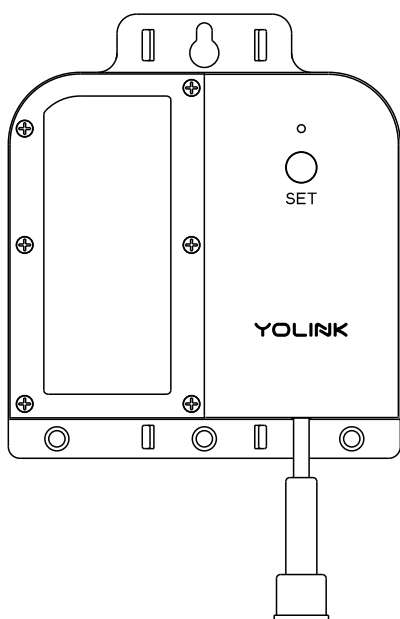


X3 Valve Controller & EVO Valve Operator

YS5001(S)-UC

KITS:

YS5004-UC



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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:

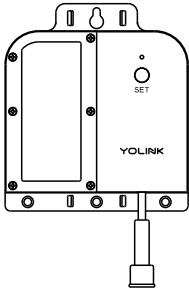


Your X3 Valve Controller wirelessly connects to the internet via a YoLink Hub or SpeakerHub, and it does not directly connect to your WiFi or local network. In order for remote access to the device .from the app, and for full-functionality, a YoLink hub is required. This guide assumes the YoLink app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

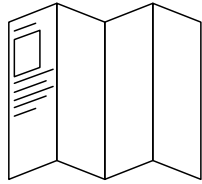


In the Box

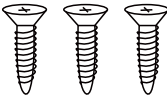
YS5001(S) Items:



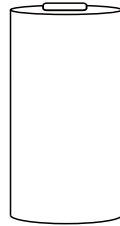
X3 Valve Controller



Quick Start Guide



Phillips Head Screws(3)

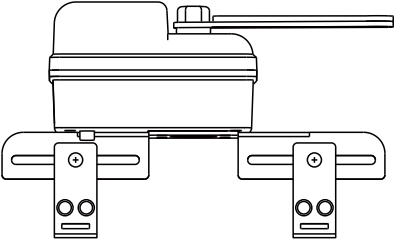


G.34615PH Battery
(Pre-Installed)

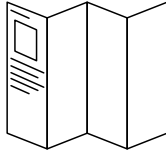


In the Box, Continued

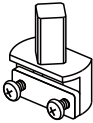
EVO Valve Operator Robot Kit Items:



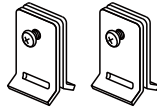
EVO Valve Operator
2 x Large Brackets (preinstalled)



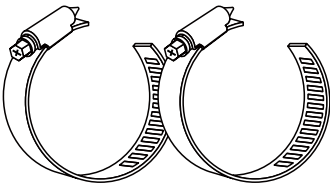
Quick Start Guide



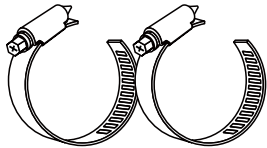
Valve Shaft Adapter



Small Bracket (2)



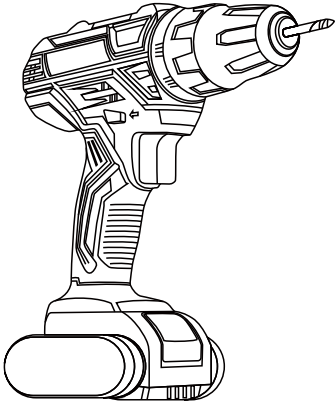
Large Stainless Steel Adjustable
Clamps (2)



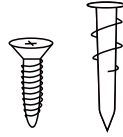
Small Stainless Steel Adjustable
Clamps (2)

D Required Items

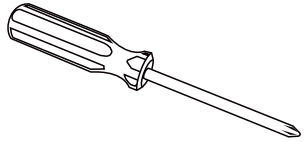
These tools or items may be required:



