

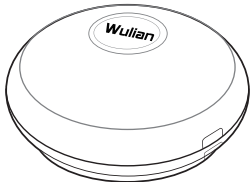
Wulian[®]

ISO9001:2008 Certified

Smart IR Transmitter (Full Direction)

WL-ZTPCNPB-I020-01

User Manual



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Welcome to use Smart IR Transmitter (Full Direction)

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

● Wulian Smart IR Transmitter (Full Direction) (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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Features

- Support IEEE 802.15.4 (ZigBee/SmartRoom) protocol.
- Emit IR signal in 360 degree for full coverage and emission, high sensitivity and accurate control.
- With the function of learning and memorizing several IR devices to remote or local realize the control of IR by smart home App.
- Adopt dynamic encryption with AES-128 bit key for excellent security, more stable and reliable with wireless signal transmission.
- Ceiling mounted, easy, secure and reliable use makes your life easier.
- Housing of this product is made of infrared-transmitting PC material, eliminate effectively visible light interference with infrared, and the base is sturdy and durable with high shock-resistance and temperature-resistance material.

Package List



Main Body of Smart IR
Transmitter (Full Direction)*1



Ceiling-Mounted Base*1



Wall-Mounted Base*1



Expansion Tube + Expansion Screw
(ST4*30) *2

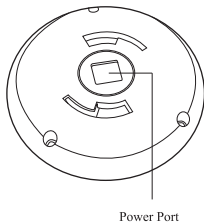
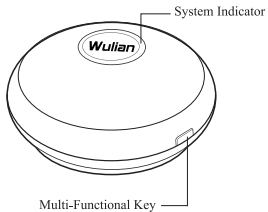


Manual *1



Warranty Card*1

Product Illustration



Installation Guide

Note: When ceiling mounting is required, power line needs to be striped 10mm.

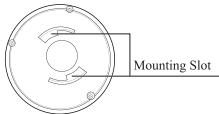
Option One:

Installation conditions: It suits the top surface or wall with ceiling mounting holes (about 68mm-80mm in diameter) or can be punched to draw out the power line.

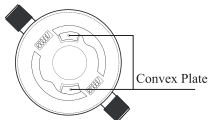
Installation List: Main Body of Smart IR Transmitter, Ceiling-Mounted Base

Installation Steps:

1. Aim the Convex Plate on the Ceiling-Mounted Base to the Mounting Slot at the bottom of the Body, turn clockwise after clipping it in.

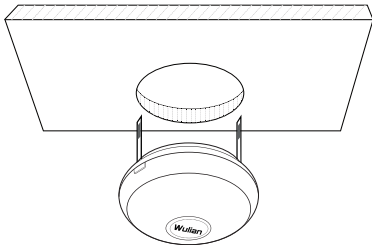


Main Body



Ceiling-Mounted Base

2.Connect power line with connecting terminal at bottom of main body; Pull up torsional spring, and then Vertically fix it in the mounting hole to finish installation.



Option Two

Installation conditions: It suits the top surface or wall without ceiling mounting holes (about 68mm-80mm in diameter) or can be punched small holes to draw out the power line.

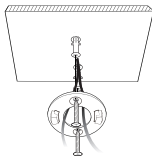
Installation List: Main Body of Smart IR Transmitter, Wall-Mounted Base, Expansion Tube, Self-Tapping Screw

Installation Steps:

1. Make signs in the ceilings or the wall and punch two holes with a drill. Then install two Expansion Tubes.

Notes: Make an aperture of 5mm by drill . Center distance of two pre-targeting aperture is 40mm.

2. Fix the Ceiling-Mounted Base with two screws and connect the power line to the body.



3. Connect the power line to the Main Body of Smart IR Transmitter. Then clip the Mounting Slot of the Body in the wall type Convex Plate of the Base accurately and turn clockwise to finish the installation.

Option Three

Installation conditions: It suits the top surface or wall without ceiling mounting holes (about 68mm-80mm in diameter) and can be punched, power line cannot be drawn from the wall but from the side.

