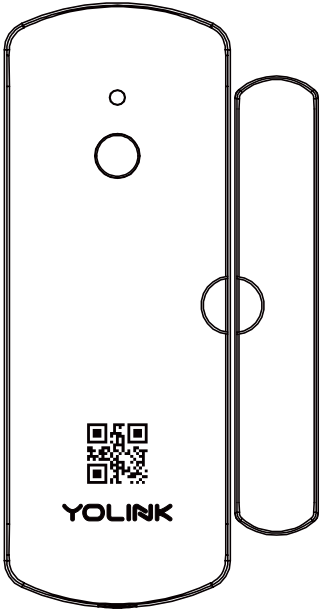


YOLINK

Door Sensor

YS7704-UC, YS7704-EC

Installation & User Guide

Rev 1.0

Thank you for purchasing YoLink products and for entrusting us with your smart home needs! Your 100% satisfaction is our goal. If you experience any problems with setting up your new YoLink Door Sensor, please give us a chance to assist you, before returning your purchase.

We at Customer Support are here for you.If you need any assistance installing, setting up or using a YoLink product or our app.

Find additional support and ways to reach us at:

www.yosmart.com/support-and-service

Or scan this QR code with your smartphone

Email us, 24/7 at:

service@yosmart.com

Call us, 9AM to 5PM Pacific Standard Time at:

(949) 825-5958

You may chat with us on Facebook (non-urgent matters):

www.facebook.com/YoLinkbyYoSmart

Sincerely,

Queenie, Clair, James, Eric

Customer Support Team

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Revised: 05/06/2021

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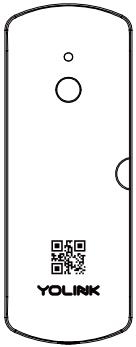
A. In the Box

A. Door Sensor

B. Magnet

C. Quick Start Guide

A.



B.



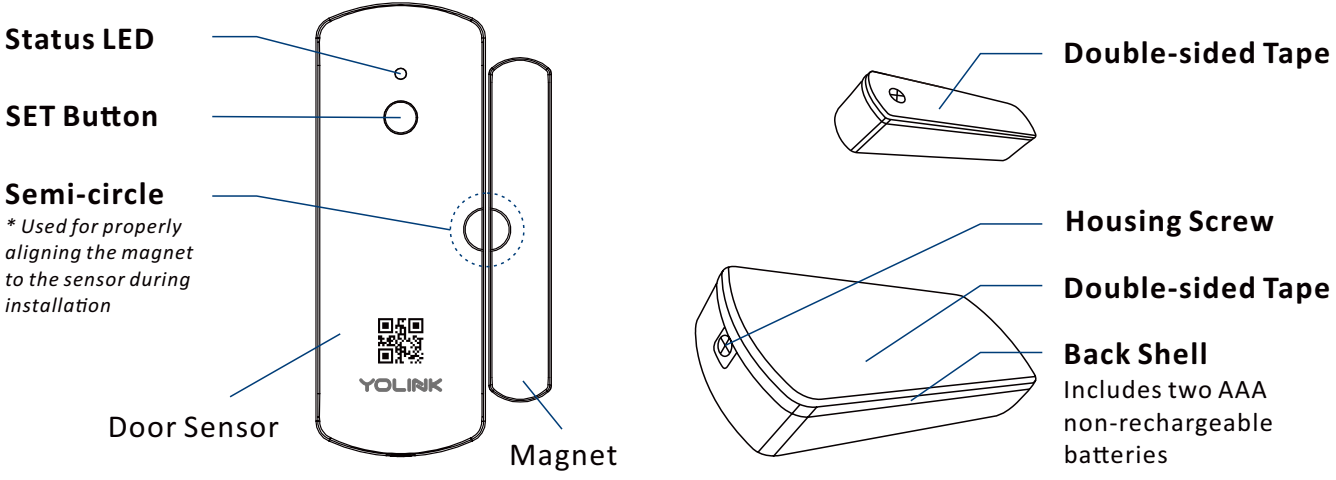
C.



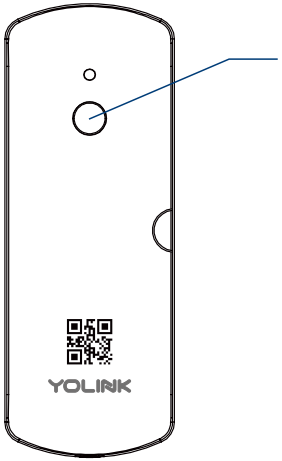
B. Introduction

YoLink Door Sensor can monitor the opened or closed status of your door or window* by detecting the change in position of the magnet in relation to the position of the sensor. Actions of other devices can be triggered by the opened or closed status of the door/window, may include turning on a light, activating a siren and/or sending a notification via the YoLink app. Additionally, alerts can be sent for doors/windows left open too long (see Device Alerts on page 11). (Available notification types are: email, text/SMS and banner notifications on your Apple or Android smartphone, each configurable in app settings.)

