



YOLINK YS5003-UC Gas-Water Valve Controller User Guide

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YOLINK

YOLINK YS5003-UC Gas-Water Valve Controller



Product Information

The Gas/Water Valve Controller is a smart home device designed to control the opening and closing of a ball valve for gas or water supply. It is compatible with YoLink products and requires a YoLink Hub or SpeakerHub for remote access and full functionality. The Valve Controller connects to the internet through the YoLink Hub and does not directly connect to your WiFi or local network.

The Bulldog Valve Robot is included in the kit and works in conjunction with the Valve Controller to automate the operation of the ball valve. It is important to note that the existing ball valve must be in good working order for the Bulldog Valve Robot to function properly.

The Valve Controller and Bulldog Valve Robot can be installed indoors or outdoors but should be protected from rain and direct sunlight if installed outside.

Product Usage Instructions

1. Before you begin, make sure you have downloaded the YoLink app on your phone and have installed a YoLink Hub or SpeakerHub.
2. Ensure that the existing ball valve is in good working order, opening and closing smoothly with minimal effort, and fully shutting off the water or gas supply.
3. If installing the Valve Controller and Bulldog Valve Robot outdoors, refer to the environmental range specifications on the Valve Controller product support page.
4. Mount the Valve Controller using the keyhole mounting slot and secure it with the enclosure clamp latches.
5. Connect the Valve Controller to the existing ball valve using the cable connector.
6. Insert 4 AA batteries into the Valve Controller for power.
7. Use the included large and small brackets to mount the Bulldog Valve Robot onto the existing ball valve.
8. Ensure that all LED behaviors of the Bulldog Valve Robot are normal and indicate the correct valve status.
9. Pair the Valve Controller with the Bulldog Valve Robot using the control-D2D pairing function, indicated by quick blinking green LED.
10. Once the Valve Controller and Bulldog Valve Robot are properly installed and paired, you can control the

opening and closing of the ball valve remotely through the YoLink app.

Please refer to the full Installation & User Guide for detailed instructions and troubleshooting. You can download the guide by scanning the provided QR code or visit the Valve Controller Product Support Page at <https://shop.yosmart.com/pages/valve-controller-product-support>.

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!

Eric Vanzo

Customer Experience Manager

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

Before You Begin

Please note: this is a quick start guide, intended to get you started on the installation of your Valve Controller.

Download the full Installation & User Guide by scanning this QR code:

You can also find all current guides and additional resources, such as videos and troubleshooting instructions, on the Valve Controller Product Support Page by scanning the QR code below or by visiting:

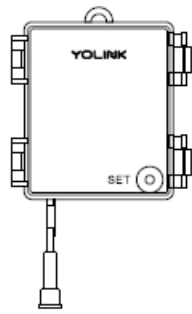
<https://shop.yosmart.com/pages/valve-controller-product-support>

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.

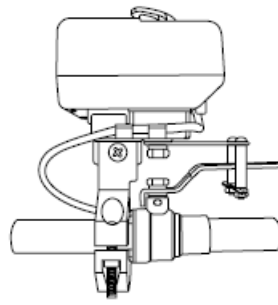
Your Valve Controller connects to the internet via a YoLink Hub or SpeakerHub, and it does not directly connect to your WiFi or local network. In order for remote access to the device from the app, and for full-functionality, a YoLink hub is required. This guide assumes the YoLink app has been installed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

If installing the Valve Controller and Bulldog Valve Robot outdoors, please refer to the environmental range specifications found on the Valve Controller product support page. While these devices can be installed outdoors, it should be protected from rain and direct sunlight by an enclosure or overhead cover, such as a rain hood.