Drill with Drill Bits

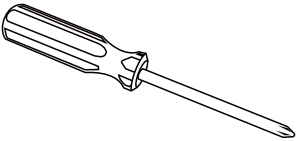


Wall Anchors

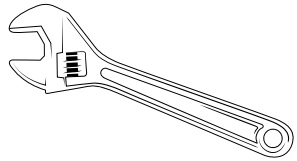


Medium Phillips Screwdriver

These items will be required to install the EVO Valve Operator:



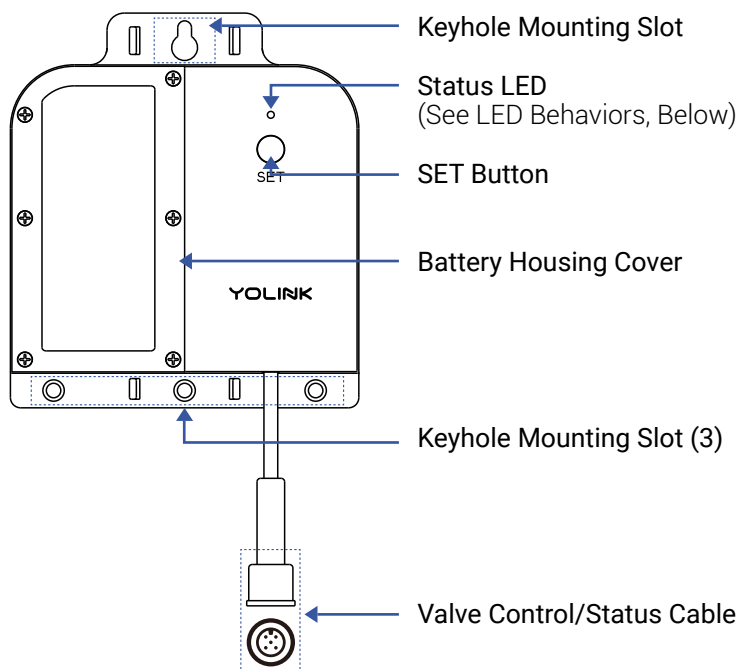
Medium Phillips Screwdriver



Wrench

E

Get to Know Your X3 Valve Controller

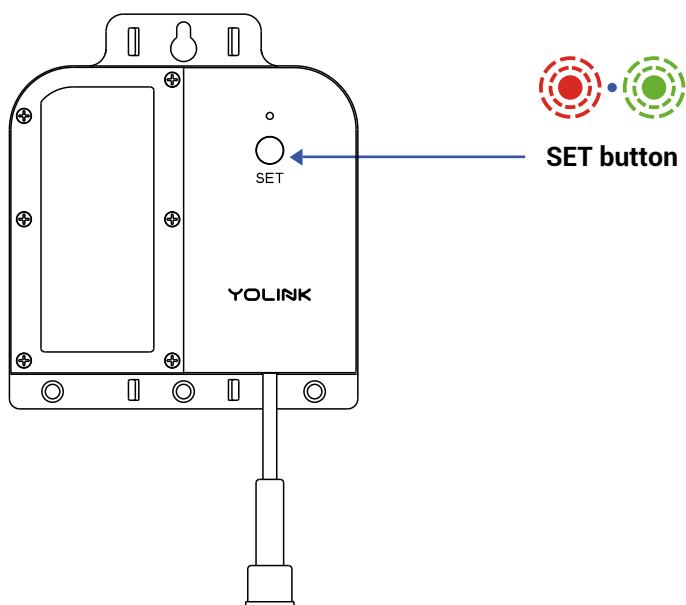


LED Behaviors

- | | |
|--|--|
| <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.

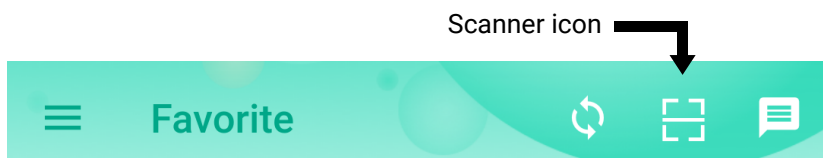
Log in to the app using your new username and password.

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.

