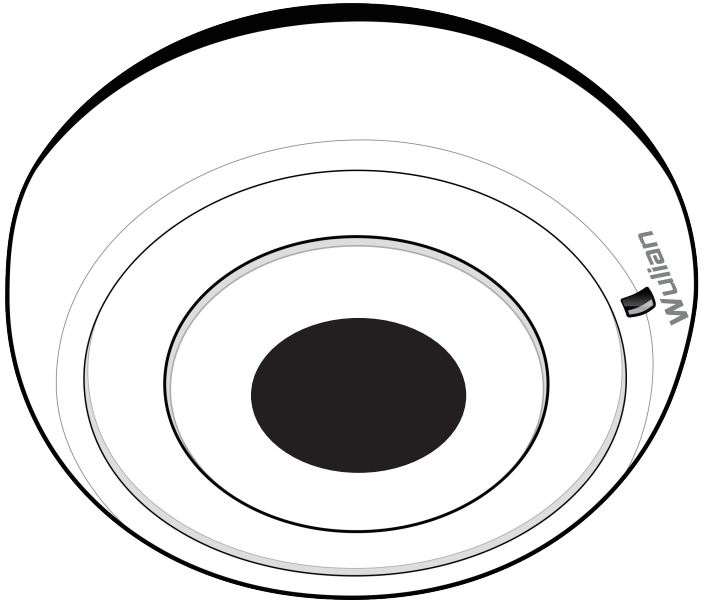
Wulian®

ISO9001:2008 Certified

Smart IR Transmitter (Top Emitted)

WL-ZTPWBPW-I001-02

User Manual



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Publication Number: 2016-0512.V01

Welcome to Use Smart IR Transmitter (Top Emitted)

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●Please read this manual carefully to ensure proper and safe use.

●Smart IR Transmitter (Top Emitted) (hereinafter referred as “this product”) is manufactured by Nanjing IOT Sensor Technology Co., Ltd. (hereinafter referred as “Wulian”). This product shall be used with Smart Home App as well as supplied accessories. Wulian is not responsible for any loss due to improper installation or usage of this product.

●Wulian will update product information in this manual anytime without prior notice. Please pay attention to our information timely and download Smart Home App with the latest edition.

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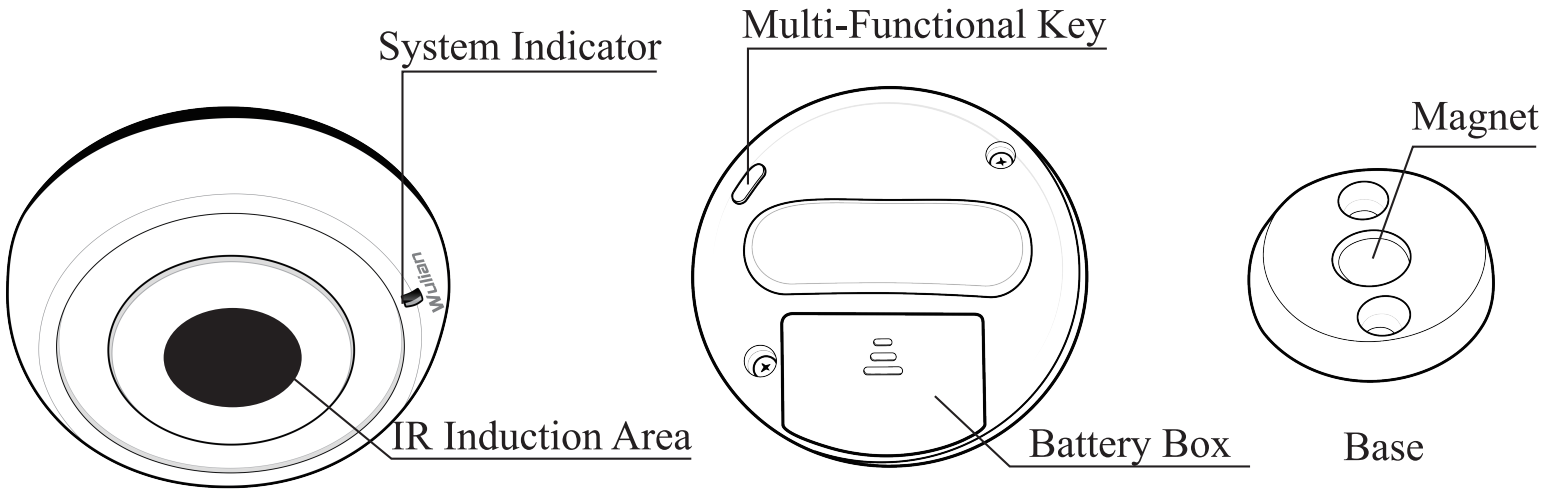
●Welcome to visit Wulian official website www.wuliangroup.com for more information.