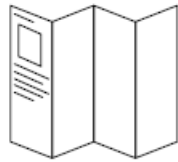
In the Kit



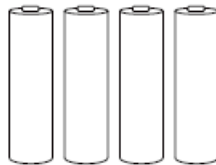
Valve Controller



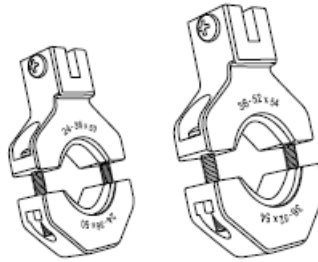
Bulldog Valve Robot



Quick Start Guide



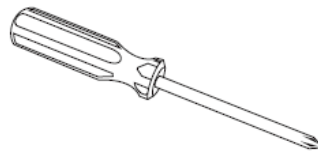
4 x AA Batteries



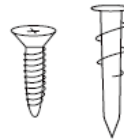
Large & Small Brackets

Required Items

The following items will be required:

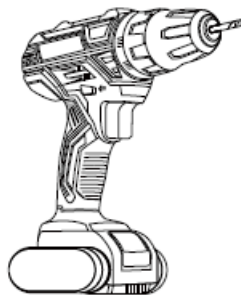


Medium Phillips
Screwdriver



Wall Anchors

The following items may be required:

