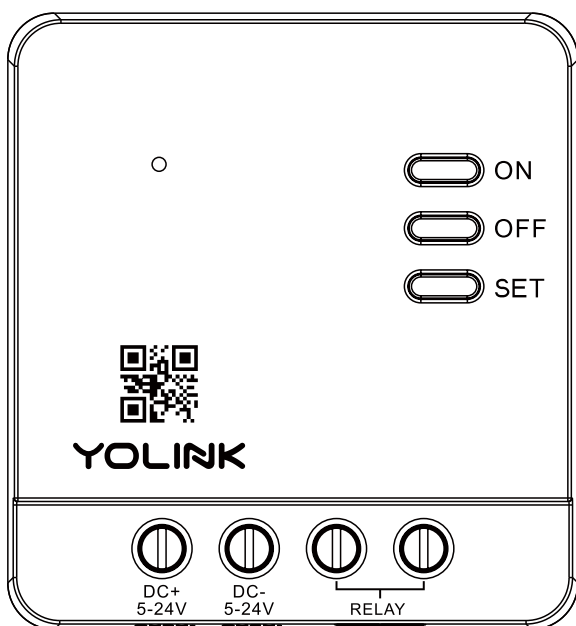




YoLink Relay

YS5706-UC



Installation & User Guide

Revision Jun. 02, 2026

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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 YoLink Relay support page on our website, for the latest installation guides, additional resources, information and videos by visiting:

<https://www.yosmart.com/support/YS5706-UC>

Or by scanning the QR code:



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



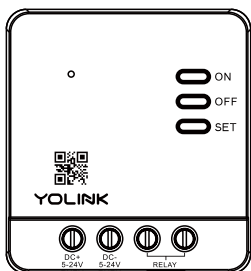
B Before You Begin, Continued



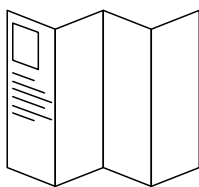
Your YoLink Relay connects to the internet via a YoLink hub, and it does **not** connect directly to your WiFi or local network. In order for remote access to the device from the app, and for full functionality, a hub is required.

This guide assumes the YoLink app has been installed on your smartphone, and a YoLink hub is installed and online (or your location, apartment, condo, etcetera, is already served by a YoLink wireless network).

C In the Box



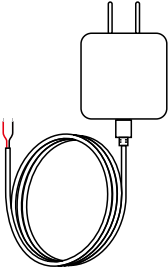
YoLink Relay



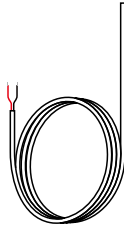
Quick Start Guide

D Required Items

Required Items:

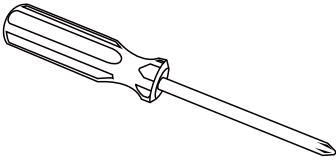


DC5-24V Power Supply with
Wiring Ready

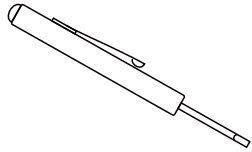


Existing or New Home
Appliances or Device with Wiring
Ready

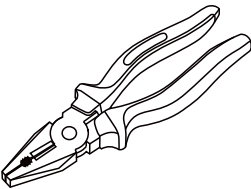
Tools you will need:



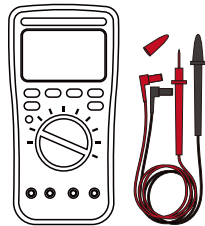
Medium Phillips Screwdriver



Small Slotted Screwdriver



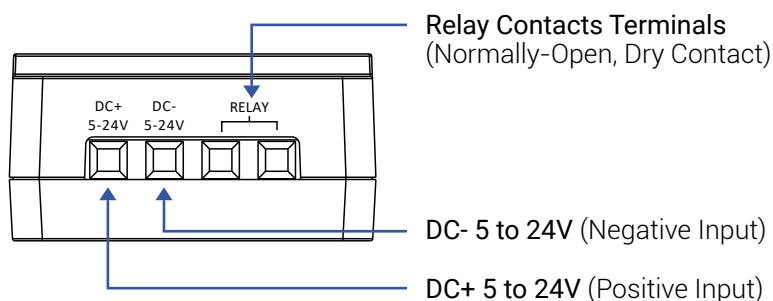
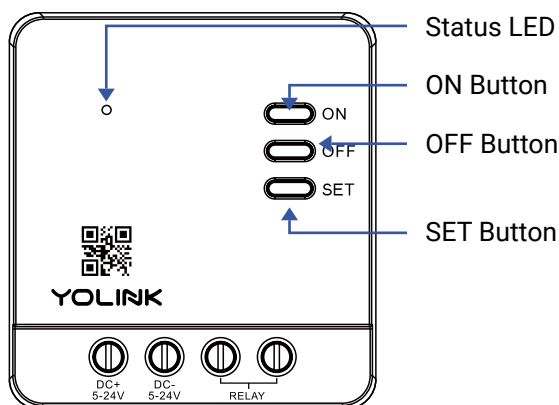
Wire Strippers or Cutters