* Additional applications for the Door Sensor include: swing-type doors, sliding doors, windows, drawers, cabinet doors, refrigerator and freezer doors, storage boxes, safes, tool boxes, chests, and gun safes/cabinets. For garage doors, consider one of our garage door kits



The LED light indicates the current status of the sensor:



Blinking Red Once, then Green Once
Device turned on

Blinking Red And Green Alternately
Restoring to Factory Defaults

Blinking Green
Connecting to Cloud

Slow Blinking Green
Updating

Fast Blinking Green
Establishing Connection with YoLink System (YoLink *Control*)

Blinking Red Once
Device alerts or device is connected to the cloud and is functioning normally

Fast Blinking Red
Removing Connection to YoLink System (YoLink *Control*)

Fast Blinking Red Every 30 Seconds
Batteries are low; please replace the batteries (see page 20)

C. Set Up

C-1. Set Up - First-Time YoLink Users (*Existing users proceed to **C-2. Add Device**, next page*)

1. Download the YoLink app through Apple App Store or Google Play Store (Search in the store or use the QR code on the right)

Available on the App Store

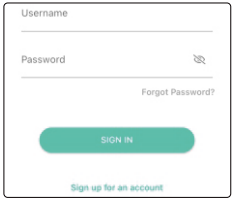
Google Play

> Apple iPhone or tablet that is iOS 9.0 or higher, or an Android phone or tablet that is Android 4.4 or higher

---

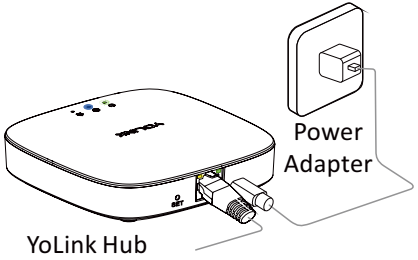
2. Log in to the YoLink app

> Create a new account if required



---

3. The YoLink Hub is required to set up your Door Sensor. Please set up your YoLink Hub first (refer to YoLink Hub manual)

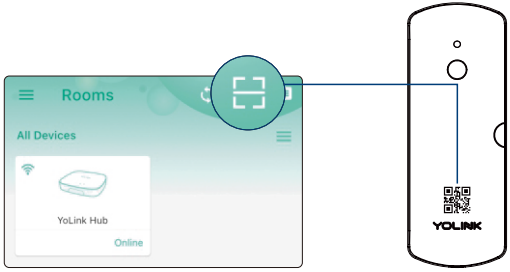


> 1. Make sure your Hub is connected to the internet (green LED indicator is blinking, blue LED indicator is always on)
>
> 2. Ethernet patch cable (included) to your network (router, switch, etc.), recommended. Otherwise connect your Hub to your home 2.4 GHz Wi-Fi network (only when necessary). Refer to the Hub set up manual for more information:
>
> YS1603-UC User Guide

C-2. Add Device

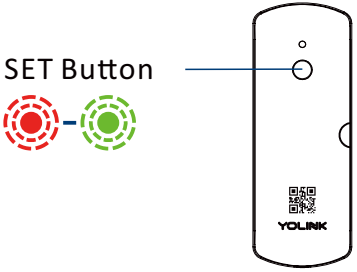
1. Tap " ⛶ " icon, then scan QR Code on the device. Follow the steps to add the device

> ! You must press "Bind Device" to pair the device to your account



---

2. Press the SET button once to turn on the device. The Status LED will blink red once, then green several times, indicating your device has connected to the cloud and is ready to use



> ! 1. You will need to press the SET button once again if the device failed to connect to the cloud
>
> 2. Pressing the SET button at any other time after this initial process will result in the LED blinking red once, only. This indicates the device is connected to the cloud and is functioning normally
>
> 3. If the red LED does NOT blink as noted this may indicate a problem with the sensor. Please see the troubleshooting section and the contact section for technical support

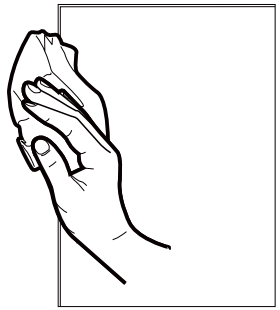
D. Installation

⚠ D-1. Test the Door Sensor Location Before Installation

- The sensor and magnet are very difficult to relocate after being affixed to the mounting surface. Test your sensor and magnet location before affixing the device to the surface. Use masking or painters tape to secure the sensor and magnet to the surface (align the semi-circle on magnet with the semi-circle on sensor). Once you have the sensor and magnet temporarily mounted, test it out. With the app in hand, open or close the door while observing the status of the sensor as shown on the app (Opened or Closed). Optionally, you may set up your automation (e.g. turn on a light when the door is opened) to functionally test the status change of the door or window - proceed to the following steps for information on creating automations, then return to this step
- Be sure the installing gap between sensor and magnet is within 0.4 inch and the semi-circle on magnet is aligned with the semi-circle on sensor when door or window is closed, otherwise the sensor may cannot obtain the correct status of door or window
- Avoid allowing the sensor to be exposed to strong impacts or vibration, door sensor should be mounted on the fixed part of door or window (such as the frame of a door or a window, etc.) , while magnet should be mounted on the movable part of door or window
- Avoid interference, install the door sensor away from strong magnet object

