WIFI ALARM KIT

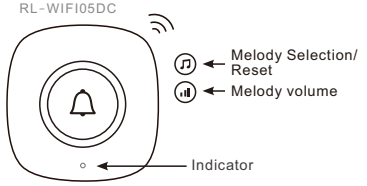
RL-WIFI05DC-G2

Version 1.1

Package Contents

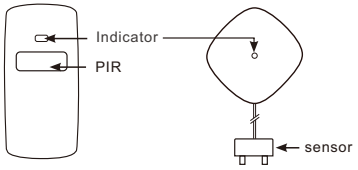
Gateway*1	Doorbell Button*1
Outdoor PIR sensor*1	Vibration Sensor*1
Door/window Sensor*1	3M sticker*5
SOS remote control *1	Battery (CR2032)*5
Micro USB cable*1	Water Leak Detector*1
Screw Pack *1	Bracket Pack*1

Gateway
RL-WIFI05DC



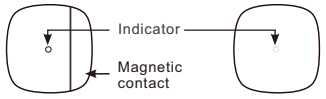
Outdoor PIR Sensor
RL-R43

Water Leak Detector
RL-WS200



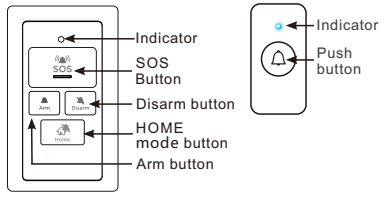
Door/window Sensor
RL-DS200

Vibration Sensor
RL-VS200



SOS remote control
RL-AS200

Doorbell Button
RL-11TX-1



Main Function:

When the 433MHz device is triggered, it will send a wireless signal to the gateway. Once the gateway receives the signal, with WiFi connectivity, the data stating the trigger will be uploaded to the Cloud and a push notification will be sent to the user's mobile phone.

Operating Instructions

A. Downloading the APP

Download the APP to your smart mobile phone by one of the following methods:

1. On your mobile phone go to the App Store or Google Play. Then, do a search for "TuyaSmart".
2. Scan the QR code below to download.

TuyaSmart

Android 5.0 / iOS 8.0 or higher

B. Adding the Gateway

1. Place the gateway next to the router (2.4GHz WiFi) and ensure it has connected to power source. Long press the " " button for above 5 seconds, the indicator light will flash green rapidly or slowly, the device is in the WiFi configuration state.
   If reset, the indicator light will flash rapidly, refer to the "Reset the Gateway" section on Page 5.
2. Please connect your mobile phone and the gateway to the same WiFi network, and then launch the APP " TuyaSmart".
3. For the steps of adding the gateway, please check the Help documents. Tap " Me" on the lower right of the screen and then tap "FAQ & Feedback".

NOTE: If failed to detect the device, follow the instructions below to add the device.

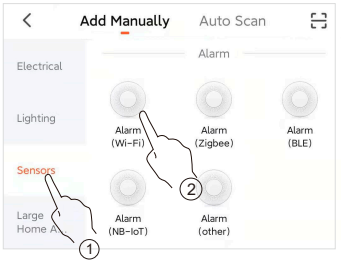
Two Methods of Adding the Device

a. Auto Scan

1. Enable the bluetooth function of your mobile phone.
2. The device is in WiFi Configuration state.
3. On the APP's home page, tap "+" at the upper right corner and then tap "Auto Scan"…

b. Add Manually

1. The device is in WiFi Configuration state.
2. On the APP's home page, tap "+" at the upper right corner and then tap "Add Manually".
3. Product type: Sensors > Alarm (Wi-Fi).



4. Enter the WiFi account and password. Select the network configuration method (EZ mode or AP mode) according to the indicator light.

C. APP FAQ

Failed to add the device.

1. Please check whether the network you connected is 2.4GHz WiFi.
2. If the above operation is correct, reset the device and add it again.

D. Gateway Indicator Light Explanation

1. Green Light

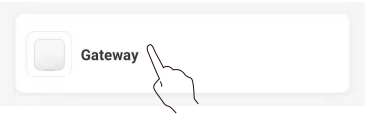
- Rapid blink (one blink/second): In EZ mode, configuring WiFi.
- Slow blink (one blink/2 seconds): In AP mode, configuring WiFi.
- Steady On: Router connected.

2. Red Light

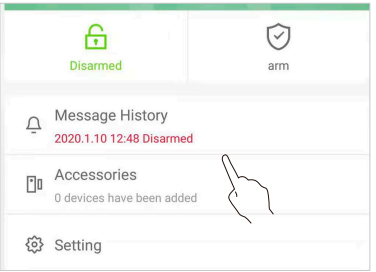
- Blink: Gateway is sounding the alarm or ringtone.
- Steady On: Router disconnected or pair timed out.