Multimeter

E

Get to Know Your Smart YoLink Relay



LED Behaviors

 **Blinking Red Once, then Green Once**
Connected to the Power

 **Blinking Red And Green Alternately**
Restoring to Factory Defaults

 **Green**
Relay is On

 **Red**
Relay is Off

 **Blinking Green**
Connecting to Cloud

 **Quick Blinking Green**
Control-D2D Pairing inProgress

 **Slow Blinking Green**
Updating

 **Quick Blinking Red**
Control-D2D Unpairing in Progress



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.

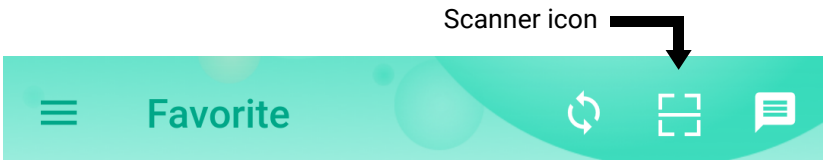
Log in to the app using your new username and password.

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.

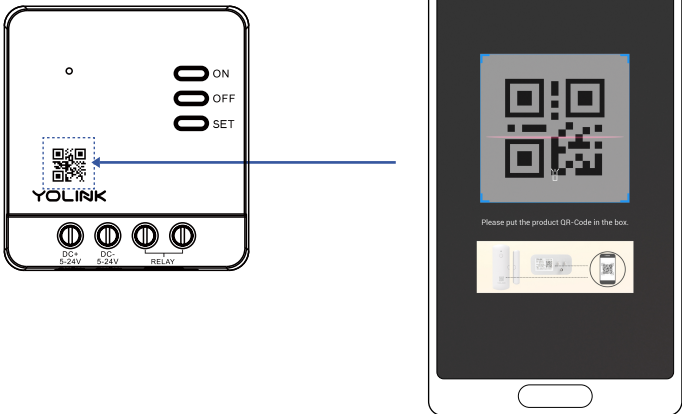


Add Your Relay to the App

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.



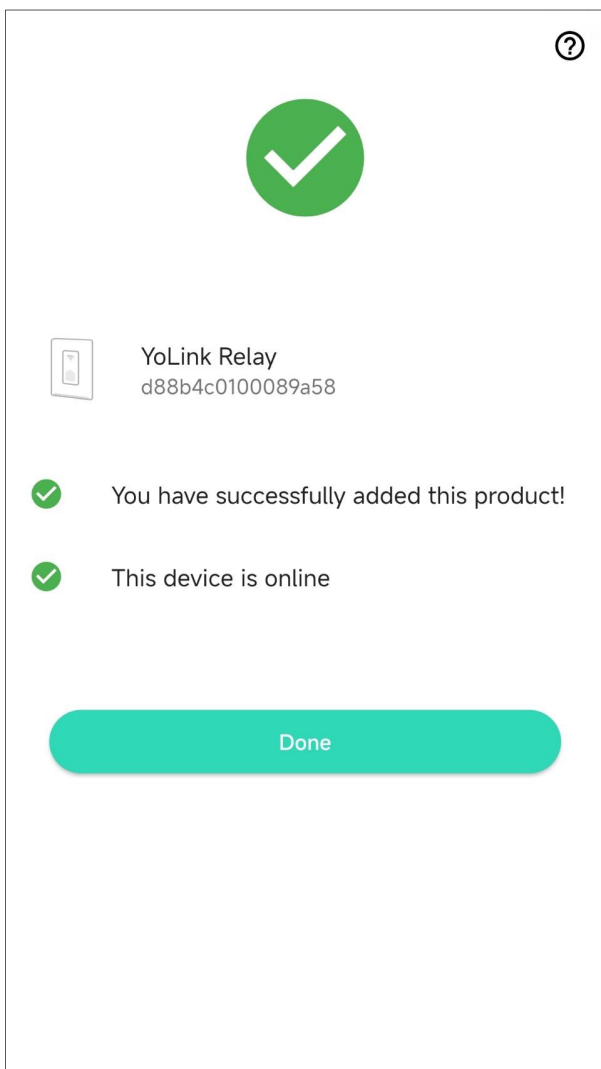
3. Hold the phone over the QR code so that the code appears in the viewfinder. If successful, the **Add Device** screen will be displayed.



