

## Valve Controller & Motorized Valve Kit

YS4909-UC & DN##

Quick Start Guide

Revision Feb. 06, 2023

### A Welcome!

Thank you for purchasing YoLink products! We appreciate you trusting YoLink for your smart home & automation needs. Your 100% satisfaction is our goal. If you experience any problems with your installation, with our products or if you have any questions that this manual does not answer, please contact us right away. See the Contact Us section for more info.

Thank you!  
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

- Pour des instructions en français, scannez les codes QR dans la section suivante.
- Para obtener instrucciones en español, escanee los códigos QR en la siguiente sección.

### B 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:

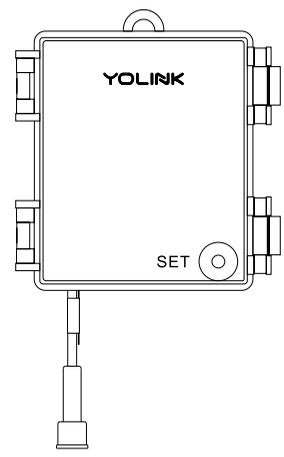
<https://shop.yosmart.com/pages/valve-controller-product-support>



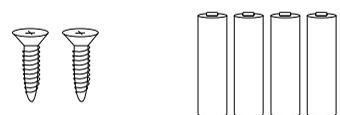
Your Valve Controller connects to the internet via one of our hubs (original YoLink Hub or the SpeakerHub), and it does not connect directly to your WiFi or local network. In order for remote access to the device from the app, and for full-functionality, a hub is required. This guide assumes the YoLink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

If installing the Valve Controller and motorized valve outdoors, please refer to the environmental range information in the specifications found on the 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.

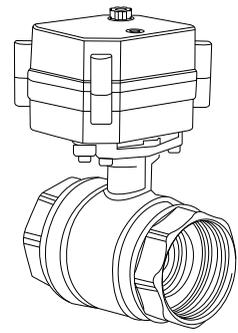
### C In the Kit



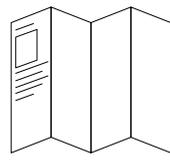
Valve Controller



Phillips Head Screws(3)      4 x AA Batteries



Motorized Valve



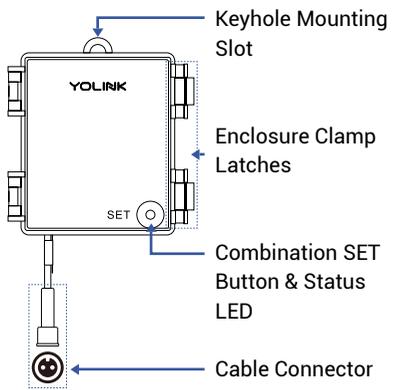
Quick Start Guide

### D Required Items

These tools or items may be required:

- Pipe Wrench
- Locking Pliers
- Copper Pipe Cutting Tool
- Pipe Fittings /Adapters
- Thread Seal Tape
- Sandpaper
- Drill with Drill Bits
- Wall Anchors
- Medium Phillips Screwdriver
- Marker or Pencil

### F Get to Know Your Valve Controller

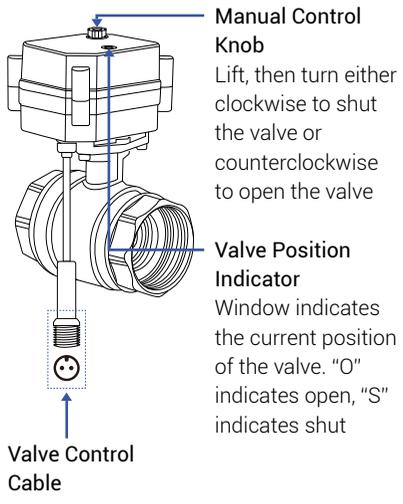


### F Get to Know Your Valve Controller, Continued.

- LED Behaviors**
- Blinking Red Once, Then Green Once**  
Device Start-Up
  - Blinking Red And Green Alternately**  
Restoring to Factory Defaults
  - Blinking Red Once**  
Valve Closing
  - 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

### F Get to Know Your Motorized Valve

The valve included in this kit is a 12VDC non-smart motorized valve. Use only this valve or YoLink-approved valve control products, such as the Bulldog Valve Robot. Do not use with non-YoLink valve products.



