

5003 image

Motorized valve image

# Valve Controller 2 & Motorized Valve Kit

YS5003-UC&DN##

Quick Start Guide

Revision Dec. 16, 2022

## 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

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.

Para obter instruções em português, escaneie os códigos QR na próxima seção.

## B Before You Begin

Please note: this is a quick start guide, intended to get you started on the installation of your Valve Controller 2 and motorized valve kit. Download the full installation & user guide by scanning this QR code:



Installation & user guide

For additional resources, such as videos and troubleshooting instructions, visit the product support page at <https://shop.yosmart.com/pages/-valve-controller-2-product-support> Or by scanning this QR code:



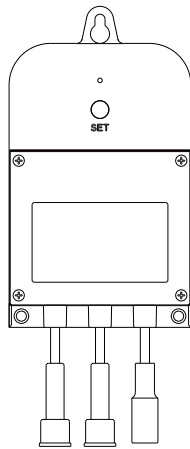
Product Support  
Support produit  
Soporte de producto  
Suporte ao produto

### IMPORTANT!

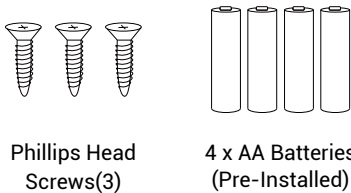
Your Valve Controller 2 connects to the internet via one of our hubs (original YoLink Hub or the SpeakerHub), and it does not connect directly to your WiFi or local network. In order for remote access to the device from the app, and for full-functionality, a hub is required. This guide assumes the YoLink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

If installing the Valve Controller 2 and motorized valve outdoors, please refer to the environmental range information in the specifications found on the Valve Controller 2 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.

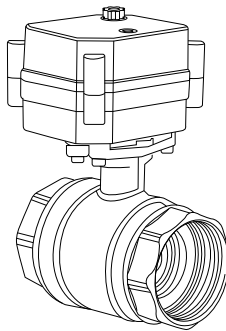
## C In the Kit



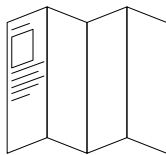
Valve Controller 2



Phillips Head Screws(3) 4 x AA Batteries (Pre-Installed)