Function Illustration



Features

- Support IEEE 802.15.4 (ZigBee/SmartRoom) protocol.
- Realize the local & remote control for IR remote control devices by smart home App.
- Make linkage with several IR devices to replace remote control completely.
- High sensitivity, accurate control, easy installation, simple and reliable to use.
- Exquisite design, fit to all decoration styles.

Electrical Parameter

Communication Protocol	IEEE 802.15.4 (ZigBee/SmartRoom)
Antenna Type	Internal Antenna
Power Parameter	DC 3V
Battery Type	CR2*1
Standby Power Consumption	7μA
Control Distance	5m
Control Angle	45°

Structure Parameter

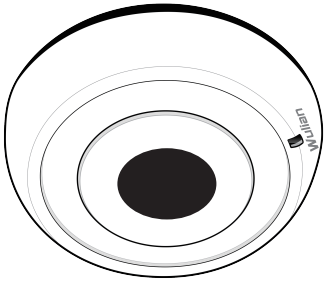
Overall Size (diameter*thickness)	64×32 (mm)
Material & Color	PC, White
Flame Retardant Rating	UL94 V-2
Working Temperature	0℃~+50℃
Working Humidity	≤95%RH (Noncondensing)
Installation Method	Ceiling-Mounted
Net Weight (g)	52g
Storage Temperature	-20℃~+60℃

Software Download

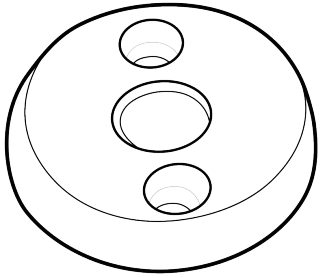
Option A:
Download the latest Smart Home App by scanning the QR code on the package box of this product.
Option B:
iOS user can download the App by searching "Wulian Smart Home" in "App Store".
Android user can download the App by searching "Wulian Smart Home" in "Google Play".

Warm prompt: For the first use, please download Smart Home App and read user manual carefully. Please pay attention to Wulian information to download the latest App in time.

Package List

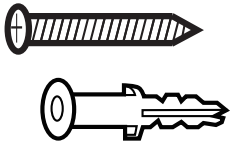


Smart IR Transmitter (Top Emitted) *1

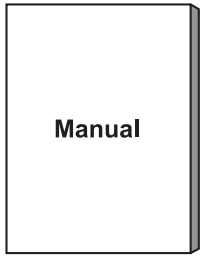


Base *1

CR2*1



(Expansion Tube + Expansion Screw)*2



Manual * 1

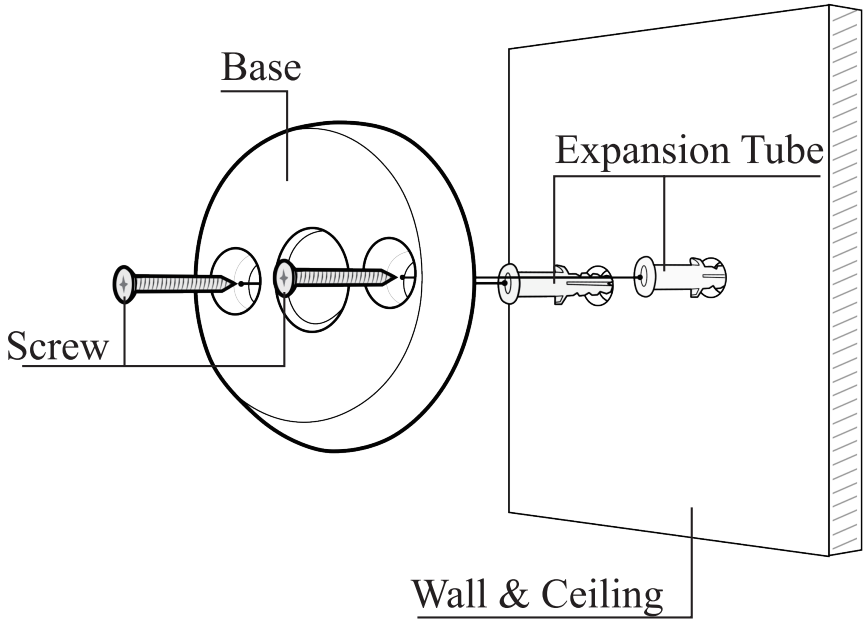
Warranty Card *1

Installation Steps

Notes: This product supports ceiling/wall mounting. It can be put on the fixed flat surface as well.