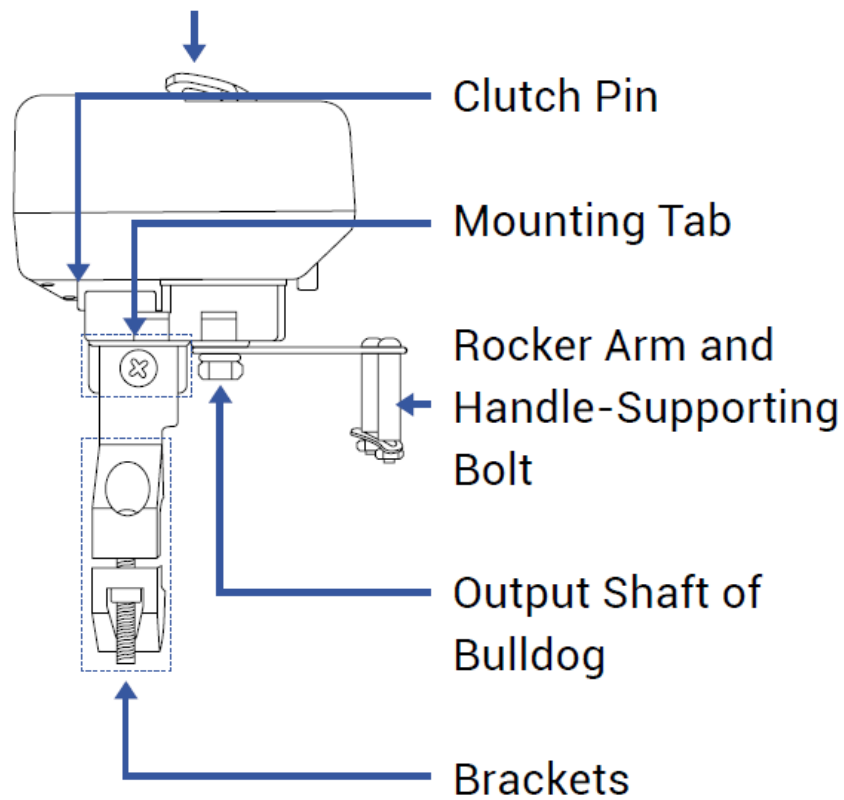


Drill with Drill Bits

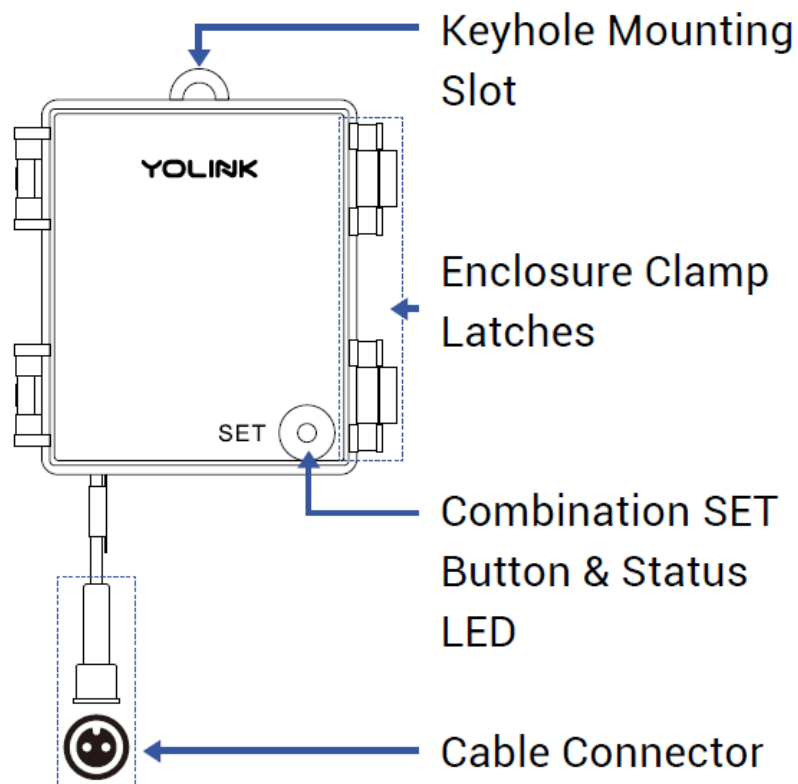
Get to Know

Get to Know Your Bulldog Valve Robot










Handle and Position Indicator



Get to Know Your Valve Controller

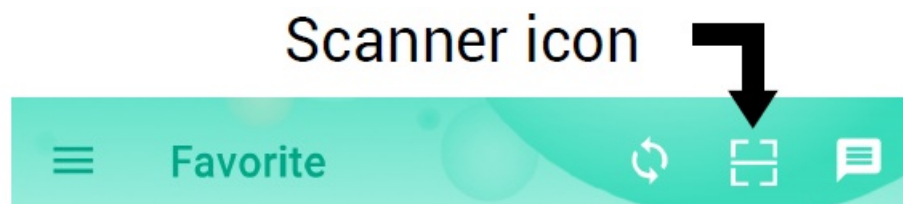


LED Behaviors

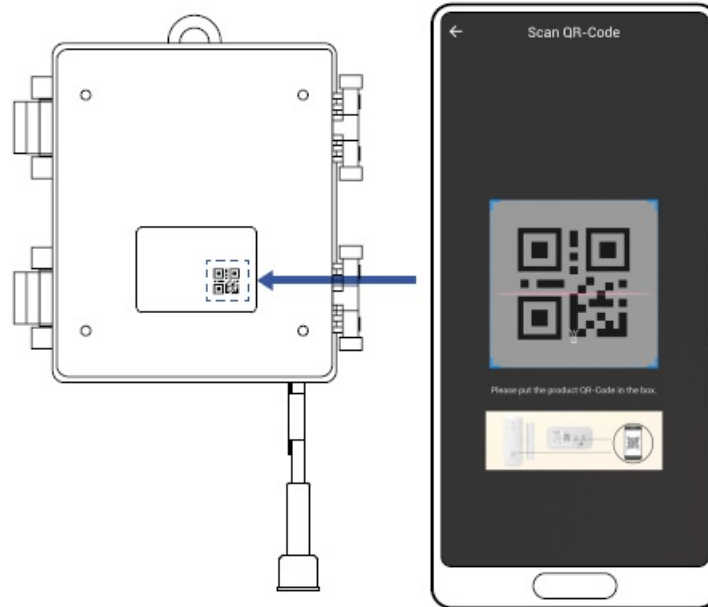
-  **Blinking Red Once, Then Green Once**
Device Start-Up
-  **Blinking Red And Green Alternately**
Restoring to Factory Defaults
-  **Blinking Red Once**
Valve Closing
-  **Quick Blinking Red Twice**
Valve is Closed
-  **Blinking Green Once**
Valve Opening
-  **Quick Blinking Green**
Control-D2D Pairing 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

Add Your 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.
4. Follow the instructions to add your Valve Controller to the app.