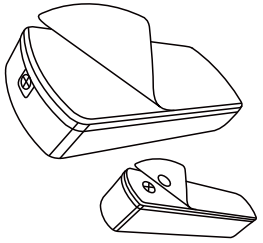
D-2. Begin Installation

1. Clean the installation area

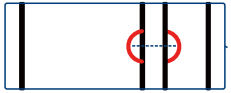


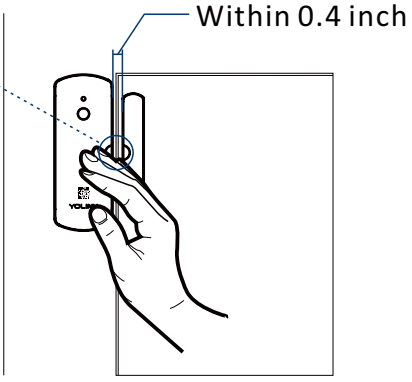
2. Remove the protective layer from the double-sided tape on the door sensor, place the door sensor in the desired position (the fixed part of your door or window), and press firmly for at least 5 seconds

> ! Please add the door sensor to the YoLink app before installing it



3. Remove the protective layer from the double-sided tape on the magnet, place the magnet in the desired position (align the semi-circle on magnet with the semi-circle on sensor), and press firmly for at least 5 seconds

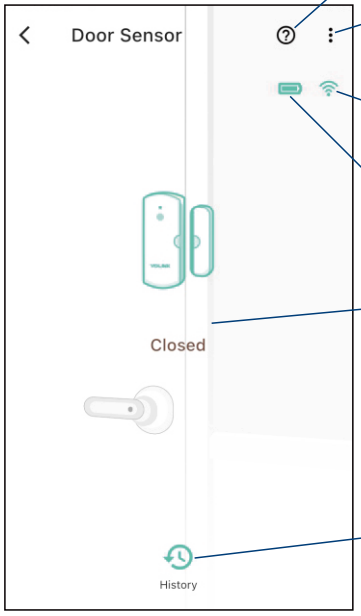




> ! Mount the door sensor first before you mount the magnet

E. Using the YoLink App

E-1. Device Page



- Tap to get device manual link, feedback, contact us information, etc.

Details
- Tap to go to Details page(refer to page 9)

Connection Status
of Door Sensor and Hub

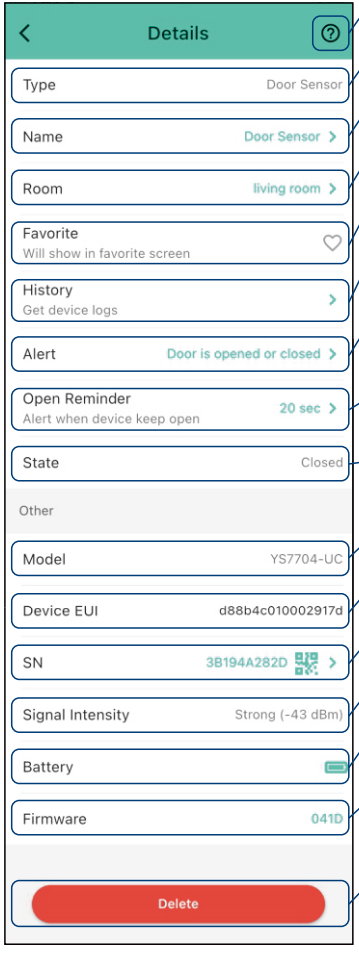
Battery Level of Door Sensor
- Shown red if battery level is low

Real-time status of Door Sensor:
Door/window is opened or closed



Device alert history
Door/window opened and closed,
logged with date & time

E-2. Details Page



- Tap to get device manual link, feedback, contact us information, etc.