Add Your Relay to the App, Continued

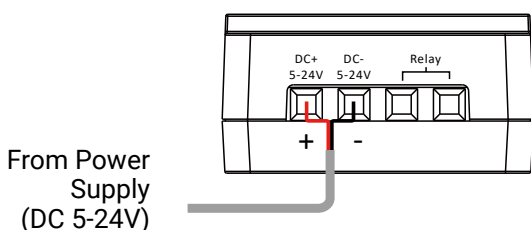
4. You can change the device name and assign it to a room later. Tap **Bind device**.

5. If successful, the screen will appear as shown. Tap **Done**.



H Installation

1. Loosen the four terminals on the YoLink Relay using a small slotted screwdriver.
2. Connect the positive (white or red, typically) wire on the power supply to the "DC+ 5-24V" terminal; connect the negative (black, typically) wire on the power supply to the "DC-5-24V" terminal.



3. Terminate the wire on the equipment or device to the Relay terminals.
4. Tighten the terminals.
5. Gently tug on the wires, to confirm a good electrical connection.



Installation, Continued



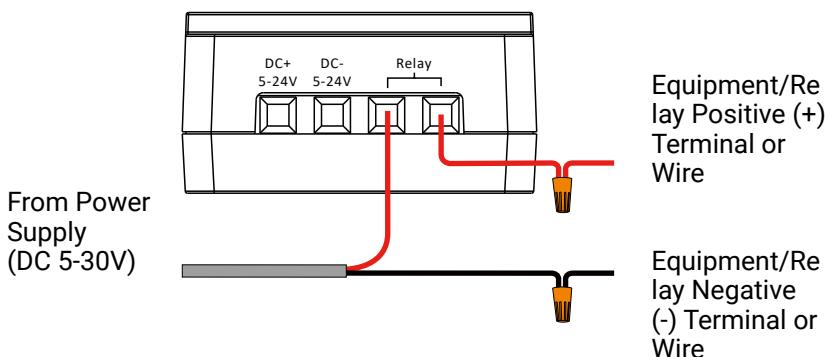
The relay contacts are not equipped with overcurrent protection, and an overcurrent condition may destroy the device. The contacts are rated for 5 amps at 120VAC or at 30VDC. If this is at risk of being overloaded, install an inline fuse in series with the controlled equipment (fuse sized or rated accordingly, customer-furnished; not included). Or only use the Relay for controlling a dumb relay (with relay contacts rated for any current load it may carry, customer-furnished; not included), would be recommended.



Installation, Continued

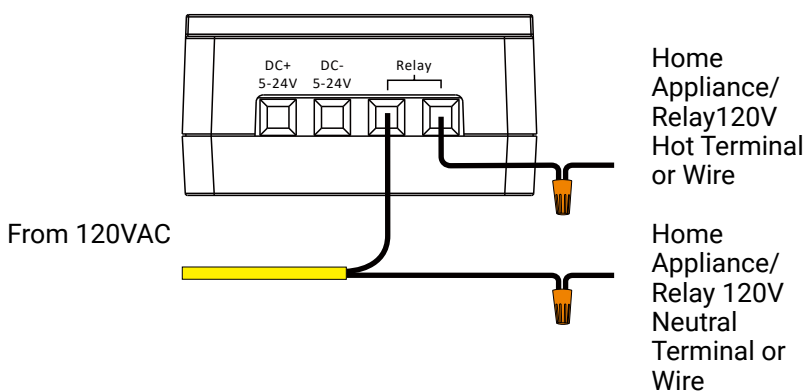
See the following example diagrams:

Relay Terminals Example Diagrams (a)



Low Voltage Device/Equipment
(Low Voltage Relay) Diagram

Relay Terminals Example Diagrams (b)



