Controller and our motorized valves are rated for outdoor use, to ensure years of dependable operation, provide protection from rain and direct sunlight with overhead cover, in the form of an enclosure or rain hood.☒

Do not install your valve controller or valve device at a location where it will be submerged in water.

Use of the 9VDC power supply/adaptor is optional. If you do not use the power supply/adaptor (or provide your own 9VDC power supply), the valve controller must have batteries installed. If you do connect a 9VDC power supply to your valve controller, the use of batteries is optional.



Install the Valve Controller 2, Continued

With the use of optional extension cables, the valve controller can be installed remotely from the Bulldog or motorized valve. In some cases this may allow placing the controller at a more convenient or more accessible location (for battery replacement, etc.). The location of the valve controller must be within the limits of the cables. If in doubt, connect all applicable cables between the controller and the valve device and the AC power outlet (if applicable) and choose an appropriate location for the controller. (Extension cables can be purchased on our website.)

Determine how you will mount the valve controller to the wall, and ensure you have the appropriate mounting hardware (screws, anchors, etc.) for the wall surface.

Install the Valve Controller 2:

1. Holding the valve controller at the desired location, and using a marker or pencil, transfer the valve controller's top mounting hole location to the wall surface.
2. If using wall anchors, install one at the top mounting hole location, per the manufacturer's instructions (drill a pilot hole first, etc.)



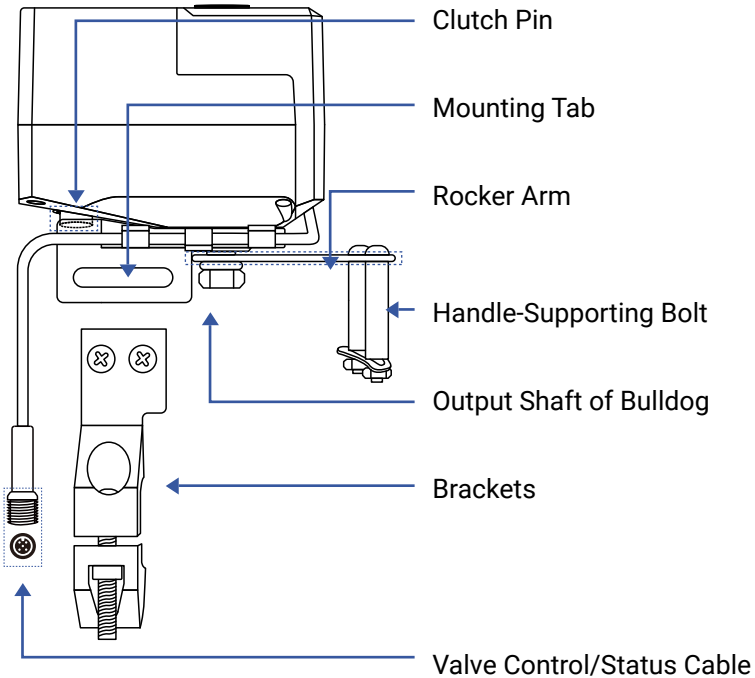
Install the Valve Controller 2, Continued

- 3.** Insert a screw in the top mounting hole location, but do not screw it flush with the wall; leave space on the end of the screw for the valve controller.
- 4.** Hang the valve controller on this screw, and it should be level on the wall. Optionally, you can verify the valve controller is level with a level tool at this time. Using a marker or pencil, transfer the valve controller's two bottom mounting holes to the wall surface.
- 5.** If using wall anchors, install them at this time.
- 6.** Insert screws in each of the two bottom mounting hole locations.
- 7.** Tighten all three screws, and confirm the valve controller is secured to the wall surface.