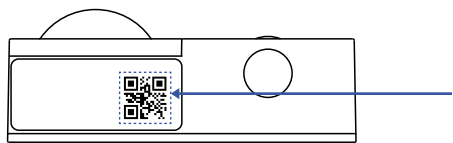


Add Your X3 Valve Controller to the App

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.



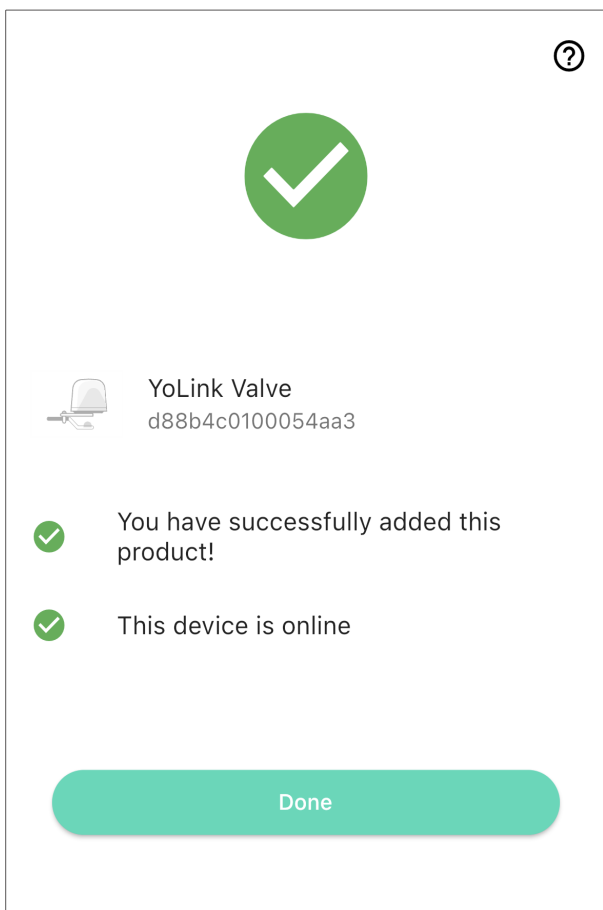
3. Hold the phone over the QR code so that the code appears in the viewfinder. If successful, the **Add Device** screen will be displayed.



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**.





Install the X3 Valve Controller

Preparing for installation:

Determine where you will mount the valve controller. The X3 Valve Controller was designed to be wall-mounted, at an indoor or outdoor location.

If installing your X3 Valve Controller and/or valve device at an outdoor location, please first refer to the environmental range specifications, found on the X3 Valve Controller product support page of our website. Also, while the X3 Valve Controller, the EVO Valve Operator 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 12VDC power supply/adaptor is optional. If you do not use the power supply/adaptor (or provide your own 12VDC power supply), the valve controller must have batteries installed. If you do connect a 12VDC power supply to your valve controller, the use of batteries is optional.



Install the X3 Valve Controller, Continued

With the use of optional extension cables, the valve controller can be installed remotely from the Valve Operator 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 X3 Valve Controller:

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.)