120V Appliance/Equipment
(or 120V Relay) Diagram



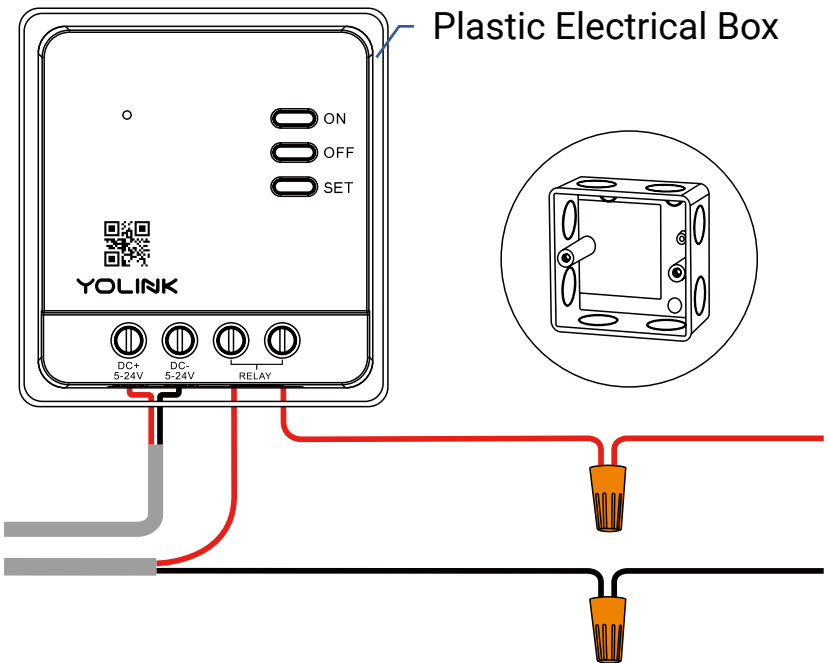
Installation Methods



Please refer to the device environment operating scope information. Use of this equipment outside the recommended range is at your own risk.

Method A:

Place in an electrical box (plastic recommended).
Plastic Electrical Box





Installation Methods, Continued

1. Electrical codes at your location may require the relay and its connections to be inside a suitable electrical junction box (also known as a "rough-in" box). Please install the relay as required to be safe and code-compliant.
2. Your Relay is an RF wireless device that ideally is not installed on or near metal. If the Relay is intended for installation in a metal box, please first test the location by placing the Relay in the box and installing the cover. On the app, verify the device is online, and on the device detail screen the signal level is not indicated as "Weak". The signal level may be improved by utilizing a plastic cover on a metal box. Otherwise, a plastic box will be required to ensure reliable operation.

Method B:

Wall-mounting the relay with double-sided mounting tape (not included).



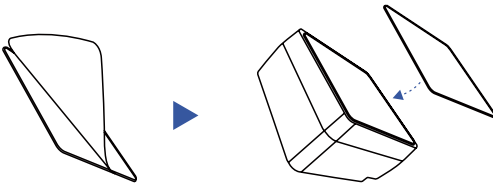
Before installing the relay, place it in the appropriate position. Ensure the wires connected to the terminals on the Yolink Relay are connected securely.

I Installation Methods, Continued

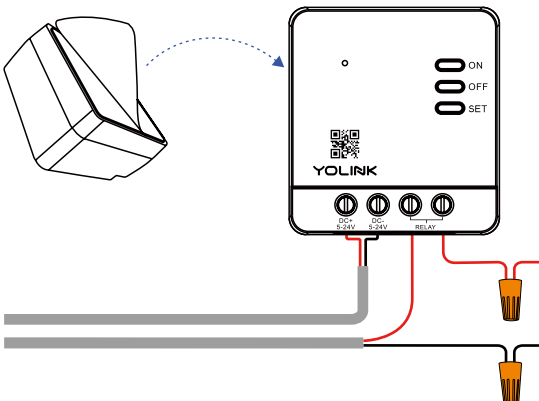
1. Clean the installation area.



2. Remove one side of the protective layer from the double-sided tape, stick the double-sided tape on the back of the relay.



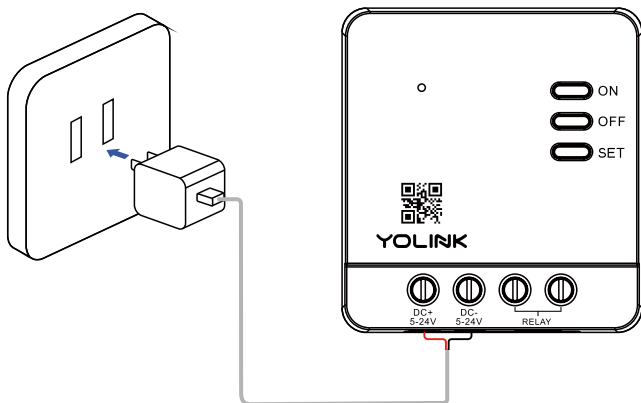
3. Remove the other side of the protective layer from the double-sided tape on the back of the relay, place the relay in the desired position, and press firmly for at least 5 seconds.