J

Get to Know Your Bulldog Valve Robot

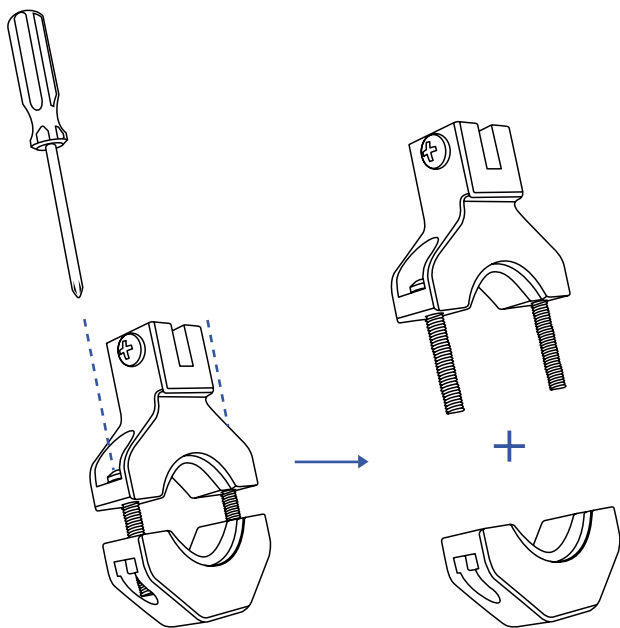
If you need to operate the Bulldog Valve Robot without using the valve controller, you can do so by depressing the clutch pin as shown in the figure.



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

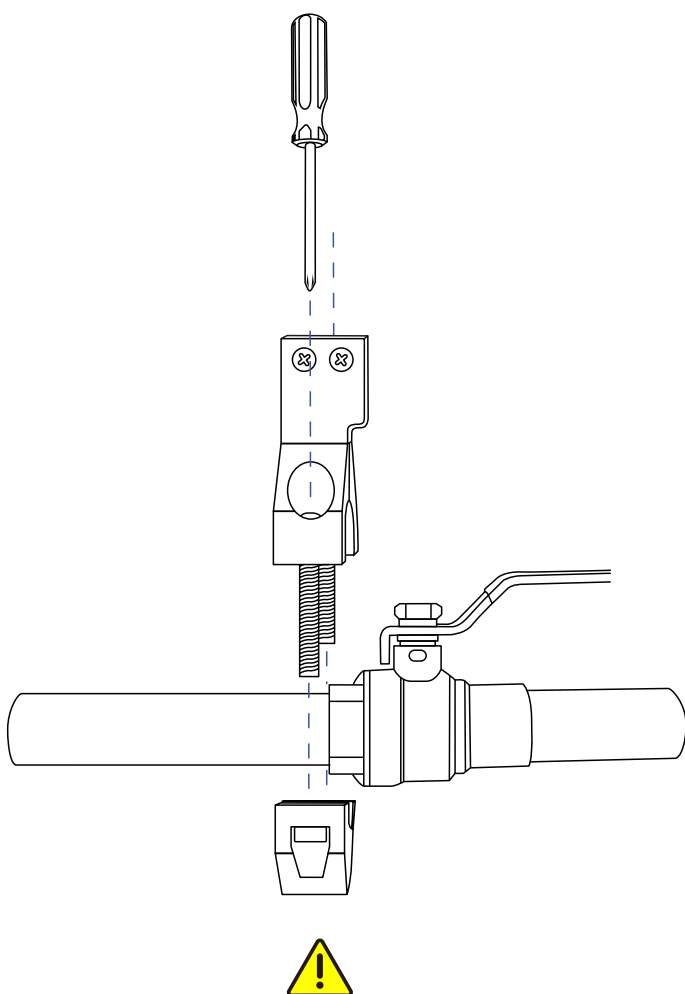
1. Select the appropriate bracket for your application. The appropriate bracket fits over the ball valve (where it is connected to the pipe) and can subsequently be tightened securely to the ball valve. If the bracket does not fit over the ball valve, or seems to be too loose, try the other bracket.
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.

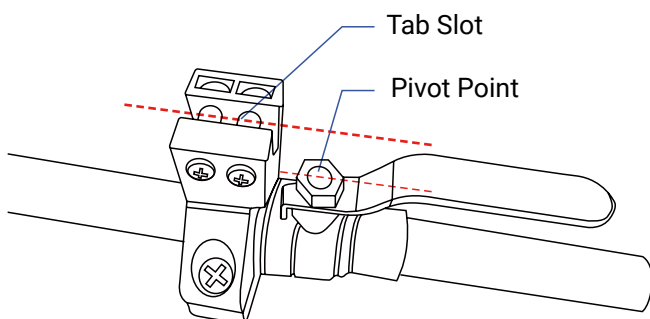


Important! The bracket must be mounted to the ball valve, not to the pipe. The ball valve should have at least one side shaped like a nut or bolt head. The brackets will not tighten to pipe or to a round portion of the ball valve.