Install the Valve H Controller

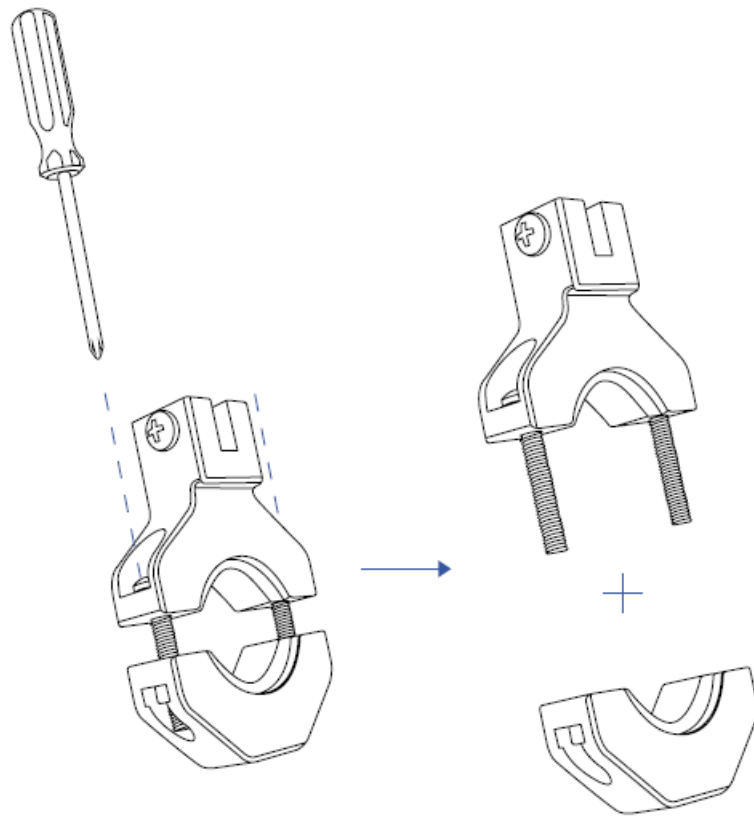
Preparing for installation:

Determine where you will install your Valve Controller. Typically, it should be wall-mounted, no farther away from the Bulldog Valve Robot 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 Bulldog Valve Robot). Determine how you will mount the valve controller to the wall, and have hardware and anchors appropriate for the wall surface on hand.

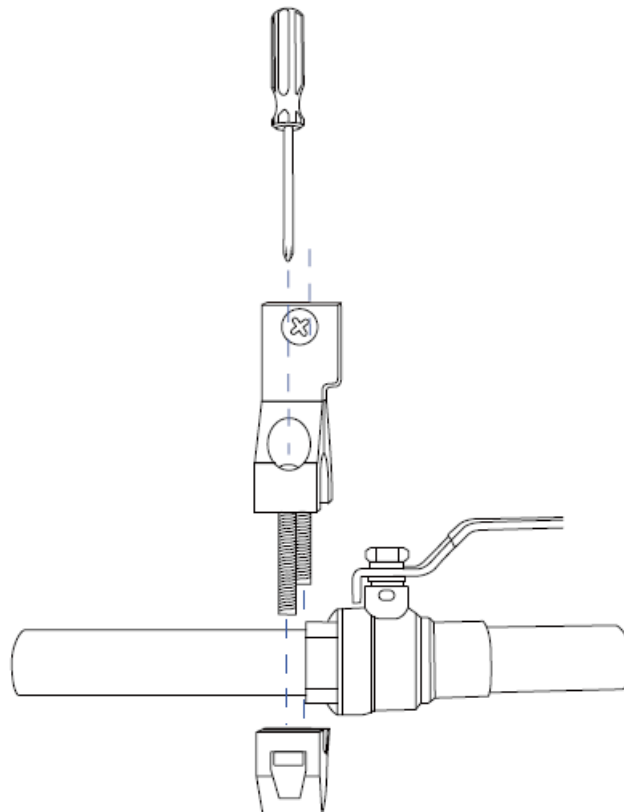
1. Mark the location of the hole for the valve controller's mounting slot on the wall first, if desired. Install an anchor in the wall, if desired, per the anchor manufacturer instructions. Insert the screw into the anchor (or wall), leaving enough space to hang the controller.
2. Hang the valve controller from the screw. Tighten the screw as needed to secure the controller firmly to the wall.