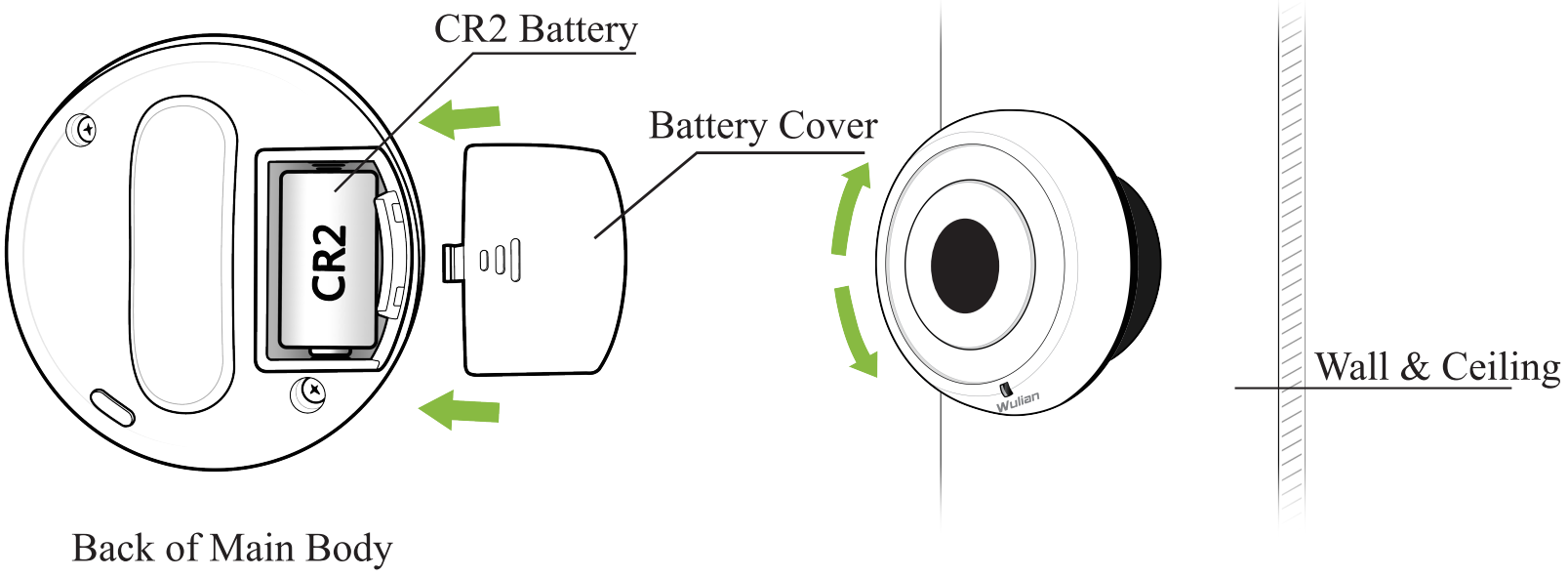
1. Ceiling/Wall Mounting

① Put 2 expansion tubes into the fixed position on the wall/ceiling. Then fix the base via self-tapping screw.



② Open battery cover, put in a CR2 battery and close cover. Attach main body of Smart IR Transmitter to the base and adjust to the right angle to finish installation.

Notes: Please join the network before finishing installation.