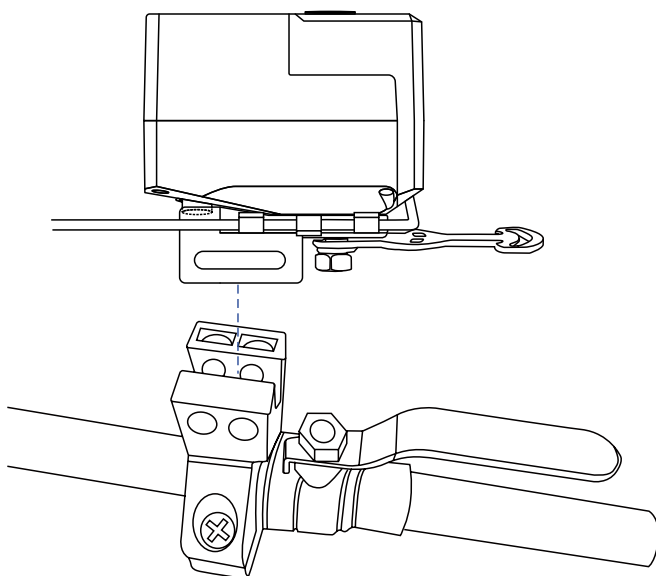
K

Install the Bulldog Valve Robot, Continued

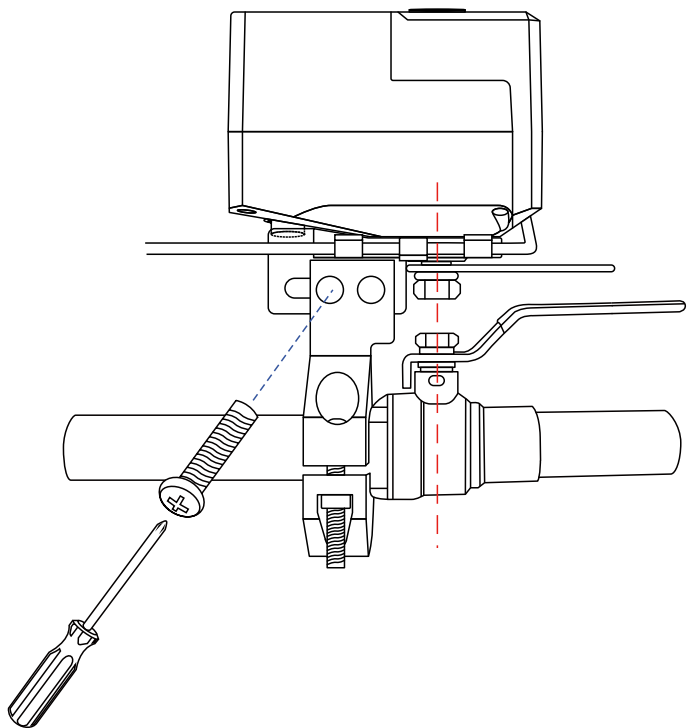
4. Position the bracket so that it is aligned with the pivot point of the ball valve, by visualizing a line between the tab slot and the pivot point, as shown.



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.

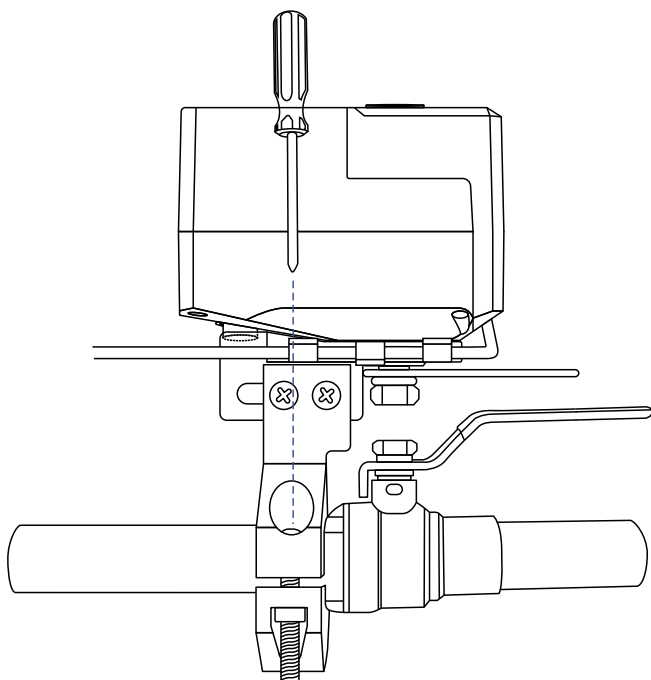


If it is not possible to align the parts as shown, or if the bracket can not be secured to the ball valve, consider rotating the ball valve handle 180°. After removing the Bulldog, this can be done by removing the ball valve handle, and then reinstalling it on the other side. Reinstall the Bulldog (on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

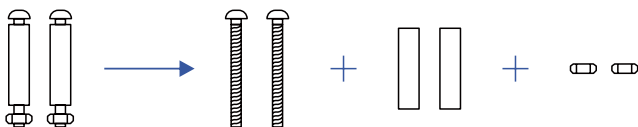
K

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.