J

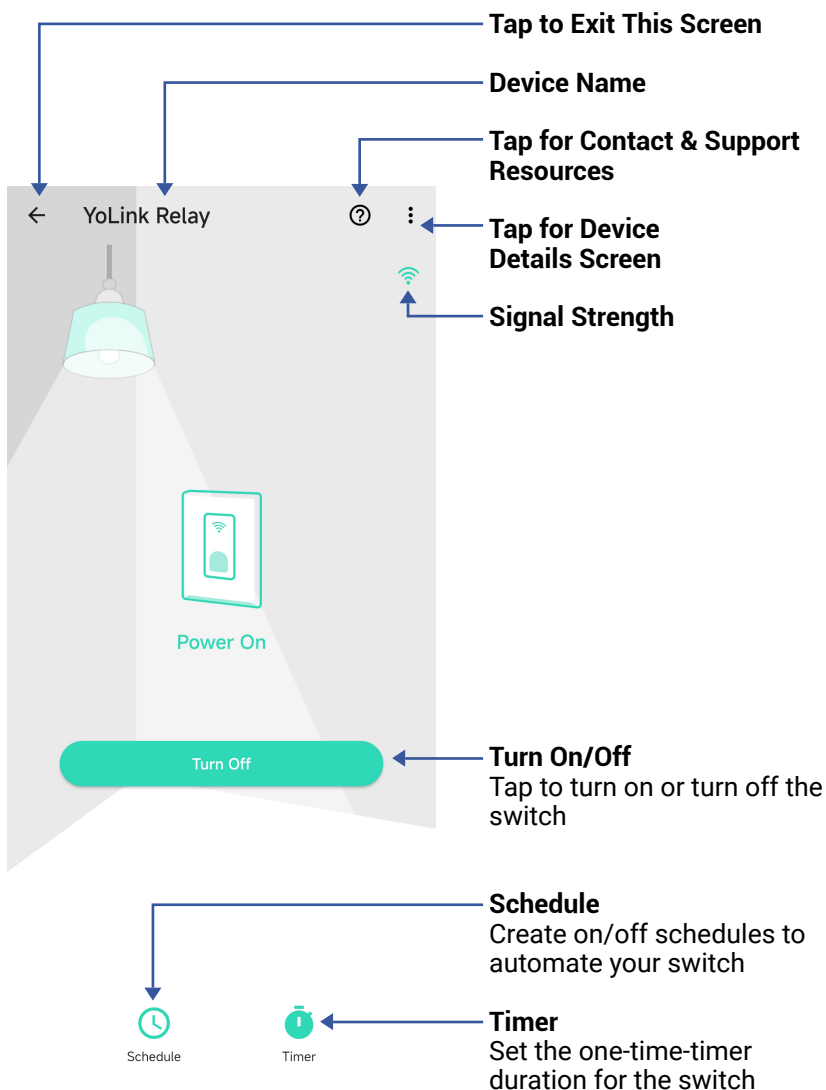
Test the Relay

1. Turn on circuit(s) at the controlled equipment after installation.
2. Power on the YoLink Relay.



3. Using the YoLink app, test the operation of the Relay (turn it on, then off, etc.). If it is not working properly, double-check or re-do steps on part H, as needed.

In the app, tap on your YoLink Relay icon. Your YoLink Relay 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 YoLink Relay **Details** screen. Your YoLink Relay screen should be similar to the one shown below.

← Details ?

TypeYoLink Relay

NameYoLink Relay >

RoomNot Set >

FavoriteWill show in favorite screen

HistoryGet device logs

StateOn

Output ModePulse Mode ▾

Pulse Duration0.0 sec >

Time1/18 03:52:04 (GMT-7)Sync With Mobile >

Other

Power On StatusLast State ▾

ModelYS5706-UC

Device EUID88b4c0100089a58

Device Type

Device Name
(Tap to Edit)

Room
(Tap to Edit)

Favorite
(Red if Favorite, Tap to Edit)

History
Tap to view device history

State

Output Mode
Tap to choose the relay
output mode, Normal Mode
or Pulse Mode

Pulse Duration
If choose pulse mode, tap to
input the pulse duration

Time
Tap to sync with mobile



App Functions: Device Details Screen, Continued

←

Details

?

History

Get device logs

>

State

On

Output Mode

Pulse Mode

▼

Pulse Duration

0.0 sec

>

Time

1/18 03:52:05 (GMT+0)

Sync With Mobile >

Other

Power On Status

Last State

▼

Model

YS5706-UC

Device EUI

d88b4c0100089a58

SN

6626AE8F00



>

Signal Intensity

Strong (6 dBm)

>

Firmware

0609

Delete

Power On Status

Power on status after firmware update or power loss, choose Last State, On or Off. Default is set to Last State

Model Number

Device EUI

Unique Identifier Number

Device Serial Number

Signal Intensity

(From YoLink Hub)