a. Device Type

b. Rename the Device

c. Choose a Room for device

d. Add/Remove from favorites

e. Device Alert History
Door/window opened and closed, logged with date & time

f. Alert Settings
- Enable or disable alerts
Default is set to Alert When Door/Window is Opened or Closed

g. Send Notification
to you when the door/window is left open for a set time

h. Device Status: Opened or closed

i. Device Model

j. Device EUI (unique)

k. Device SN (unique)

l. Connection status of sensor and Hub

m. Current Battery Level
- Shown red if battery level is low

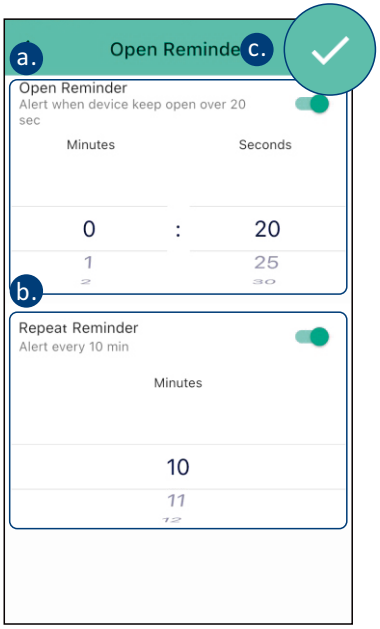
n. Firmware version
- "#### ready now" indicates a new update is available (refer to page 18)

o. Remove Device From Current Account
- Tap to delete the device from your YoLink account

Open Reminder

Enable Open Reminder to be notified when the door or window has been left open longer than your set duration. You will receive only one alert unless you enable Repeat Reminder

> After changing “Open Reminder” settings, press the device’s SET button once, to sync the new settings to the device. Otherwise, the device will automatically update within 4 hours (maximum)



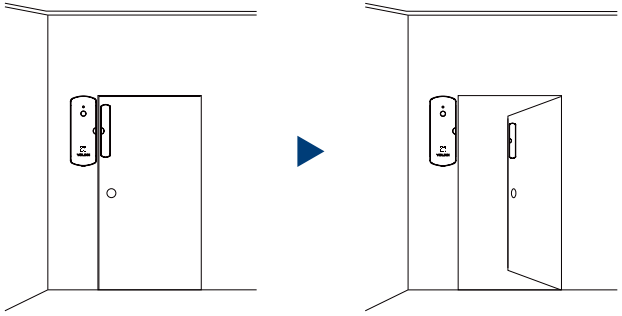
a. Slide switch on to enable, off to disable Open Reminder *(Default setting is enabled)*
- Set a duration for Open Reminder *(Default duration is 20 seconds, maximum is 30 minutes)*

b. Slide switch on to enable, off to disable Repeat Reminder *(Default setting is disabled)*
- *If enabled, additional notifications will be sent, per your set duration, until the door or window is closed*
- Set a duration for Repeat Reminder *(Minimum is 10 minutes, maximum is 60 minutes)*

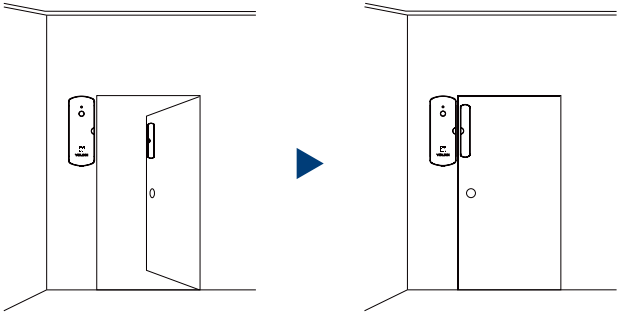
c. Tap to save the settings

E-3. Device Alerts

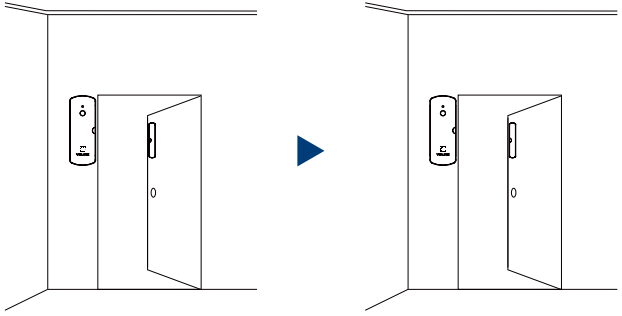
- Upon the opening or closing or left open for a set time of the door/window, an alert will be sent to your YoLink account