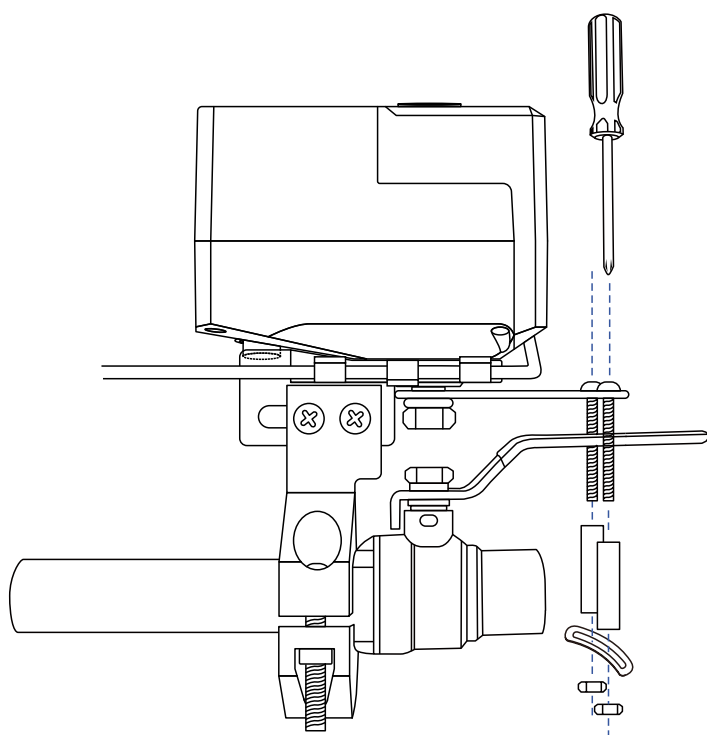


Do not put the screw in backwards! Otherwise, you will have a problem with the bulldog sliding around in it's bracket when activated.

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.



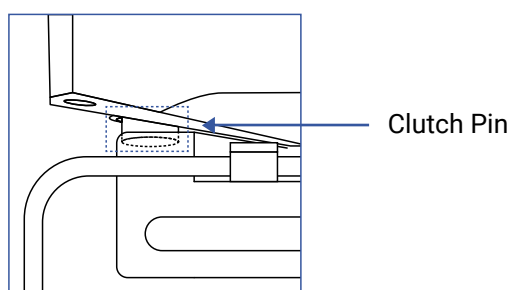
Final Connections

1. Connect the valve controller's valve & status control cable 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. If using the 9VDC power input, via the included plug-in power adapter or via your own 9VDC power supply, prior to plugging-in the power supply/adapter or energizing the power supply circuit, connect the valve controller's 9VDC input cable to the power adapter or 9VDC power supply cable. Plug in the power supply/adapter or energize the 9VDC power supply circuit at this time. If you are electing to power the valve controller only from the 9VDC power input (not recommended), you can remove the batteries at this time.

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 Valve Controller 2 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.