Firmware Revision

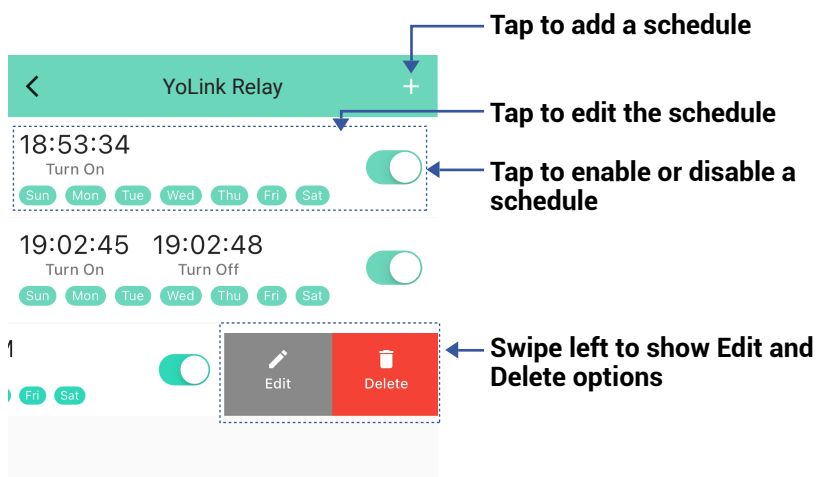
(Refer to page 28)

Remove Device From Current Account

Tap to delete the device from your YoLink account



App Functions: Schedule



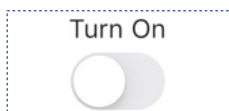
You can have a maximum 6 schedules at one time.

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 relay

Slide to enable/disable



Set the duration

When enabled, the relay will turn on after this timer duration has elapsed



Turn Off After relay

Slide to enable/disable



Set the duration

When enabled, the relay will turn off 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: Smart - Scene

Tap to view the scene history

Tap to save the settings

Name
Tap to edit the scene name

Icon
Tap to select a scene icon

Favorite
Tap to make it a favorite scene

Assign the scene to a scene group

Delete the behavior

Add behavior
Tap to add a behavior

Tap to sort behaviors



The Scene settings are saved in the cloud.

If you have two or more alternating scenes, such as "Armed" and "Disarmed" or "Day Mode" and "Night Mode", you can place them into a custom scene Group. As only one scene in a Group can be active, when you activate the Night Mode scene, the Day Mode scene will be indicated as inactive. This is only a visual indicator; in this example, any specific required actions for the Day Mode (such as device actions, etc.) must be accomplished by separate automation settings.



App Functions: Smart - Automation

The YoLink Relay can be set up as a condition or action in automation.

The screenshot shows the 'Automation' settings screen. At the top is a teal header with a back arrow, the title 'Automation', and a checkmark icon. Below the header, the 'Name' is 'switch' and the status is '6/64'. The 'When' section shows a clock icon and the schedule 'When 12:00 AM Every Tue,Wed,Thu'. The 'Then' section has a 'Behavior' list with a 'YoLink Relay Turn ON' entry. The 'Working Time' section is set to 'Always Working'. At the bottom is an 'Advanced Settings' section. Annotations with arrows point to various elements: 'Tap to save the settings' points to the checkmark; 'Edit the name of the automation' points to the 'Name' field; 'Tap to set a schedule for the automation' points to the 'When' section; 'Add 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 'Working Time' section; and 'Advanced Settings' points to the 'Advanced Settings' section.

Automation

Name
switch

6/64

When

When 12:00 AM
Every Tue,Wed,Thu

Then

Behavior

YoLink Relay
Turn ON

Working Time

Always Working

Advanced Settings

Tap to save the settings

Edit the name of the automation

Tap to set a schedule 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.

Q Control-D2D

YoLink Control-D2D (device-to-device) pairing is a feature unique to YoLink products. One device can be paired to one (or more) devices. When two or more devices are paired, a link is created, “locking-in” the behavior, so that the device(s) will carry out their paired behavior when required, regardless of a connection to the internet or cloud, and even without AC power (in the case of battery-powered or battery backed-up devices). For example, a Door Sensor can be paired to a Siren Alarm, so that when the door is opened, the siren is activated.

Several important points:

- The use of Control-D2D is entirely optional. It is more common to use the app’s automation and scene settings to create desired behaviors, such as motion sensors turning on the lights automatically. Your application may require functionality during the loss of internet/WiFi, in which case Control-D2D pairing may be preferred.
- A device that controls another device is referred to as a Controller. The device that is controlled is referred to as a Responder.