A. Door is opened



B. Door is closed

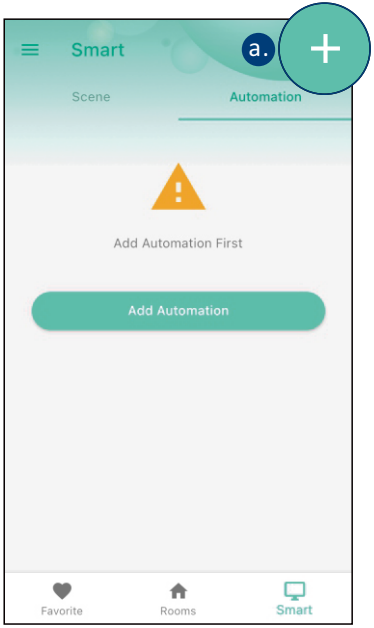


C. Door is still open for a set time

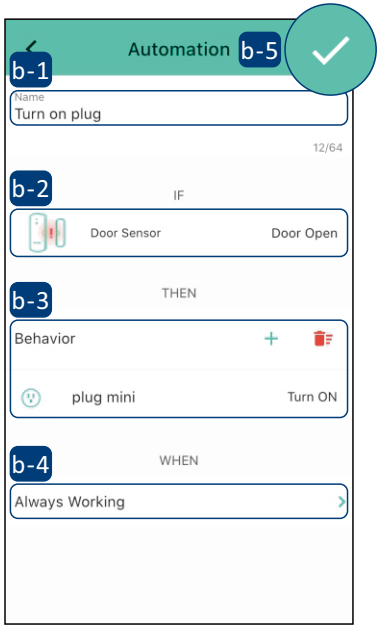
E-4. Automation

- Go to the “Smart” screen, tap “Automation”

> Door Sensor can be set as a trigger only, with three trigger options: Door is Open; Door is Closed; Door is Still Open

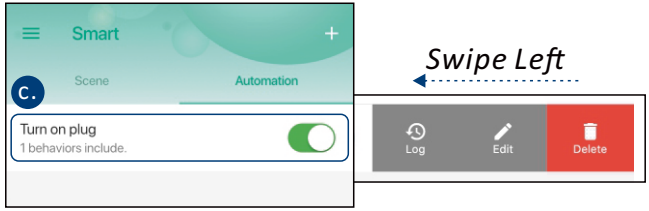


a. Tap the “+” icon to add an automation



b. Add an automation

b-1 Edit name
b-2 Edit trigger
b-3 Edit behavior *(You must have at least one action device, or you cannot set a behavior)*
b-4 Edit when *(Set a time range for the automation: always or during specific days or times)*
b-5 Tap to save the settings



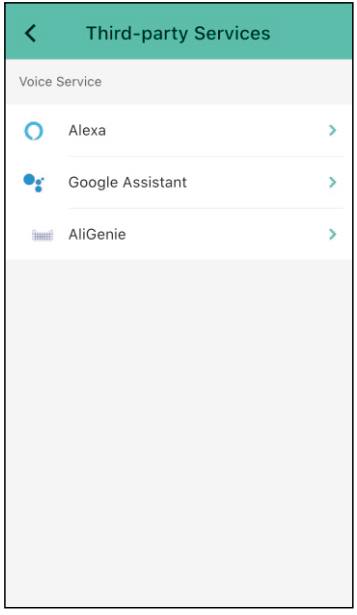
c. Click to edit the automation

1. Tap “ ” button to enable or disable the automation
2. Swipe left to view the history logs and to edit or delete the automation

E-5. Voice Assistants

Connect YoLink with third-party voice assistants to monitor the status of your devices through voice commands

- Tap " ☰ " in the upper left corner to go to My Profile
- Go to **Settings** > **Voice Assistants** for the applicable voice assistant integration guide



1. The Door Sensor integrates with Alexa and Google Assistant as well as IFTTT.com
2. Monitor the open/closed status of the Door Sensor from the Alexa or Google app
3. Open/closed status can be queries by voice command as well as the associated app (Alexa and Google) (For example, "Alexa, what is the status of the Front Door Sensor?" -- "The Front Door Sensor is closed"
4. The Door Sensor may be used as a trigger or input for routines (Alexa only) and for custom applets (IFTTT.com)
5. For additional information specific to the platform, refer to the associated app. Visit our website at www.yosmart.com/support-and-service for additional information, or contact us via email or phone (see page 26 for Customer Support email address and phone number) information

F. About YoLink *Control*

YoLink *Control* is our unique device-to-device control technology. Using YoLink *Control*, YoLink devices can be controlled without the Hub or an internet connection. (Use of YoLink *Control* is optional; you can use the Automation feature in the app OR use YoLink *Control*, but YoLink *Control* offers the benefit of operation without the Hub or internet connection.)

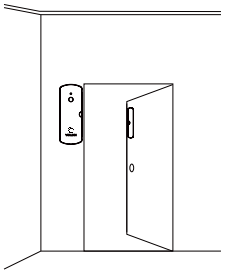
One device controls another, directly. A device that sends out commands is called the controller. A device that receives the commands is called the responder. Examples of a controller are a Door Sensor or Water Leak Sensor, while examples of a responder are a Siren or a YoLink Relay

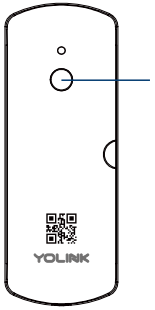
The YoLink Door Sensor can work as the controller of YoLink *Control*