E. Adding Sub Devices to the Gateway

1. In the device list, tap the gateway you just added.

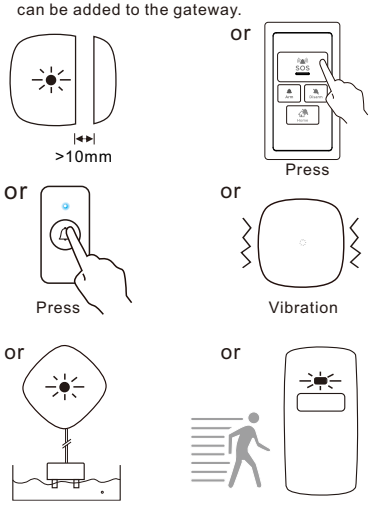


2. Tap "Accessories".

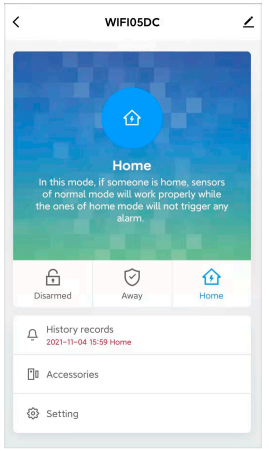


3. Tap "+"

4. Within 90 seconds, trigger the sensor and its indicator light will turn on. On the other hand, if the gateway receives the signal from the sensor, it will sound two "Di" tones to indicate that adding the sensor is successful. Only one sensor can be added once. 15 sensors in total can be added to the gateway.



F. Gateway's APP interface

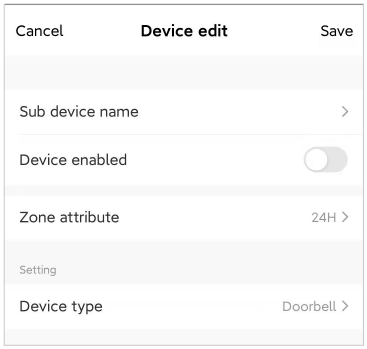


- **Modes:** Disarm, Arm and Home.
- **Accessories:** View the paired sensors, edit their settings including name, type, security zone attribute, etc.
- Up to 15 sensors can be added to the gateway.

Setting

- **Arm Delay Set**
  0-60 seconds for option (0 second by default).
- **Schedule**
  Setup a schedule for Arm, Disarm and Home modes based on Mon/Tue/Wed/Thu/Fri/Sat/Sun and Hour/Minute.
- **Alarm Volume**
  Mute, Low, Medium and High volume for option (Medium by default).
  Duration: 1/2/3/4 min for option (1 min by default).

Sub Device Settings



Security Zone Attribute: General, Home and 24h.

NOTE:

- The step-by-step instructions on the app may slightly vary due to the app update. Simply follow the actual instructions on the app when adding the device.
- To edit the sensor's security zone attribute, refer to the "gateway modes and sensor's security zone attributes"

Gateway Modes and Sensor's Security Zone Attributes

NOTE: If the sensor is set to "24h" for its "security zone attribute" and once it is triggered, it always can trigger alarms no matter which mode (ie., Arm, Disarm, Home) the gateway is set.

- Arm: This mode is suitable for the time when no one is at home. If set to this mode, all sensors can trigger the alarm.

- Home: This mode is suitable for the time when people are at home. If set to this mode, the sensors set to "general" for their "security zone attribute" can trigger alarms while the sensors set to "home" for their "security zone attribute" cannot.

- Disarm: If set to this mode, sensors with both "general" and "home" for their "security zone attribute" cannot trigger alarms.

G. Gateway Operation

Selecting the melody

Press " ♫ " on the side of the gateway to select the melody. There are 16 melodies for option.

Adjusting the volume

Press " 🔊 " on the side of the gateway to adjust the volume. 4 levels (High, Medium, Low and Silent) for option.

Reset the gateway

Press and hold " ♫ " on the side of the gateway for above 5 seconds, the red indicator light of the gateway will rapidly flash to indicate that it has entered into the Reset status. Then, connect your mobile phone to the 2.4G WiFi and follow the adding process to add the gateway.

a. EZ Mode

If you want to re-pair the device or timeout occurs during the pairing state:

Press and hold the Reset button for above 5s, the indicator light will flash green rapidly to indicate network has been reset and is entering to EZ mode.

b. AP Mode

Under the EZ mode, press and hold the Reset button again for above 5s, the indicator light will flash green slowly to indicate that you have switched to AP mode. Pressing and holding the Reset button again for above 5s can return to EZ mode.

Timed out during Network Configuration

Both EZ and AP network configuration processes will last for 3 minutes. After 3 minutes, if it fails to pair, it will enter into the timeout state and the indicator light will glow red constantly.

H. Door/window Sensor

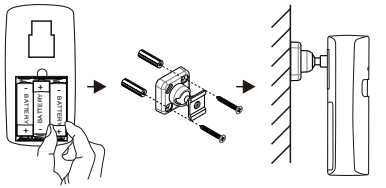
1. Remove the insulation sheet from the battery compartment.
2. Paste the 3M sticker supplied on the back of the sensor.
3. Attach the sensor onto the door. Make surethe magnet is aligned with the sensor.