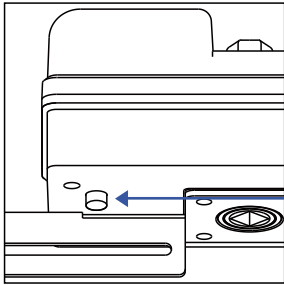


Install the X3 Valve Controller, Continued

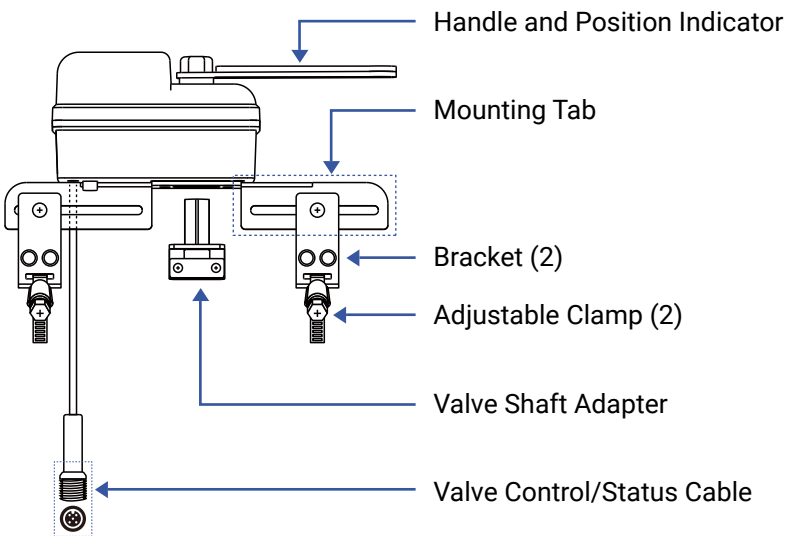
- 3.** Insert a screw in the top mounting hole location, but do not screw it flush with the wall; leave space on the end of the screw for the valve controller.
- 4.** Hang the valve controller on this screw, and it should be level on the wall. Optionally, you can verify the valve controller is level 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 EVO Valve Operator



Clutch Pin



Handle and Position Indicator

Mounting Tab

Bracket (2)

Adjustable Clamp (2)

Valve Shaft Adapter

Valve Control/Status Cable



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 EVO Valve Operator is not able to correct mechanical issues of the ball valve.

K

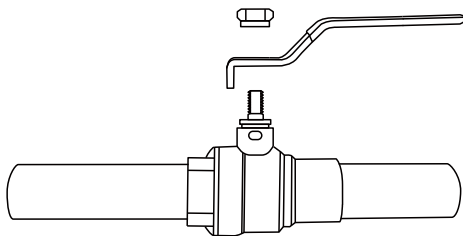
Install the EVO Valve Operator, Continued

Scan the appropriate QR code to watch a short installation video. Visit the X3 Valve Controller product support page for additional videos and product support resources.



EVO Valve Operator:

1. Before you can install the EVO Valve Operator on the ball valve, you must first remove the existing handle. Depending on the ball valve, you will need either an adjustable or socket wrench, or a screwdriver. Using the appropriate tool, remove the existing handle and nut, as shown below. If there was a washer on the ball valve, leave it in place.



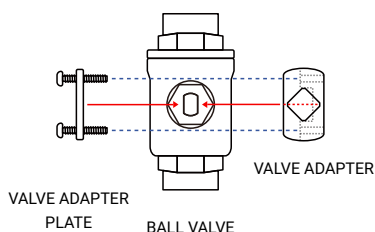


Install the EVO Valve Operator, Continued

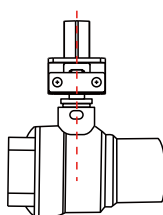


Note: Make a mental note of the orientation of the ball valve handle. If the space is confined, not allowing the rotation of the handle if in another position, the EVO should be installed with the handle in the same orientation.

2. Connect the valve shaft adapter to the shaft of the ball valve. You will first need to loosen the two screws on the adapter's plate. Fit the adapter over the ball valve's shaft. The flat part of the adapter's plate will join to one flat side of the ball valve's shaft, and the flat, inner, side of the adapter should join the other flat side of the ball valve's shaft, as shown in the figure below. (It should not be necessary to remove the plate.) Tighten the screws, thereby clamping the adapter securely to the shaft of the ball valve.



Top view, before attachment of adapter



Side view, after attachment of adapter

K

Install the EVO Valve Operator, Continued

3. The EVO is shipped with a pair of brackets, in two sizes. To check for the appropriate size, lower the EVO Valve Operator over the valve shaft adapter, as shown in Figure 1, below.

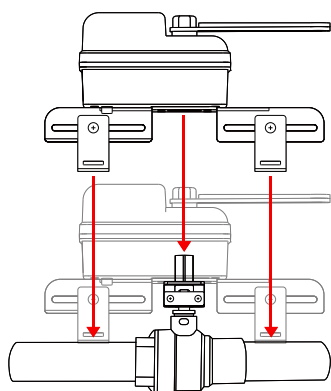


Figure 1

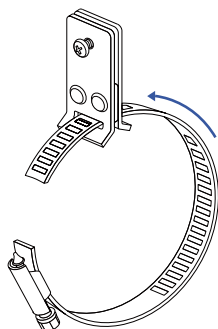


Figure 2

Rotate the EVO Valve Operator as needed, to align the square protrusion at the top of the adapter with the matching square socket at the underside of the EVO Valve Operator. If needed, swing the brackets out of the way, if they are too large and prevent the EVO Valve Operator from being seated on top of the adapter.