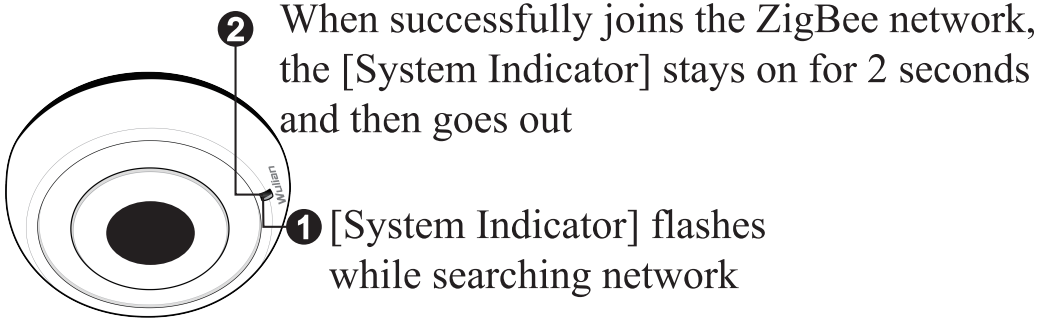


Network Setting

1. Before setting, please make sure the gateway (need to be purchased) works normally and the ZigBee network indicator flashes, also the product is in a power-on state and within valid communication scope of the wireless gateway.
2. Before operating, please make sure the product is not connected to any other gateway; or exit the connecting ZigBee network before networking again (new product can be connected to the network directly).
3. Networking

① First time to join the network

●Allow the gateway for networking (refer to the gateway manual for details);
●When use the product for the first time, power it on and it will apply to join the ZigBee network automatically;
●Then the [System Indicator] flashes while searching for the network;
●When successfully joins the ZigBee network, the [System Indicator] stays on for 2 seconds and then goes out.



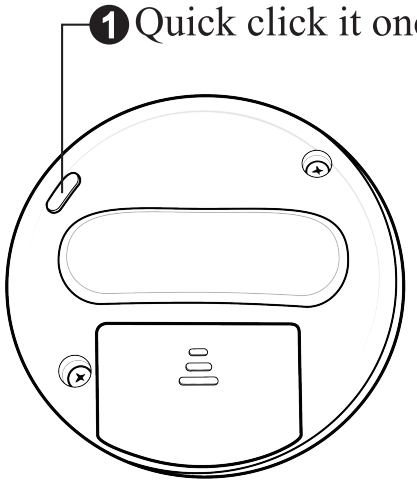
Front of Main Body

② Join the network manually

●If the product has exit the ZigBee network and needs to join again, quick click [Multi-Functional Key] once;

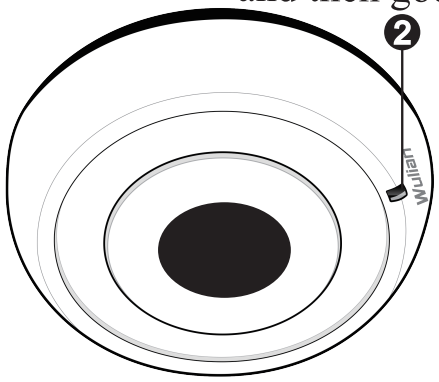
●Then the [System Indicator] flashes while searching for the network;

●When successfully joins the ZigBee network, the [System Indicator] stays on for 2 seconds and then goes out.



Back of Main Body

[System Indicator] flashes while searching for the network; when successfully joins the ZigBee network, it stays on for 2 seconds and then goes out.

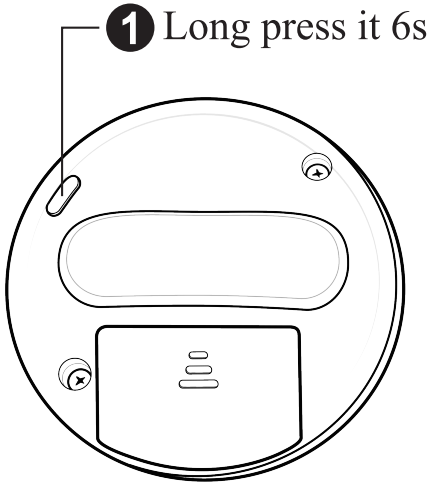


Front of Main Body

4. Exit Setting

●Long press the [Multi-Functional Key] 6s and loose it;

●Then the [System Indicator] flashes 4 times and goes out to exit the current ZigBee network.