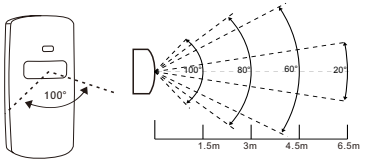
NOTE:

- Vibration sensor, doorbell button and water leak detector have the same installation method as the door magnetic sensor.
- The sensor of the water leak detector should be put in the place where water leak detection is desired.

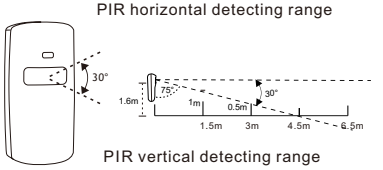
I. Outdoor PIR Sensor

1. Install AAA alkaline batteries.
2. Install the bracket.
3. Attach the PIR sensor to the bracket and adjust the angle accordingly.





PIR horizontal detecting range



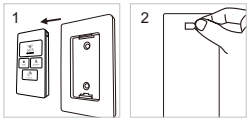
PIR vertical detecting range

NOTE:

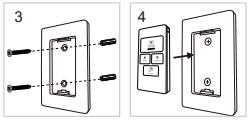
- The default attribute of PIR sensor is HOME. At the same time if the gateway set to HOME as well, the PIR sensor will not trigger an alarm. You may need to edit the PIR sensor attribute if necessary.
- Alkaline batteries are recommended
- Do not mix old and new or other battery types
- Replace all batteries at the same time
- Remove batteries if product is to be unused for extended periods of time

J. SOS remote control

1. Remove the remote control from the bracket.
2. Remove the insulation sheet from the battery compartment.



3. Install the bracket.
4. Attach the remote control onto the bracket.



SOS Remote Control Operation Instructions

- Press the " SOS " button, the gateway will give out an alarm.
- Press the " Arm " button, the gateway will give out a beep tone and then enter into arm mode.
- Press the " Home " button, the gateway will give out a beep tone and then enter into home mode.
- Press the " Disarm " button, the gateway will give out two beep tones and then enter into disarm mode.

K. How does it Work

When the sensor detects trigger signal (for example, the PIR detects a human movement), the sensor will turn on its indicator light and send a wireless signal to the gateway. Once the gateway receives the signal, a push notification will be sent to the mobile phone via WiFi.

When the sensor is triggered and if its battery level is lower than the low battery value defined, the app will warn you with a low battery notification.
Please replace the batteries as soon as possible to prevent any mulfunction.

Trouble Shooting

1. Gateway indicator light glows red constantly.

- Check if the router works properly.
- Check if the pair is timed out. If yes, pair the device again.

2. Unable to add the gateway

- Please check if the network you connected is 2.4GHz WiFi.
- Please check if the WiFi password you typed is correct.
- If the above operation is correct, reset the device and add it again.

3. Unable to add sub devices

- During adding the sub device, you should trigger the sub device so that it can send a wireless signal to the gateway.
- If the sub device you are triggering has already been added, or, if the sub device reaches the low battery level, the gateway will give a long "Di" tone.
- Please check if the network works properly.

4. Unable to receive push notifications

- Check if the network works properly.
- Check if your mobile phone allows the app to push messages.
- Check the sensor's security zone settings. See the "Gateway Modes and Sensor's Security Zone Attributes" section on Page 3 for details.

Technical Specifications

General Parameters

Working Frequency: 433.92MHz±250KHz
Modulation: OOK (433.92MHz)
Working Temperature: -10℃~50℃
Distance: ≥80m(Open Area)

Gateway

Power	Micro USB DC 5V 1A
Working Power Consumption	<3W
Volume (30cm)	Low: 60-70dB Medium: 70-80dB High: 80-90dB
Frequency	WIFI 2.4GHz
Wireless Distance between the Gateway and Router	Open Area: 80m(±20%) Indoor: 15m(±20%)

- **Door/window Sensor**
- **Vibration Sensor**
- **SOS remote control**
- **Doorbell Button**

Battery	DC 3V (CR2032*1)
Working Current	<30mA
Standby Current	<2uA
Low Voltage Indicator	<2.4V±0.1V

Outdoor PIR Sensor

Battery	DC 4.5V (AAA*3)
Working Current	<20mA
Standby Current	<60uA
Low Voltage Indicator	<3.3V±0.1V
Infrared Detective Distance	0~6m
Infrared Detecting Angle	0°~100°
Trigger Interval	≈65s
Working Temperature	-20℃~50℃

Water Leak Detector

Battery	DC 3V (CR2032*1)
Working Current	<20mA
Standby Current	<5uA
Low Voltage Indicator	<2.4V±0.1V

The product is for indoor use only. Do not install outside.(Outdoor PIR sensor and doorbell button are excepted.)

NOTICE:
This manual is for the purpose of product use and operation. Design and specifications are subject to change without notice.

WARNINGS

CAUTION

1. Risk of explosion if the battery is replaced by an incorrect type;
2. Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion;
3. Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas;
4. A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.
5. Do not ingest battery, Chemical Burn Hazard
6. This product contains a coin / button cell battery. If the coin / button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
7. Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.

User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

The symbol indicates direct current (DC)

FCC WARNINGS

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

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