Install the EVO Valve Operator, Continued

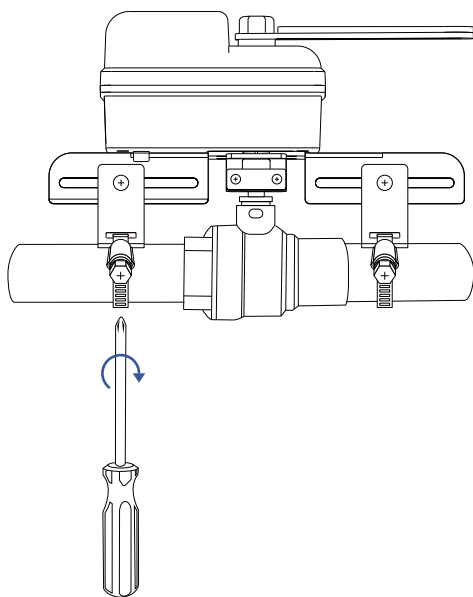
If placed correctly, the square socket of the EVO Valve Operator will fit over the top of the valve shaft adapter, locking in place. Move the brackets back in place, as shown. The brackets may be secured to the ball valve, or to the pipe. If it is not possible to have a bracket on each end of the EVO Valve Operator as shown, two brackets can be installed on the same side. In this case, space them as far apart as possible, to provide maximum stability. The brackets are too big if you can not place them over the pipe, at a right angle to the pipe, as shown.

4. The brackets provide stability for the EVO Valve operator while in operation, and they can be installed in one of numerous configurations as shown in Figure 3. Ideally, one bracket will be installed on each side of the valve, and as far apart as possible, but if your application does not permit this, both brackets can be installed on one side. Select the short or long bracket that fits best. If a bracket is too big to fit at the location, use the small bracket.

Install the EVO Valve Operator, Continued

5. Your application will require a pair of large or small adjustable clamps, to secure the brackets to the pipe (or valve). Choose the smallest appropriate size and thread the adjustable clamp through both sides of the bracket and around the pipe/valve as shown in Figure 2 above.

6. Tighten the screw on both adjustable clamps, firmly securing the EVO Valve Operator to the pipe or valve.



K

Install the EVO Valve Operator, Continued

7. Gently tug on the EVO Valve Operator, ensuring there is no looseness or movement of the EVO Valve Operator away from the ball valve.

8. Mechanically test the EVO Valve Operator prior to connection to the valve controller. To move the handle on the EVO Valve Operator, you must first depress the clutch pin (the pin is on the underside of the EVO Valve Operator). Extend the handle, as needed, and turn it to the closed position. Verify water is completely turned off, by checking from a faucet.

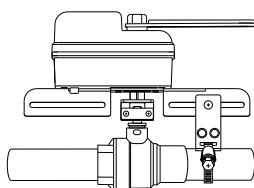
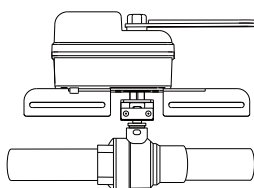
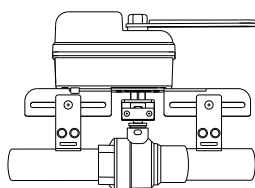
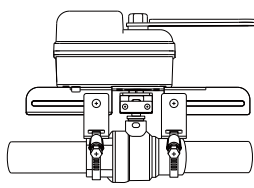
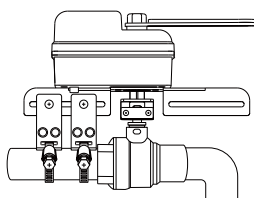
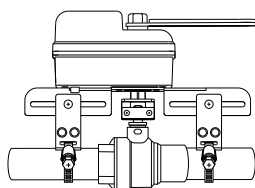