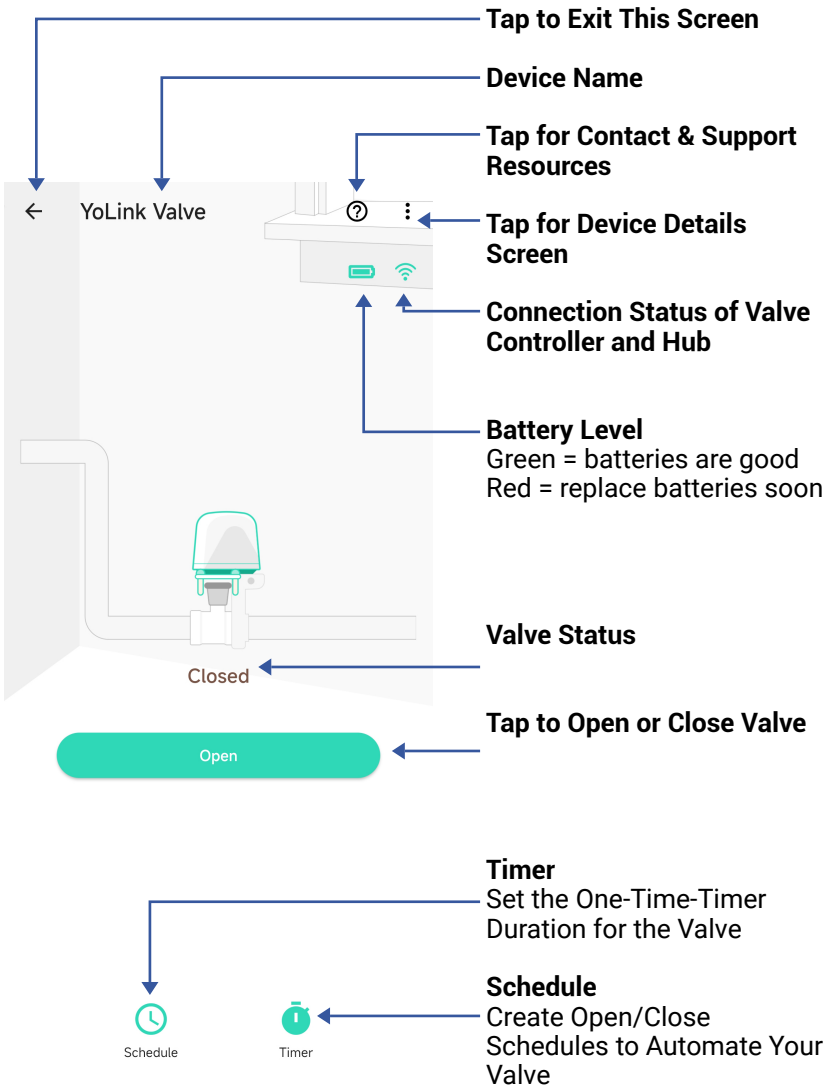
2. Test the operation of the Valve Controller 2 from the app. From the **Rooms** or **Favorite** screen, locate your Valve Controller 2, tap the image, then tap **Close** to turn off the water, and tap **Open** to turn it on.

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 Valve Controller 2 icon. Your Valve Controller 2 main screen should be similar to the one shown below.





App Functions: Device Details Screen

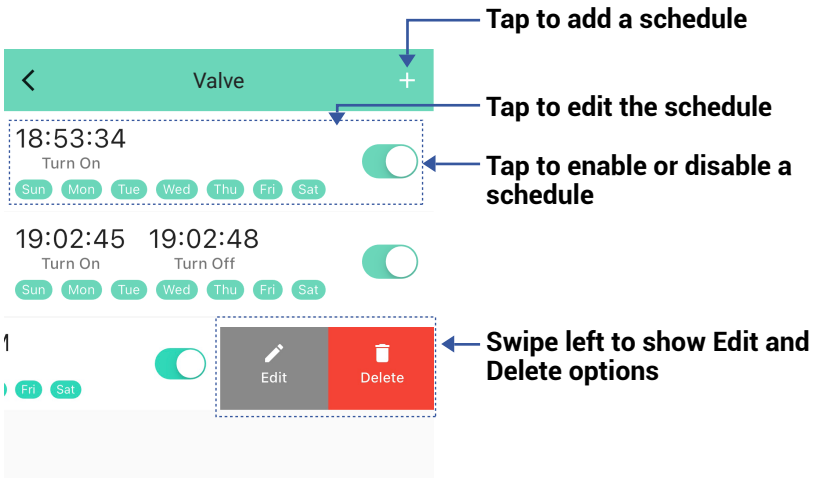
Tap the three dots (in the upper right corner) to open the Valve Controller 2 **Details** screen. Your Valve Controller 2 screen should be similar to the one shown below.