F-1. Pairing

1. To configure your Door Sensor as a controller, turn the sensor into opened status (verify the door /window is opened). Press and hold the SET button for 5-10 seconds until the LED quickly blinks green, then, release the button

a. Open the door/window

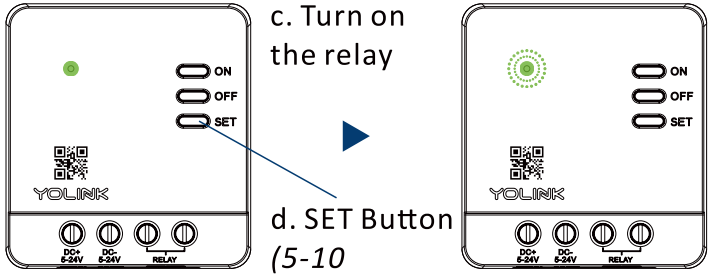




b. SET Button
(5-10 seconds)

2. To configure a YoLink Relay as the responder, turn on the relay using ON button or via YoLink app (verify the Status LED of YoLink Relay displays green). 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)

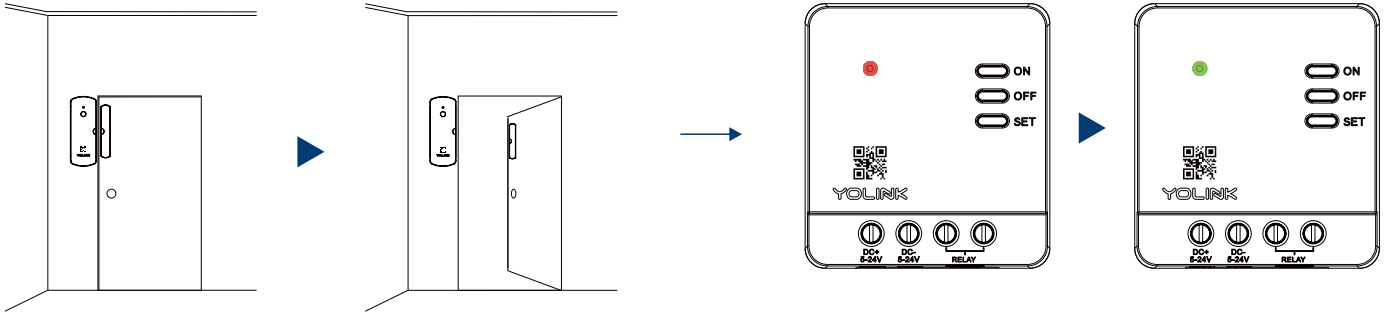


Refer to the YoLink Relay manual for more information: YS5706-UC YoLink Relay

1. Hold the SET button longer than 10 seconds will ABORT the pairing operation
2. If you want to turn off the YoLink Relay when the door is open, turn off the YoLink Relay first, and let it enter pairing mode
3. For the same Door Sensor and YoLink Relay, you can only choose to either turn on or turn off the YoLink Relay when the door is open

Operation

- When the door is open, the YoLink Relay will now immediately turn on. The relay will remain turned on until turned off using the OFF button or via the app
- More advanced sequences, controlling multiple outputs (e.g. turn off relay and activate siren) are available via the YoLink app



Door is opened

Turned off

Turned on

F-2. Unpairing

1. At the Door Sensor (controller), turn the sensor into opened status (verify the door/window is opened), press and hold the SET button for 10-15 seconds until the LED quickly blinks green, then red

---

2. At the YoLink Relay (responder), press and hold the POWER button for 10-15 seconds, until the LED quickly blinks green, then red

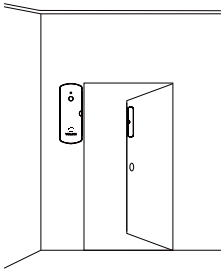
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3. Upon un-pairing, the Door Sensor LED will stop blinking and turn off, and the YoLink Relay LED will stop blinking and return to the previous color (green for turned on, red for turned off)

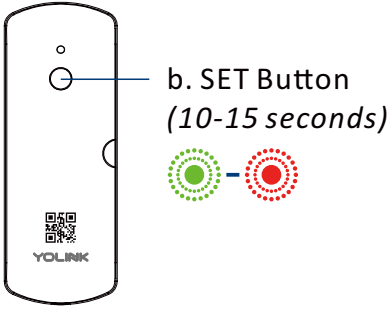
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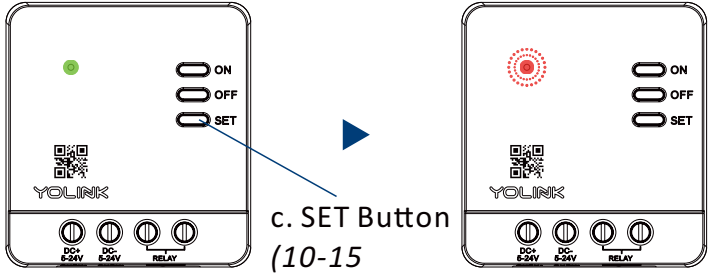
4. The YoLink Relay will no longer respond when the door is open

a. Open the door/window



> ! Hold the SET button longer than 15 seconds will ABORT the unpairing operation