Figure 3



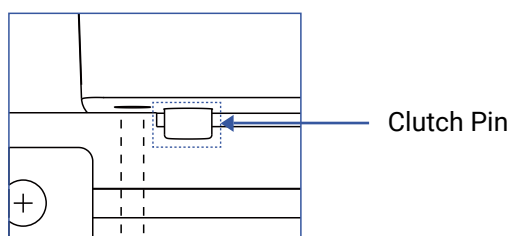
Final Connections

1. Connect the valve controller's valve & status control cable to the control cable of the EVO Valve Operator. 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 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.

M Manual Operation

It is recommended to always use the app or the valve controller SET button to operate the EVO Valve Operator. If you need to manually operate the Valve Operator without using the app, you can press the SET button on the valve controller. If you need to operate the EVO Valve Operator 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 Valve Operator may occur.

1. Test the X3 Valve Controller and EVO Valve Operator by pressing the SET button on the controller, and by watching the closing or opening action of the Valve Operator 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 Valve Operator sound increases or appears to be straining, this may indicate incorrect or suboptimal Valve Operator 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.

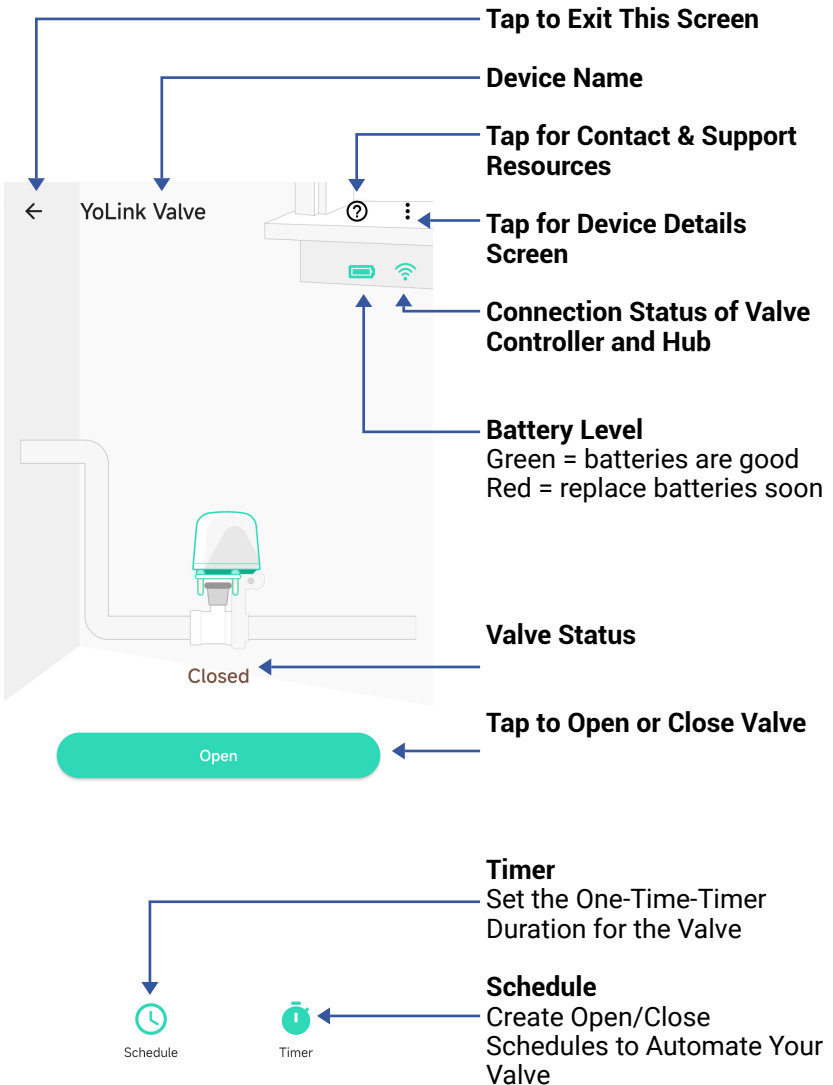
2. Test the operation of the X3 Valve Controller from the app. From the **Rooms** or **Favorite** screen, locate your X3 Valve Controller, tap the image, then tap **Close** to turn off the water, and tap **Open** to turn it on.