The screenshot shows the 'Details' screen for a Valve Controller 2. 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 details, each with a label on the left and a value on the right. Some values have a right-pointing chevron indicating they are tappable. At the bottom is a red 'Delete' button. Annotations with blue lines point to various elements:

- Device Type**: Points to the 'Type' field showing 'YoLink Valve'.
- Device Name**: Points to the 'Name' field showing 'YoLink Valve' with a chevron. Annotation: (Tap to Edit)
- Room**: Points to the 'Room' field showing 'Not Set' with a chevron. Annotation: (Tap to Edit)
- Favorite**: Points to a red heart icon. Annotation: (Red if Favorite, Tap to Edit)
- History**: Points to a chevron icon. Annotation: Tap to view device history
- Open Reminder**: Points to the 'Open Reminder' field showing 'Disabled' with a chevron. Annotation: Tap to Disable or Enable Open Reminder
- State**: Points to the 'State' field showing 'Closed'.
- Time**: Points to the 'Time' field showing '1/13 06:22:48 (GMT+0)' with a chevron. Annotation: Tap to sync with mobile
- Model Number**: Points to the 'Model' field showing 'YS5003-UC'.
- Device EUI**: Points to the 'Device EUI' field showing 'd88b4c010006ade5'.
- Device Serial Number**: Points to the 'SN' field showing '6526D359CB' with a QR code and a chevron.
- Signal Intensity**: Points to the 'Signal Intensity' field showing 'Strong (~8 dBm)' with a chevron. Annotation: (From YoLink Hub)
- Battery**: Points to the 'Battery' field showing a battery icon.
- Firmware Revision**: Points to the 'Firmware' field showing '0305'.
- Remove Device from Current Account**: Points to the 'Delete' button. Annotation: 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 toggle switch that is turned on; 'Do Not Disturb' with a toggle switch that is turned off; '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' value, the '1' value, the 'Enable Device Alarm' toggle, and the 'Do Not Disturb' toggle.

Strategy Name
Tap to edit the name

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

Tap to Enable or Disable The Strategy

Tap to Set Up Dnd (Do Not Disturb)



App Functions: Alarm Strategy Screen, Continued

The screenshot shows the 'Alarm Strategy' screen with a teal header. Below the header are several settings sections. Callout arrows point from the following text blocks to specific elements on the screen:

- An arrow points from 'Send App Notification' to the 'Admin' dropdown menu.
- An arrow points from 'Notification Settings (iOS only)' to the 'Notification Settings ...' link.
- An arrow points from 'Send Email' to the 'None' dropdown menu.
- An arrow points from 'Send SMS' to the 'None' dropdown menu.
- An arrow points from 'Trigger Action' to the 'None' dropdown menu.

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 Valve Controller 2 can be set up as a condition in an 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, currently set to 'Auto Shut Off'. The 'When' section shows a condition: '7903 Leak Sensor' with a 'Water Leak Alert' trigger. The 'Then' section shows a behavior: 'YoLink Valve' with a 'Close' action. The 'Working Time' section is set to 'Always Working'. At the bottom is the 'Advanced Settings' section. Annotations with arrows point to various elements: a checkmark icon in the header bar, the 'Name' field, the 'When' section, the 'Add behavior' (+) icon, the 'Delete the behavior' (trash) icon, the 'Sort' (list) icon, the 'Always Working' option, and the 'Advanced Settings' section.

Tap to save the settings

Edit the name of the automation

Tap to set a condition 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.



Problem:

The valve controller is offline

Possible Solutions:

- Ensure the Valve Controller 2 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 Valve Controller 2 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

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 Valve Controller 2.



Use of YoLink Control-D2D is optional.

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

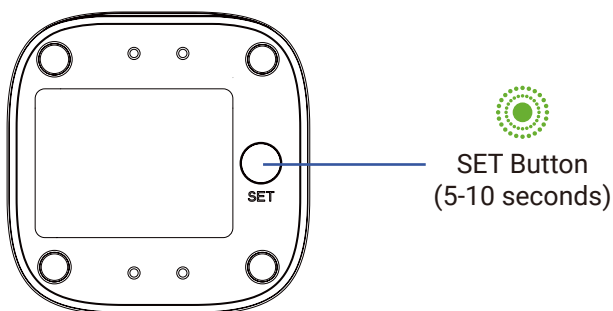
Pairing is separate from the app and any automation, scenes or alarm strategies you may have configured in the app. Use care to not create automations that conflict with Control-D2D-pairing and vice-versa.

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

V Control D2D, Continued

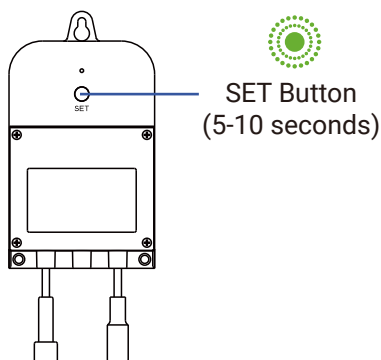
Pairing

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



2. To configure the Valve Controller 2 as a responder, first ensure that the valve 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.