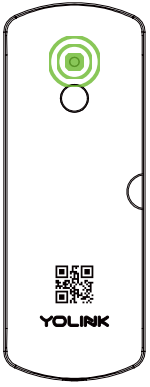


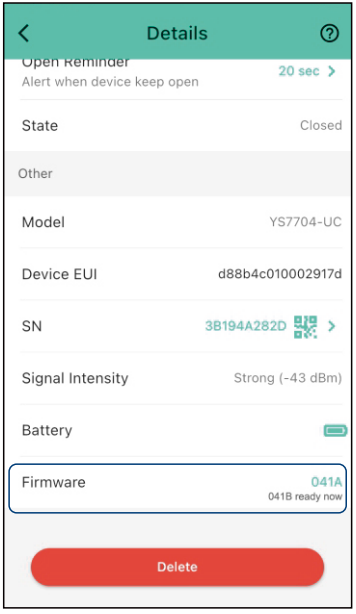
G. Maintenance

G-1. Firmware Update

To ensure our customers have the best user experience, we highly recommend you update to the newest version firmware when an update is available

- In “Firmware”, if a new version is listed as available (#### ready now), click it to start the firmware update process
- The device’s firmware will be updated automatically within 4 hours (maximum). To force an immediate update, press the SET button on the device once to make the device enter update mode
- You may use your device during the update as it is performed in the background. The LED light will slowly blink green during the update and the process will be complete within 2 minutes after the light stops blinking

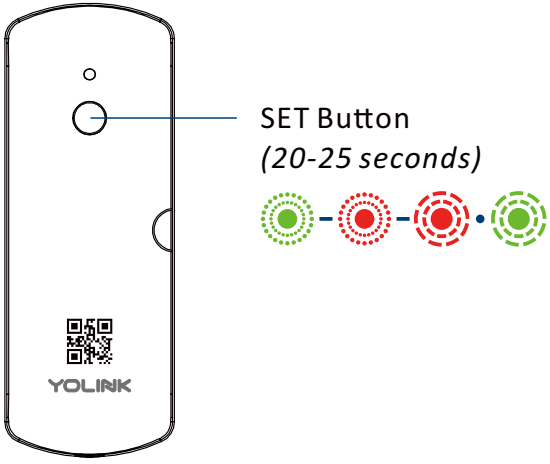




G-2. Factory Reset

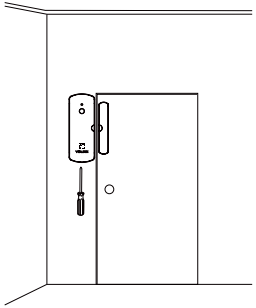
Factory reset will erase all of your settings and restore it to factory defaults. After the factory reset, your device will remain in your Yolink account

- Hold the SET button for 20-25 seconds until the status light blinks red and green alternately, then, release the button (*Hold the SET button longer than 25 seconds will ABORT the factory reset operation)*
- Factory reset will be complete when the status light stops blinking

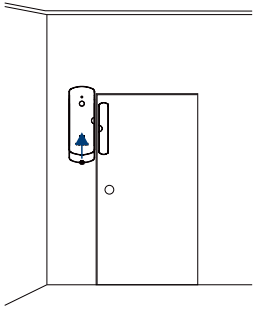


G-3. Replacing the Batteries

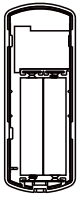
1. Remove the housing screw, carefully place it aside.



2. Push the sensor upward and then remove the sensor



3. Remove the old batteries



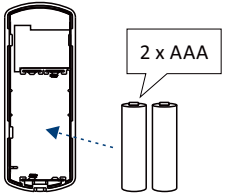
Tools Required:



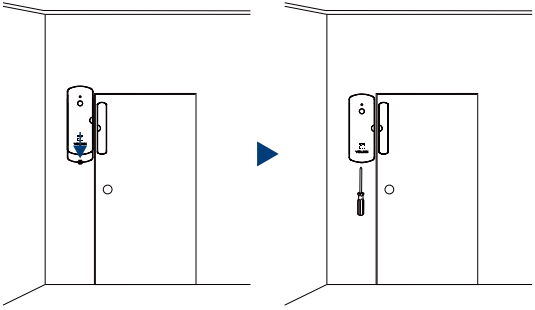
Small Philips Screwdriver

4. Observing polarity, insert two new AAA batteries

> ! Do not mix old and new batteries



5. Reassemble the sensor and then tighten the screw



6. Using the app, verify the sensor is online and battery with full charge

H. Specifications

Voltage:	3V DC (2 - alkaline non-rechargeable AAA batteries)
Magnet Gap:	≤ 0.4 inch
Dimensions:	Door Sensor: 3.27 x 1.22 x 0.59 inches (L x W x D) Magnet: 2.48 x 0.44 x 0.47 inches (L x W x D)
Environment:	Temperature: 32°F - 122°F (0°C - 50°C) Humidity: ≤95% non-condensing