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.

← Details ⓘ

Type	YoLink Valve	Device Type
Name	YoLink Valve >	Device Name (Tap to Edit)
Room	Not Set >	Room (Tap to Edit)
Favorite	Will show in favorite screen	Favorite (Red if Favorite, Tap to Edit)
History	Get device logs >	History Tap to view device history
Open Reminder	Alert after left open Disabled >	Open Reminder Tap to Disable or Enable Open Reminder
State	Closed	State
Time	1/13 06:22:48 (GMT+0) Sync With Mobile >	Time Tap to sync with mobile
Other		
Model	YS5003-UC	Model Number
Device EUI	d88b4c010006ade5	Device EUI Unique Identifier Number
SN	6526D359CB  >	Device Serial Number
Signal Intensity	Strong (~8 dBm) >	Signal Intensity (From YoLink Hub)
Battery		Battery
Firmware	0305	Firmware Revision (Refer to page 36)
Delete		Remove Device from Current Account Tap to delete the device from your YoLink account



App Functions: Schedule

The screenshot shows the 'Valve' app interface. At the top, there is a green header bar with a back arrow on the left and a plus sign on the right. Below the header, there are two scheduling entries. The first entry shows a time '18:53:34' with 'Turn On' and a toggle switch. Below the time are seven buttons for days of the week: Sun, Mon, Tue, Wed, Thu, Fri, Sat. The second entry shows two times '19:02:45' and '19:02:48' with 'Turn On' and 'Turn Off' respectively, and a toggle switch. Below these are the same seven day buttons. At the bottom, there is a third entry with a toggle switch and two buttons: 'Edit' (grey) and 'Delete' (red). Annotations with arrows point to the plus sign, the first entry's toggle, the first entry's day buttons, and the 'Edit'/'Delete' buttons.

Tap to add a schedule

Tap to edit the schedule

Tap to enable or disable a schedule

Swipe left to show Edit and Delete options



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: 'Name' (Always >), 'Related Devices' (1 >), 'Enable Device Alarm' (toggle on), 'Do Not Disturb' (toggle off), 'Send App Notification' (Admin >), 'Notification Settings' (Will send App Notification to the administrator of this home when device alerts), 'Send Email' (None >), 'Send SMS' (None >), and 'Trigger Action' (None >). A green 'Save' button is at the bottom. Blue arrows point from text boxes on the right to specific settings: 'Send App Notification' points to the 'Send App Notification' section, 'Notification Settings (iOS only)' points to the 'Notification Settings' section, 'Send Email' points to the 'Send Email' section, 'Send SMS' points to the 'Send SMS' section, and 'Trigger Action' points to the 'Trigger Action' section.

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, 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.

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' icon. 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: 'Tap to save the settings' points to the checkmark icon; 'Edit the name of the automation' points to the 'Name' field; 'Tap to set a condition for the automation' points to the 'When' section; 'Add behavior' points to the plus icon; 'Tap to add a behavior' points to the plus icon; 'Delete the behavior' points to the trash icon; 'Tap to sort behaviors' points to the sort icon; 'Always Working' points to the 'Always Working' option; and 'Advanced Settings' points to the 'Advanced Settings' section.

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

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.



Troubleshooting

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 EVO Valve Operator 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

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.

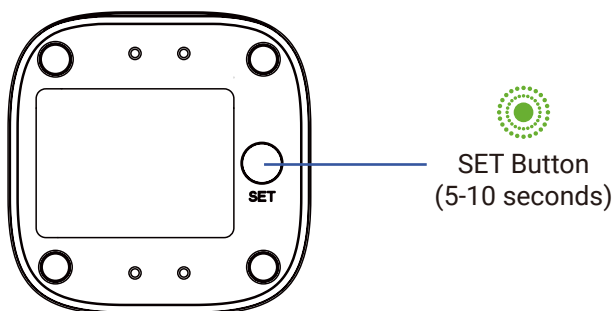
Pairing is separate from the app and any automation, scenes or alarm strategies you may have configured in the app. Use care to not create automations that conflict with Control-D2D-pairing and vice-versa.