Install the Bulldog Valve Robot

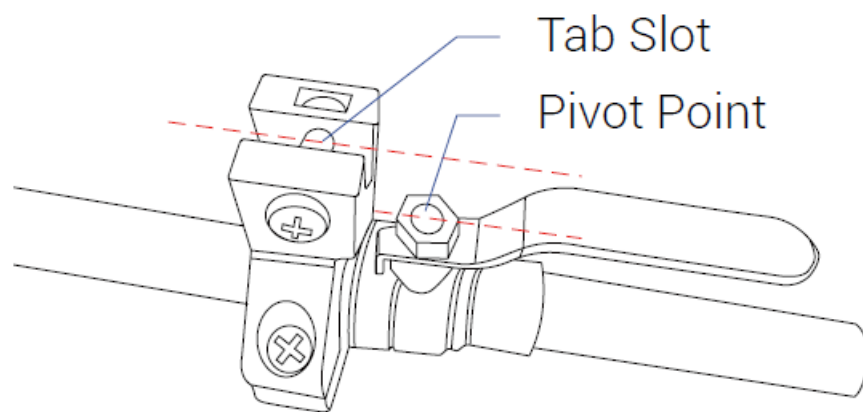
1. Select the appropriate bracket for your application. The appropriate bracket will fit over the ball valve, and will allow for clamping securely to it when the screws are tightened. If the bracket does not fit over the ball valve or seems to be too loose, use the other bracket.
2. Loosen the two screws, to separate the bracket into two pieces.



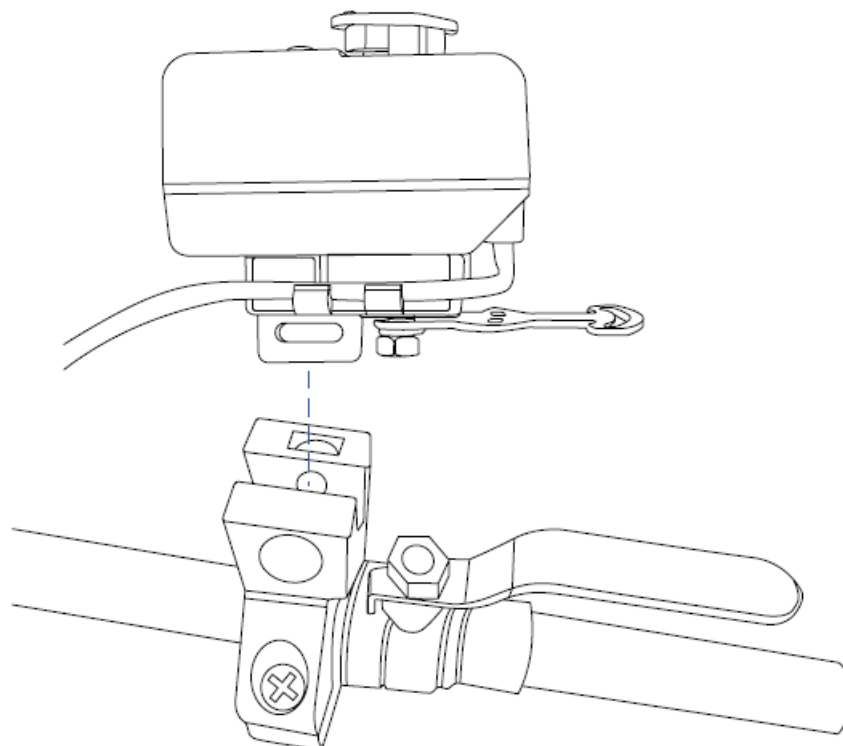
3. Place the upper bracket and lower bracket on the valve, as shown, and loosely tighten the screws.