Q Control-D2D, Continued

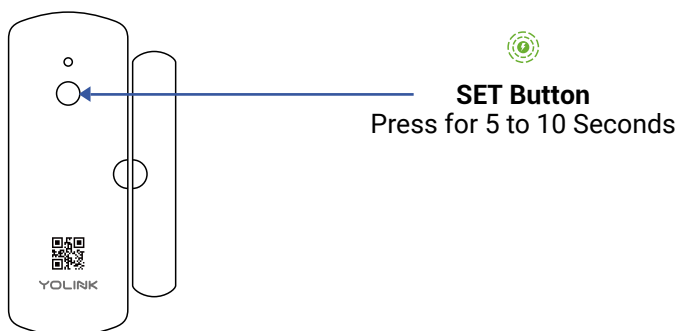
- While online, any paired behaviors as well as automation and scene settings (desired relay behaviors set in advance by you, such as the motion sensor/relay example) will both be carried out. Paired behaviors and app settings can coexist, but use care to not create conflicting actions between the two, as the device may not operate as desired.
- A device can have up to 128 pairings.
- During D2D pairing, both the controller and the responder must be in the correct operational state corresponding to their intended behavior. For example, if the controller (door sensor) is meant to turn on a plug when the door opens, the door sensor should be in the open state and the plug should be on during pairing.

The following instructions use pairing your Door Sensor with a YoLink Relay as an example, when door is open, turn on the relay.



Control-D2D, Continued

1. To configure your Door Sensor as a controller, open the door, press and hold the SET button for 5-10 seconds until the LED quickly blinks green, then, release the button.



2. To configure a YoLink Relay as the responder, turn on the relay by pressing the ON button or via YoLink app. Press and hold the SET button for 5-10 seconds until the LED quickly blinks green, then, release the button.

3. Upon pairing, the LED will stop blinking (this may happen after only blinking two or three times).

When the door sensor is opened, the relay will turn on. The relay will remain on status until turned off via the app or press the OFF button.

Unpair your YoLink Relay:

1. On the Door Sensor, press the hold the SET button for 10 to 15 seconds, until the LED quickly blinks red, then release the button.



Control-D2D, Continued

2. On the Relay, press and hold the SET button for 10 to 15 seconds, until the LED quickly blinks red, then release the button.



The LED will flash green prior to the 10 second mark, going into pairing mode, but keep pressing until the LED flashes red. The Controller's pairing is now removed. This door sensor will no longer control the relay.



Using the App & 3rd-Party Services

The YoLink Relay works with several voice assistants, including Alexa and Google, and it works with other automation platforms such as IFTTT and Home Assistant.

To set up 3rd-party integrations (Alexa, Google and IFTTT), in the app, go to Settings, Third-Party Services, and follow the instructions.

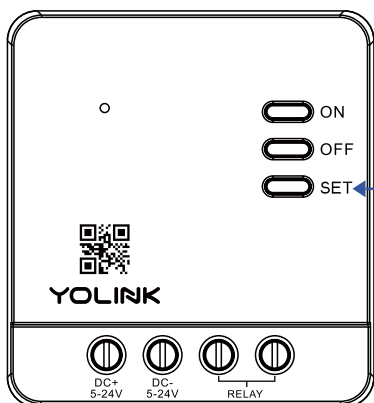
Refer to the Home Assistant website and the YoLink integration page for instructions.

<https://www.home-assistant.io/integrations/yolink/>

S Factory Reset

When directed by customer support, and/or as an attempt to resolve a problem with your YoLink Relay, it may be necessary to perform a factory reset. Factory resetting your sensor returns it to the factory default programming and settings. This is a simple process:

- Hold the SET Button for 20 to 30 seconds, until the LED blinks red and green alternately, then release the button.



SET Button
Press for 20 to 30 Seconds

Factory reset is complete when the LED stops flashing.



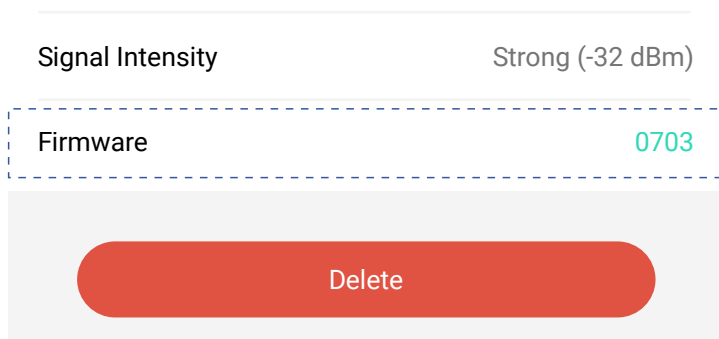
Only deleting a device from the app will remove it from your account



Firmware Updates

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.