During 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

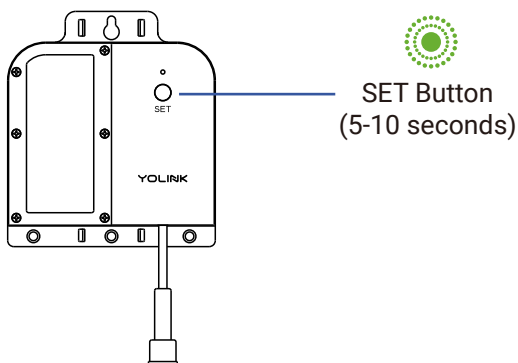
Pairing

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 X3 Valve Controller 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 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.

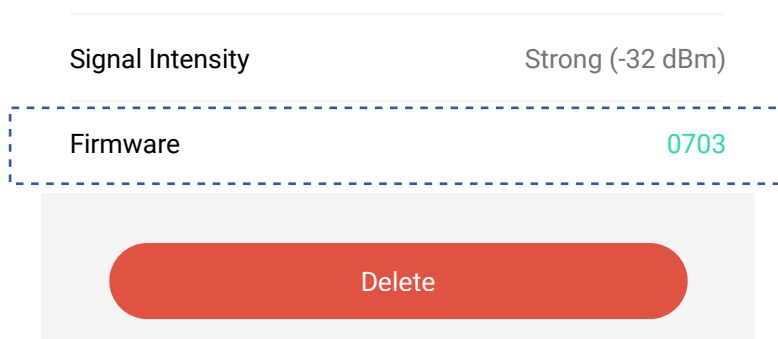


Only deleting a device from the app will remove it from your account. Factory reset will not delete the device from the app.

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"



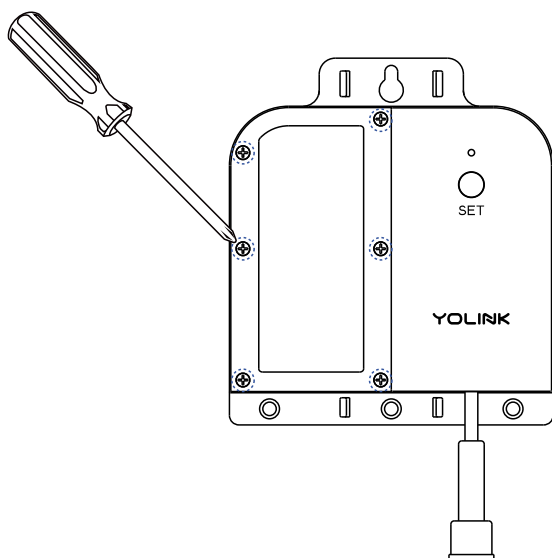
Tap in this area to start the update.

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.

Y Battery Replacement

The preinstalled battery in your Water Depth Sensor 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.

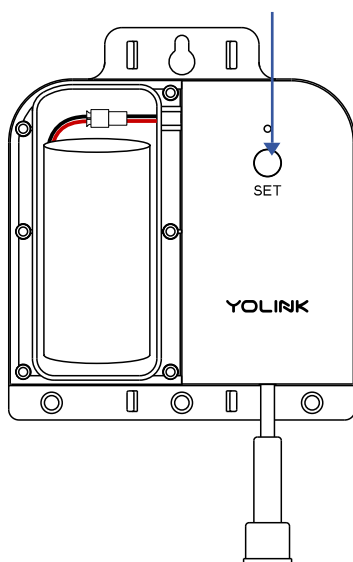
4. Disconnect the battery assembly cable and remove the old battery.

Y Battery Replacement, Continued

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.

Z Warnings

- Please install, operate and maintain the X3 Valve Controller (and Motorized Valve or EVO Valve Operator 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.

Z 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 EVO Valve Operator 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



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