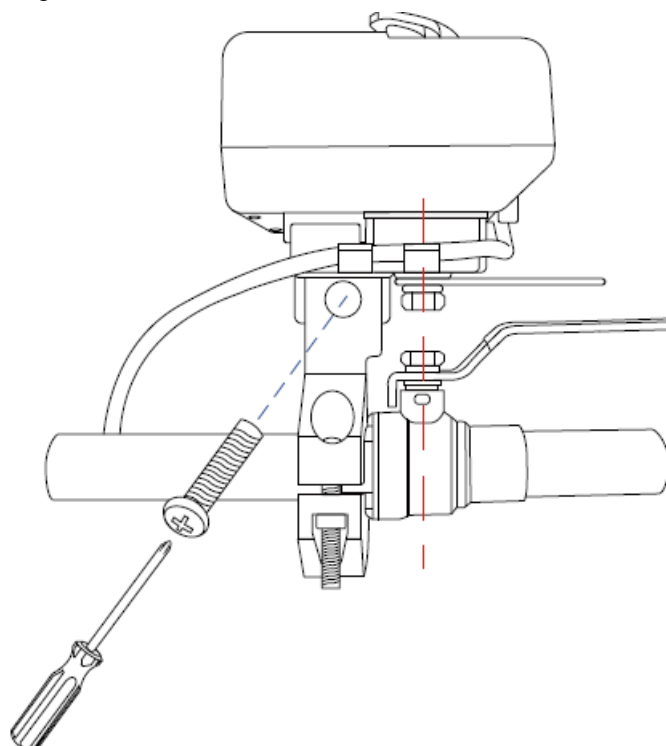
4. Position the bracket so that it is aligned with the pivot point of the ball valve, by visualizing a line between the tab slot and the pivot point.



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

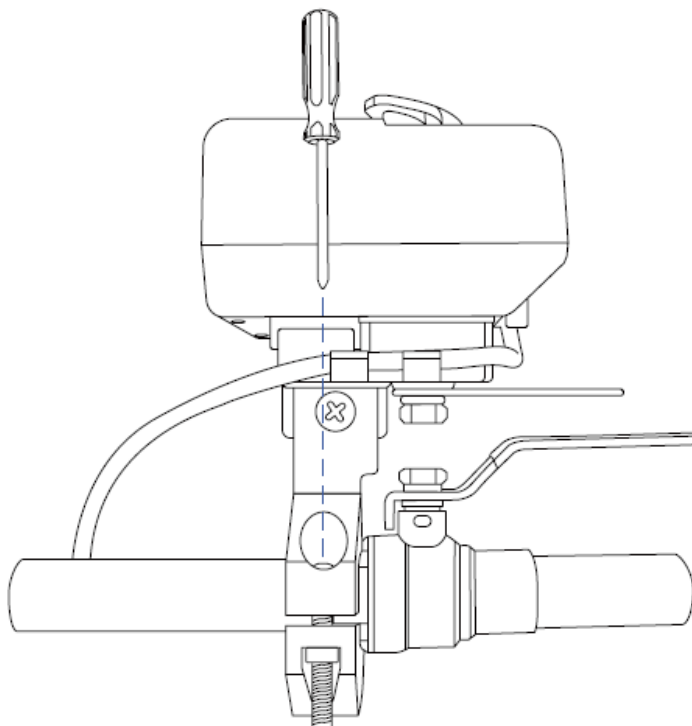


6. Keeping the center axis of the Valve Robot's motor shaft aligned with the ball valve shaft, as indicated by the red dashed line, reinsert and tighten the tab slot screw.

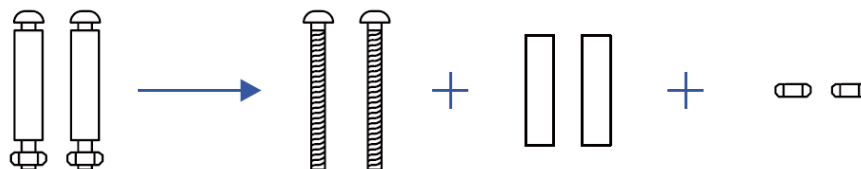


If it is not possible to align the parts as shown, or if the bracket can not be secured to the ball valve, consider rotating the ball valve handle 180°. After removing the Bulldog, this can be done by removing the ball valve handle, and then reinstalling it on the other side. Reinstall the Bulldog (on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