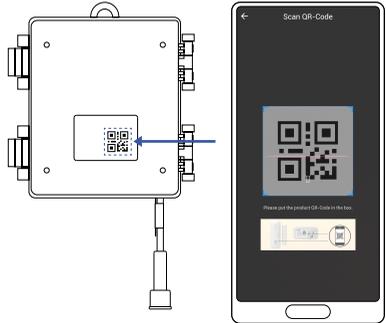
## G Add Your Valve Controller to the App

1. Tap **Add Device** (if shown) or tap the scanner icon:

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.

## H Install the Valve Controller

Preparing for installation:

Determine where you will install your Valve Controller. Typically, it should be wall-mounted, no farther away from the motorized valve 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 motorized valve).

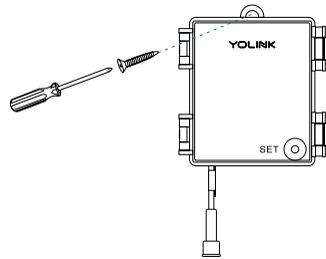
Determine how you will mount the valve controller to the wall, and have hardware and anchors appropriate for the wall surface on hand.

## H Install the Valve Controller, Continued.

1. At the desired location for the controller, confirm the cables of the two devices will reach each other. Holding the controller at the desired location, and using a marker or similar means, mark the location of the mounting hole to the wall or mounting surface.

2. If you are using a wall anchor, install it at this time, per the manufacturer's instructions.

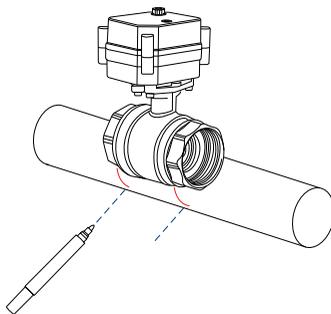
3. Secure the Valve Controller to the wall or mounting surface with a screw, as shown.



## I Install the Motorized Valve

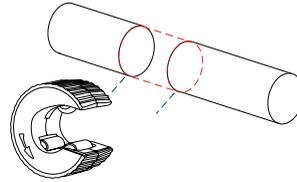
1. Shut-off the water serving the pipe where the valve is to be installed. Drain the water from the pipe, by turning on a faucet, or by other method as required.

2. Depending on the adapter fitting used, measure the length of pipe that must be cut, and mark the cut lines on the pipe, as shown below.



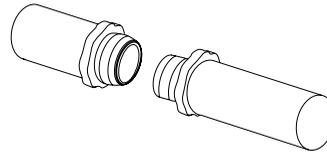
## I Install the Motorized Valve, Continued.

3. Cut the water pipe through the mark using a pipe cutting tool, then remove the cut section of pipe, as shown below.

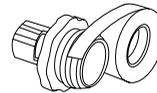


4. Sand both ends of cut pipe, removing any burrs or rough edges. Use care handling the cut edges, which may be sharp! Wipe off the cut section of pipe with a clean cloth.

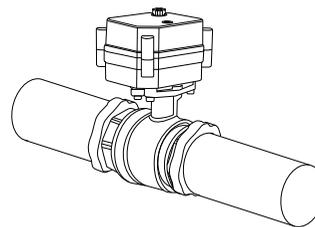
5. Install your adapter fittings in the pipe ends, per the manufacturer instructions.



6. Wrap each adapter's threaded end with thread seal tape, per the tape manufacturer's instructions, as shown below.



7. Install the motorized valve on the adapter fittings, ensuring a secure connection at each fitting, as shown below.



8. At the water valve or point of disconnection, turn the water on again.

9. Verify there are no leaks and no visible water on the motorized valve.

## J Power Up, Final Connections & Testing

1. Install batteries in the Valve Controller. This is done by releasing the two clamp latches on the side of the controller, then opening the cover. Then, install the batteries.

2. Close the cover, snapping the clamp latches tightly into the locked position.

3. Connect the Valve Controller's cable to the control cable of the motorized valve. Ensure the arrow on the cable connector aligns with the arrow on the other cable connector. Twist the collar of the connector tight.

4. 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, just long enough for the LED to illuminate. It should blink red, then green, which indicates the Valve Controller has connected to the cloud.

5. Test the 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.

**Refer to the full installation and user guide to complete the setup of your Valve Controller and motorized valve.**



Your Valve Controller is supplied with alkaline batteries. If you elect to replace the batteries with lithium type batteries, please note, in very cold temperatures, the battery level may be indicated in the app as lower than it actually is. This is characteristic of lithium batteries.

## K 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](mailto: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](http://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](mailto:feedback@yosmart.com)

Thank you for trusting YoLink!

Eric Vanzo  
Customer Experience Manager

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