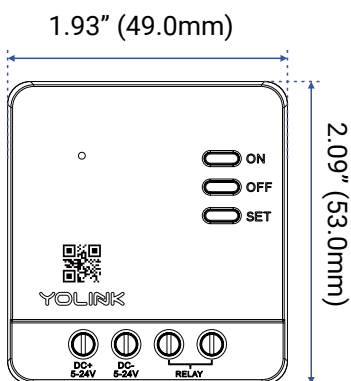


Specifications

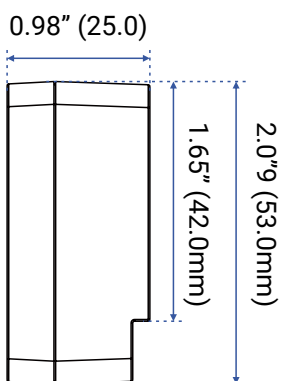
Input Voltage:	5-24V DC
Input Current:	$\geq 300\text{mA}$
Device Current Draw:	$\leq 60\text{mA}$ (on), $\leq 25\text{mA}$ (standby)
Switched Current:	5A@120VAC/@30VDC (Maximum)
Dimensions, Imperial (L x W x D):	2.09 x 1.93 x 0.98 inches
Dimensions, Metric (L x W x D):	53 x 49 x 25 mm
Environment:	Temperature: -4°F-122°F (-20°C-50°C) Humidity: 5-85% non-condensing



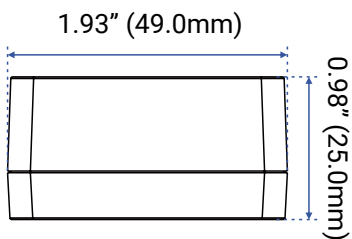
Specifications, Continued



FRONT



SIDE



TOP

Malfunction:

Device is offline :

Possible solution

- If relay is not connected to the cloud, press the SET button on relay once
- If Hub is offline, reconnect the Hub to the Internet and press the SET button on relay once
- If Hub is not on, power on the Hub again and press the SET button on relay once
- If relay is out of range with Hub, relocating the Hub may be required
- If relay is not turned on, turn on the device

Timer does not run :

Possible solution

- Power outages (before or during) can prevent the timer from executing. Press the SET button once to turn on/off the relay, also you can turn on/off the relay via YoLink app or set a new timer.

If this does not resolve the issue, please contact our customer support department (see the contact info on the last page of this guide).



We recommend checking for and performing any available firmware updates before contacting customer support.

Warnings

- Please install, operate and maintain the Relay only as outlined in this manual. Improper use may damage the unit and/or void the warranty
 - Do not overload the device. Please refer to the Maximum Load section in Specifications on page 29
 - Do not install or use this device outside of the temperature and humidity range listed in the Environmental section in Specifications on page 29
 - Do not install or use this device where it will be subjected to high temperatures and/or open flame
 - This device is not waterproof and is designed and intended only for indoor use. Subjecting this device to outdoor environment conditions such as direct sunlight, extreme hot or cold temperatures, rain, water and/or condensation can damage the device and will void the warranty
- Install or use this device only in clean
- environments. Dusty or dirty environments may prevent the proper operation of this device, and will void the warranty

Warnings, Continued

- If your Relay does get dirty, please clean it by wiping it down with a clean, dry cloth. Do not use strong chemicals or detergents, which may discolor or damage the exterior and/or damage the electronics, voiding the warranty

Do not install or use this device where it will

- be subjected to physical impacts and/or strong vibration. Physical damage is not covered by the warranty

Please contact Customer Service before

- attempting to repair disassemble or modify the device, any of which can void the warranty and permanently damage the device

1 Year Limited Electrical Warranty

YoSmart Inc. warrants to the original user (“customer”) of this product that it will be free from defects in materials and workmanship, under normal use, for 1 year from the date of purchase. This warranty does not apply to devices that have been improperly installed, modified, put to a use other than designed, or subjected to acts of God (such as floods, lightning, earthquakes, etc.). This warranty does not cover neglected or abused products. This warranty is limited to the repair or replacement of the device, only, at YoSmart's sole discretion. YoSmart will NOT be liable for the cost of installing, removing, nor reinstalling this product, nor direct, indirect, or consequential damages to persons or property resulting from the use of this product. This warranty only covers the cost of replacement parts or replacement units, it does not cover shipping & handling fees. The customer must provide proof of purchase, in the form of the original purchase invoice or order number. The purchase must have been made from an authorized seller.

To implement this warranty please contact us by one of the methods listed on the Contact Us page of this user 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.



FCC Statement, Continued

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

PRODUCT NAME:
YOLINK RELAY

PARTY:
YOSMART, INC.

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YS5706-UC

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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