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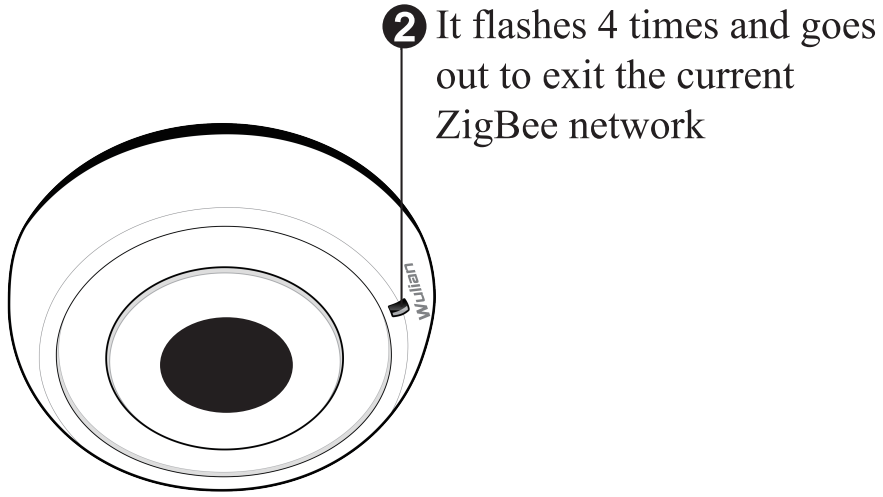


Front of Main Body

Note 1:

If the device cannot join the ZigBee network after the operations above, please follow the following steps (please make sure the gateway is allowed for networking): ①exit the network (refer to Exit Setting for details); ②wait for 2s and quick click [Multi-Functional Key] once to join the network.

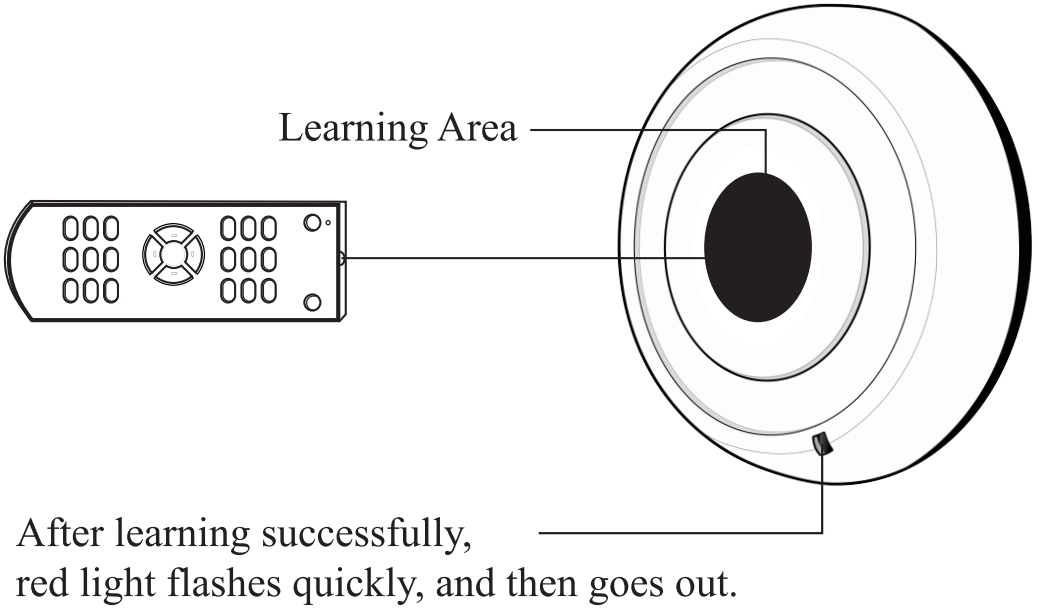
Note 2:

After exiting the network, please do not cut off the power (such as switching off the power, removing the battery, etc.) within 4s in case of device abnormality.

User Guide

① Open smart home App to enter IR transmitter setting interface, input the name of the learning key and click it to send learning command to be ready on learning. The System Indicator flashes red.

② When aim remote controller at learning area on this product, and then press the learning key. After learning successfully, red light flashes quickly and then goes out.



Cautions

● Please operate twice to learn ON/OFF key respectively if ON/OFF keys of remote controller for home appliance are in one.

● This product should be installed as far as possible to avoid the direct position of other infrared equipment, while avoiding light, direct sunlight, otherwise it will interfere with the reception of infrared signals.

● Do not drop this product high in the air or smash it in case of affecting the service life.

● If the product breaks down, please send it to local service center for repair or contact our customer service staff. Non-professionals cannot handle it personally.

● This product should be installed in dry and clean place to prevent inner component from dampness or other debris.

Purchasing Information

Product Name	Smart IR Transmitter (Top Emitted)
Model	WL-ZTPWBPW-I001-02
Material & Color	PC, White

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