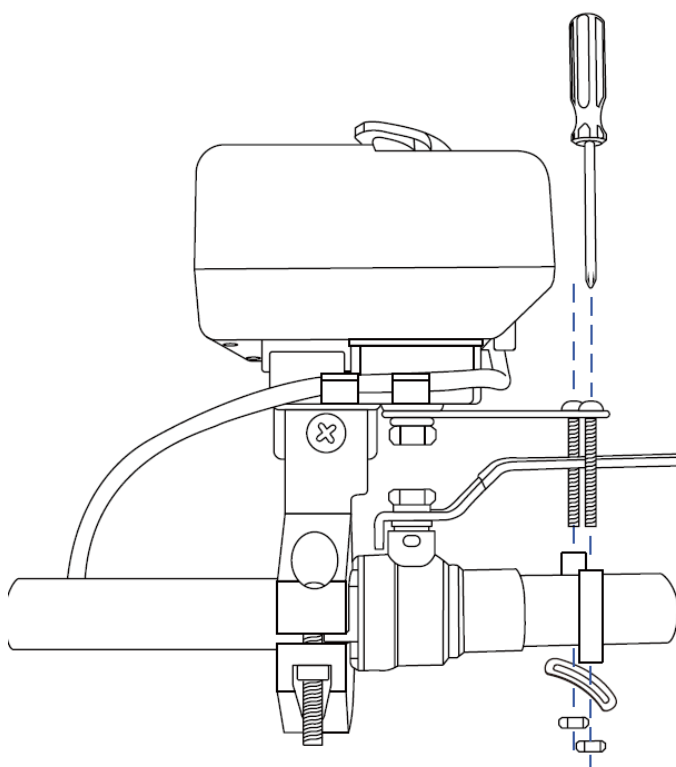
7. Securely tighten the two screws on the bracket. Gently tug on the Bulldog, and tighten the screws until the Bulldog is firmly held in place by the bracket and tab screw.



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



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



10. Put the collars back on the bolts. Next, while holding the bolts and collar pieces in place, attach the bottom supporting bracket, as shown. Then, attach and loosely tighten the nuts to the bolts. Finally, position both bolts and collars so that they are snug against each side of the valve lever.

Power Up, Final Connections & Testing

1. Install batteries in the Outdoor Alarm Controller. This is done by releasing the two clamp latches on the side of the controller, then opening the cover. Then, install four new AA batteries.
2. Close the cover, snapping the clamp latches tightly into locked position.
3. The Valve Controller will appear offline until it is turned on and it wirelessly connects to a YoLink hub. Turn on the Valve Controller by pressing the SET button until you see the LED blink (red, then green, indicates the Valve Controller has connected to the cloud).
4. In the app, verify the Valve Controller is indicated as online.
5. Connect the valve controller's valve control cable to the control cable of the Bulldog Valve Robot.
6. Test the 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 sub-optimal Bulldog installation and/or a mechanical issue with the ball valve (such as too stiff or too much resistance to turning). Return to section K, if needed.
7. Test the operation of the Valve Controller from the app. From the Rooms or Favorite screen, locate your Valve Controller, tap the image, then tap Close to turn off the water, and tap Open to turn it on.

Refer to the full installation and user guide to complete the setup of your Valve Controller and Bulldog Valve Robot.

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:



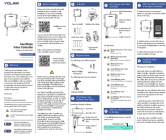
Finally, if you have any feedback or suggestions for us, please email us at feedback@yosmart.com

Thank you for trusting YoLink!

Eric Vanzo

Customer Experience Manager

Documents / Resources



[YOLINK YS5003-UC Gas-Water Valve Controller](#) [pdf] User Guide
YS5003-UC, BULLDOG, YS5003-UC Gas-Water Valve Controller, YS5003-UC, Gas-Water Valve Controller, Valve Controller, Controller

References

- [Facebook icon](#)