H-1. Wireless Specifications (Model: YS7704-EC)

Description:	Door Sensor
Operation Frequency:(CE)	SRD(TX): 863.1 MHz
Max RF Output Power:(CE)	SRD: 5.33 dBm

H-2. Wireless Specifications (Model: YS7704-UC)

Description:	Door Sensor
Operation Frequency:	SRD(TX): 910.3 MHz
Max RF Output Power:	SRD: 5.33 dBm

I. Troubleshooting

Hardware:

Batteries: Batteries should be brand new, name brand “AAA” alkaline type. Refer to “Warnings” Section on page 24

Symptom:

1. Device is offline

- If sensor is not connected to the cloud, press the SET button on door sensor once
- If Hub is offline, reconnect the Hub to the Internet and press the SET button on door sensor once
- If Hub is not on, power on the Hub again and press the SET button on door sensor once
- If sensor is out of range with Hub, relocating the sensor or Hub may be required
- For a device with low-battery indicators or alerts or if the condition of the batteries is in question, replace the batteries with two premium “AAA” alkaline batteries

2. Other issues, contact customer service, **1-949-825-5958 (M-F 9am - 5pm PST)** or email 24/7 at **service@yosmart.com**

J. Warning

- Please install, operate and maintain the Door Sensor only as outlined in this manual. Improper use may damage the unit and/or void the warranty
- Use only new, name brand, alkaline non-rechargeable AAA batteries
- Do not use rechargeable batteries
- Do not use zinc blend batteries
- Do not mix new and old batteries
- Do not puncture or damage batteries. Leakage can cause harm on skin contact, and is toxic if ingested
- Do not dispose of batteries in fire as they may explode! Please follow local battery disposal procedures
- Do not install or use the sensor outside of the temperature and humidity range listed in the Environmental section in Specifications, on page 21. Lithium non-rechargeable batteries, operating in a wider temperature range, are recommended for applications on the hotter or colder end of the device's operating range (device environmental limitation can be extended to the range of -4°F - 140°F (-20°C - 60°C))
- If your Door Sensor gets 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

- To avoid damaging the device, if storing the device for an extended period, remove the batteries
- 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

If you have any difficulties installing or using YoLink products, please contact our Customer Service department during business hours:

US Live Tech Support: **1-949-825-5958** M-F 9am - 5pm PST

Email: **service@yosmart.com**

YoSmart Inc. 15375 Barranca Parkway, Ste G-105 Irvine, CA 92618, USA

Warranty 2 Year Limited Electrical Warranty

YoSmart warrants to the original residential user of this product that it will be free from defects in materials and workmanship, under normal use, for 2 year from the date of purchase. User must provide a copy of original purchase receipt. This warranty does not cover abuse or misused products or products used in commercial applications. 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 is limited to 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

To implement this warranty please give us a call during business hours at 1-949-825-5958, or visit www.yosmart.com

FCC Statement

Product Name: Door Sensor
Model Number: YS7704-UC, YS7704-UA
Responsible Party: YoSmart Inc.
Address: 15375 Barranca Parkway, Ste G-105 Irvine, CA 92618, USA
Tel: 1-949-825-5958
E-mail: service@yosmart.com

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
- Consult the dealer or an experienced radio / TV technician for help

FCC Statement

Product Name: Door Sensor
Model Number: YS7704-UC, YS7704-UA
Responsible Party: YoSmart Inc.
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- 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
- Consult the dealer or an experienced radio / TV technician for help

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
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: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC RF radiation exposure statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

"To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."

CE Mark Warning

Product Name: Door Sensor
Model Number: YS7704-EC, YS7704-EA
Responsible Party: YoSmart Inc.
Address: 15375 Barranca Parkway, Ste G-105 Irvine, CA 92618, USA
Tel: 1-949-825-5958
E-mail: service@yosmart.com

The host manufacturer has the responsibility that the host device should be compliance with all essential requirement of RER. This restriction will be applied in all member states. The simplified UK declaration of conformity referred shall be provided as follows: Hereby, YoSmart Inc. declare that the radio equipment type Door Sensor is in compliance with Directive UK Radio Equipment Regulations (SI 2017/1206); UK Electrical Equipment (Safety) Regulation (SI 2016/1101); and UK Electromagnetic Compatibility Regulations (SI 2016/1091); The full text of the UK declaration of conformity is available at the following internet address: 15375 Barranca Parkway, Ste G-105 Irvine, CA 92618, USA