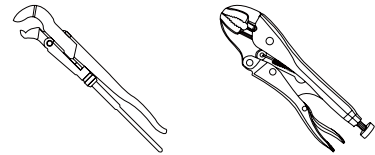
Motorized Valve



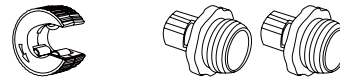
Quick Start Guide

## 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

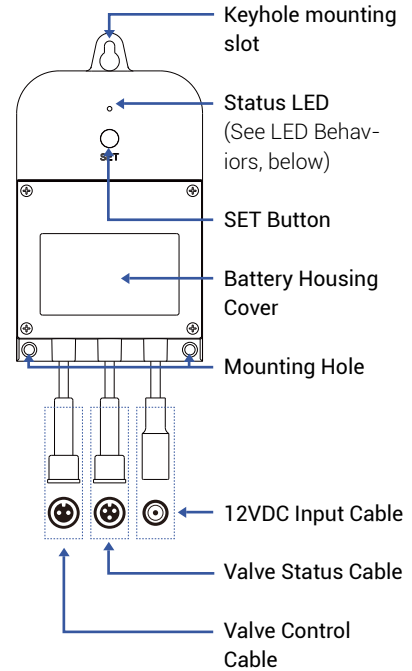


Drill with Drill Bits Wall Anchors



Medium Phillips Screwdriver Marker or Pencil

## E Get to Know Your Valve Controller 2

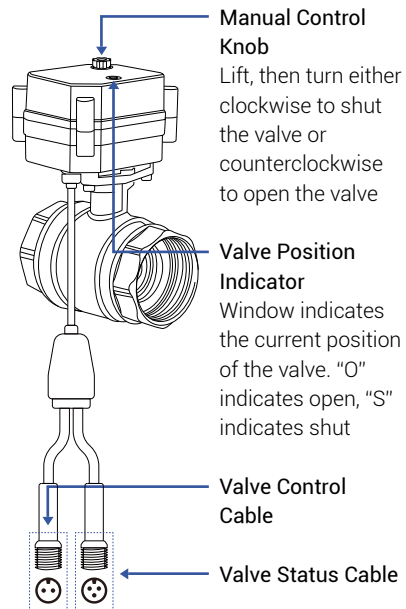


### LED Behaviors

- 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
- Blinking Green Once**  
Valve Opening
- Quick Blinking Green Twice**  
Valve is Open
- Slow Blinking Green Twice**  
Connecting to Hub
- Quick Blinking Green**  
Pairing
- Quick Blinking Red**  
Unpairing
- 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.



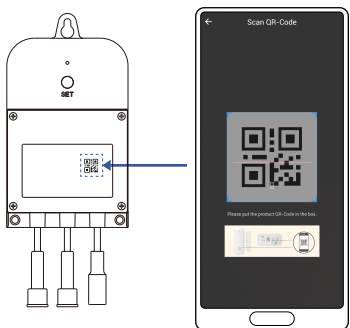
## G Add Your Valve Controller 2 to the App

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.



## H Install the Valve Controller 2

Preparing for installation:

Determine where you will install your Valve Controller 2. 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).

**Note:** Use of the 12VDC power adapter is optional, but in that case, batteries are required. If the power adapter is used, batteries are optional.

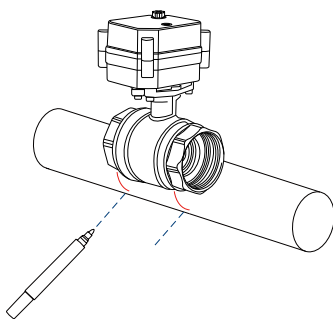
Determine how you will mount the valve controller to the wall, and have hardware and anchors appropriate for the wall surface on hand.

Mark the valve controller's three screw hole locations on the wall first, if desired, ensuring a level installation. Hang the valve controller from the top-most screw, then secure the valve controller to the wall by inserting the remaining two screws. Finally, tighten all three screws, as needed.

## I Install the Motorized Valve

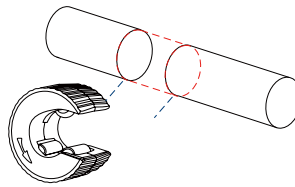
1. Shut-off the water serving the pipe where the valve is to be installed. Drain the water from the pipe, by turning on a faucet, or by other method as required.

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.



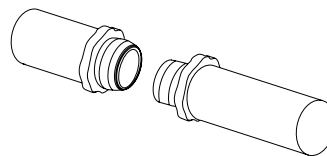
## I Install the Motorized Valve Continued

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

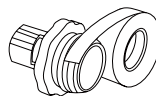


4. Sand both ends of cut pipe, removing any burrs or rough edges. Use care handling the cut edges, which may be sharp! Wipe off the cut section of pipe with a clean cloth.

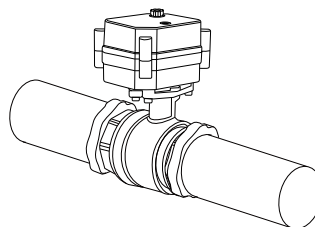
5. Install your adapter fittings in the pipe ends, per the manufacturer instructions.



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



7. Install the Smart 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. 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 2 has connected to the cloud).

2. In the app, verify the Valve Controller is indicated as online.

3. Connect the valve controller's valve control cable to the control cable of the motorized valve.

4. Connect the valve controller's valve status cable to the valve status cable of the motorized valve.

5. If using the power adapter, and before plugging in the power adapter to the AC power outlet, connect the valve controller's 12VDC input cable to the power adapter cable. Plug in the power adapter at the wall outlet.

6. Test the Valve Controller 2 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.

7. 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.

## 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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