Control D2D, Continued

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 Valve Controller 2, 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 Valve Controller 2 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.

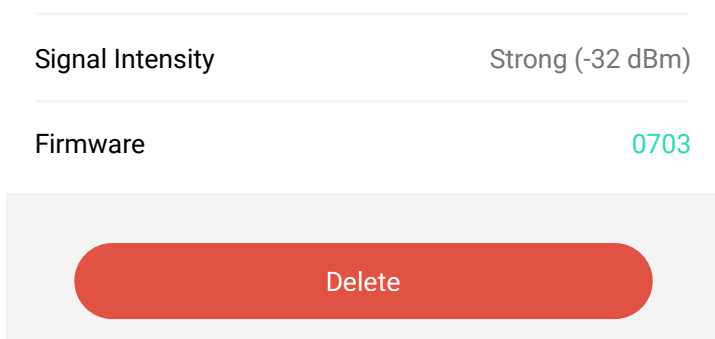


Only deleting a device from the app will remove it from your account. Factory reset will not delete the device from the app.

X Firmware Update

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

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



Tap in this area to start the update.

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



Specifications-5003

Housing IP Rating: IP66

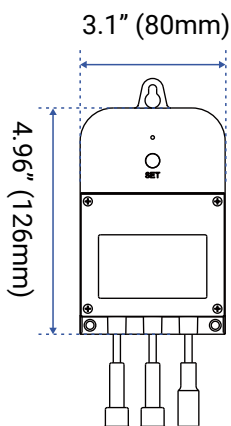
Voltage Out: DC 9VDC

Output Load Power: ≤ 900 mA max

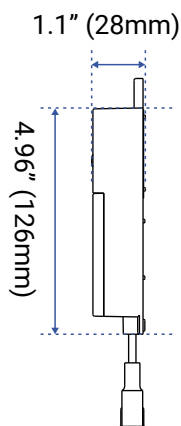
Standby Power: $\leq 90\mu\text{A}$ (4 AA Battery)

Cables: 5-Conductor
Cable, 7.9" (200.0mm),
w/Watertight
Connector

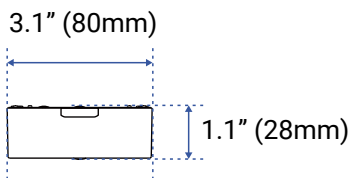
Environment Temp.
Range: -4° to 122°F (-20° to
50°C)



FRONT



SIDE

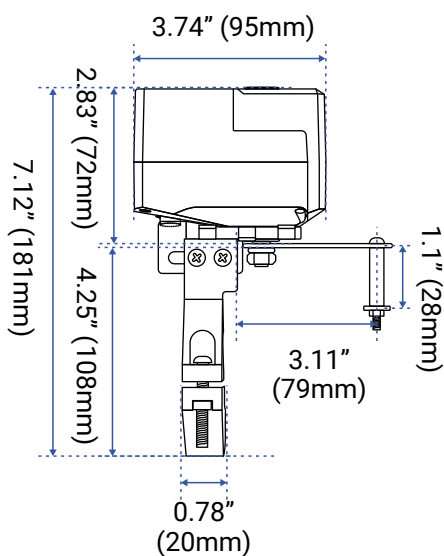


TOP

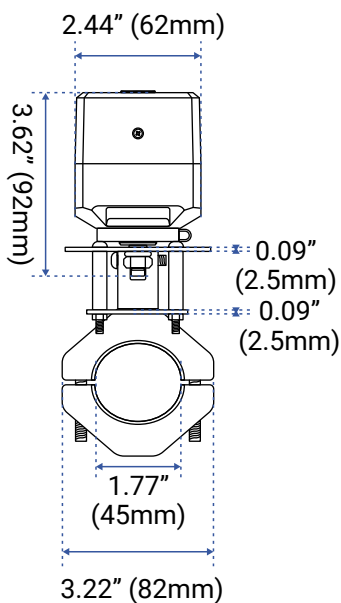


Specifications-Bulldog

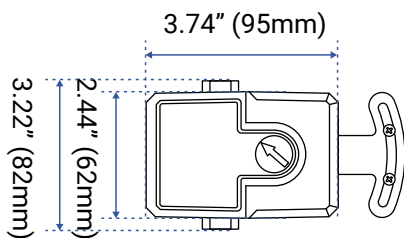
HOEM:	EcONet
MOTOR:	High Torque Geared Valve Motor
TORQUE:	-11lbf (-15Nm)
VOLTAGE:	9VDC (Supplied by Controller,Required, Not Shown)
HARNESS:	2-Conductor Cable, 28"(700mm)Long, w/Watertight Connector
COMPATIBLE VALVES:	Supports 1/2", 3/4", 1",1.25" and 1.5" Ball Valves
ENVIRONMENTAL:	32 to 122°F (0 to 50°C)
IP Rating:	IP55