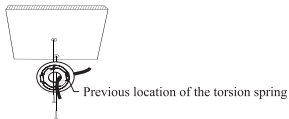
Installation List: Main Body of Smart IR Transmitter, Wall-Mounted Base (without Torsion Spring), Expansion Tube, Self-Tapping Screw

Installation Steps:

1. Take down the Torsion Spring on the Main Body of Smart IR Transmitter. Make signs in the ceilings or the wall and punch two holes with a drill. Then install two Expansion Tubes.

Notes: Make an aperture of 5mm by drill . Center distance of two pre-targeting aperture is 54mm.

2. Pass the power line through the previous location of the torsion spring. Fix the Ceiling-Mounted Base on the wall with two Self-Tapping Screws.



3. Connect the power line to the Main Body of Smart IR Transmitter. Then clip the Mounting Slot of the Body in the wall type Convex Plate of the Base accurately and turn clockwise to finish the installation.

Network Setting

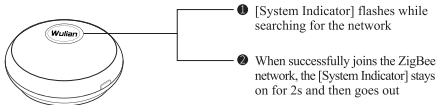
1. Before setting, please make sure the gateway (need to be purchased) works normally and the ZigBee network indicator flashes, also the product is in a power-on state and within valid communication scope of the wireless gateway.

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

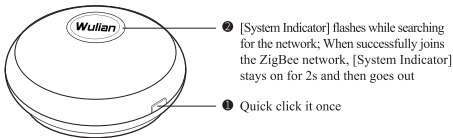
- Allow the gateway for networking (refer to the gateway manual for details);
- When use the product for the first time, power it on and it will apply to join the ZigBee network automatically;
- Then the [System Indicator] flashes while searching for the network;
- When successfully joins the ZigBee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



②Join the network manually

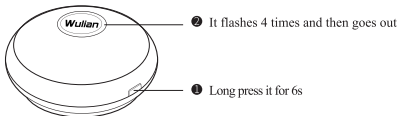
- Quick click [Multi-Functional Key] once, then the [System Indicator] flashes while searching for the network;
- When successfully joins the ZigBee network, the [System Indicator] stays on for 2 seconds and then goes out.

Note: Click the [Multi-Functional Key] one time and [System Indicator] flashes once to indicate successful networking.



4. Exit Setting

- Long press the [Multi-Functional Key] 6s and loose it;
- Then the [System Indicator] flashes 4 times regularly and goes out to exit the current ZigBee network.



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.

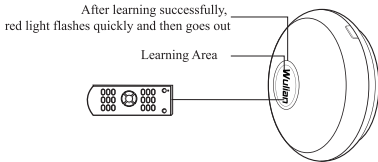
Note 2:

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

Learning Setting

- 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

- Cut down power before installation! It's dangerous to operate with power on, non-professional operation is strictly prohibited!
- 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.
- The installation and control distance of the product should be within the scope of the specification, otherwise it may affect the sensitivity of the product.
- Do not drop this product high in the air or smash it in case of affecting the service life.
- Please do not disassemble or refit this product or its accessories.
- 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.

Electrical Parameter

Communication Mode	IEEE 802.15.4 (ZigBee/SmartRoom)
Antenna Type	Internal Antenna
Power Parameter	100-240VAC, 50/60Hz
Stanby Power Consumption	$\leq 0.5W$
Control Distance (m)	5
Control Angle	360° (Full Angle)

Structure Parameter

Overall Size (Diameter*Thickness)	98×52 (mm)
Material & Color	PC, Dark Red
Working Temperature	-10 C~+45 C
Working Humidity	≤95%RH(Noncondensing)
Installation Method	Ceiling-Mounted
Net Weight	120 (g)
Storage Temperature	-20 C~+60 C

Purchasing Informaiton

Product Name	Smart IR Transmitter (Full Direction)
Model	WL-ZTPCNPB-I020-01
Material & Color	PC, Dark Red

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.

No.15, Fengji Road, Yuhuatai District, Nanjing, Jiangsu, China

Email: overseas@wuliangroup.com

Service Line: +86-400 889 2891

Official Website: www.wuliangroup.com