FRONT



SIDE

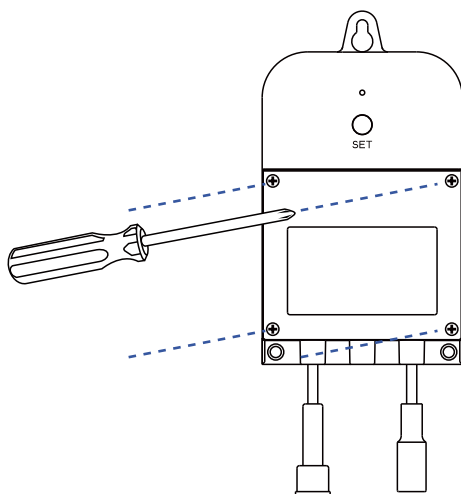


TOP

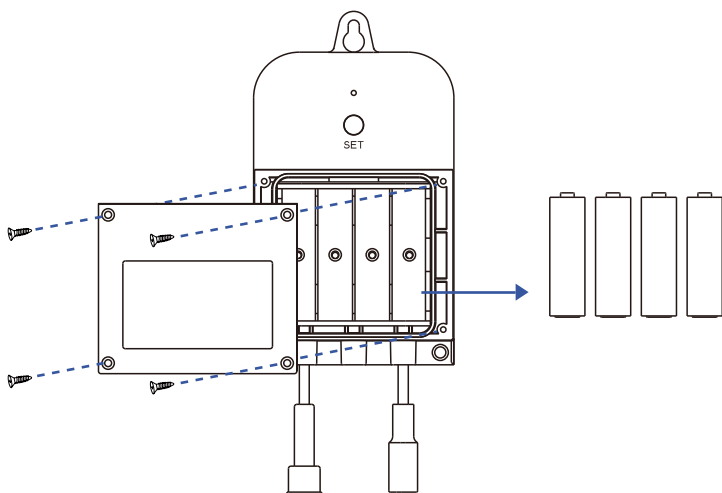
Z

Battery Replacement

1. Using a Phillips screwdriver, loosen the four battery cover screws, and remove the battery compartment cover.

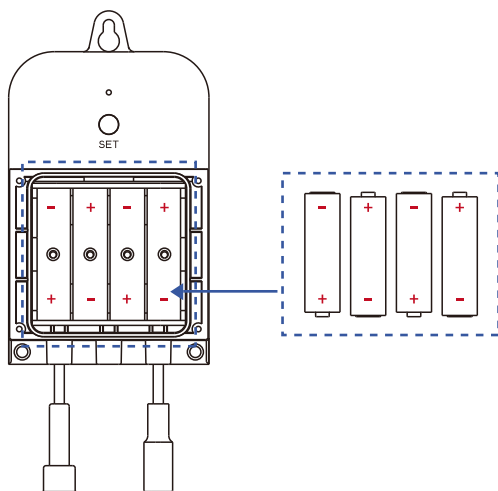


2. Remove all four batteries.



Z Battery Replacement, Continued

3. Observing the correct battery position and polarity, replace them with new AA batteries



4. Replace the battery compartment cover and tighten the screws.

5. In the app, verify the Valve Controller 2 is online and the batteries are indicated as good.



The Valve Controller 2 can be powered by alkaline or lithium-ion batteries. Do not use rechargeable or other type batteries.



Warnings

- Please install, operate and maintain the Valve Controller 2 (and Motorized Valve or Bulldog Valve Robot or valve operator) 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, valve operator and the Bulldog Valve Robot and for 2 years from the date of purchase for the Valve Controller 2.

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:
VALVE CONTROLLER 2

PARTY:
YOSMART, INC.

TELEPHONE:
831-292-4831

MODEL NUMBER:
YS5003-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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