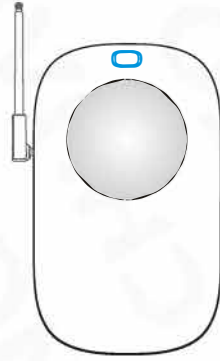




Plug-in Wireless Signal Repeater

RT-101

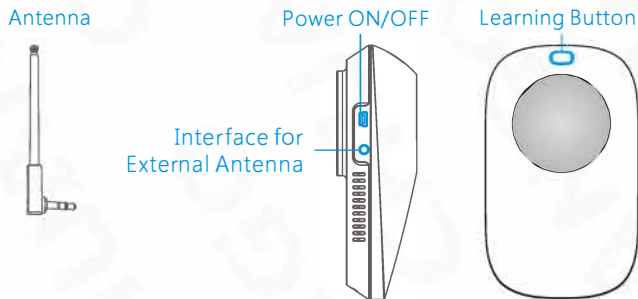
User Manual



Introduction

The repeater is a wireless signal relay transmission device. With MCU technology, it can decode the signal in the air and strengthen the transmitting power to extend the transmission distance range. Failure to receive signal to panel from wireless accessories is frequently happened due to the long distance range when the remote controlling or wireless alarm systems are applied to large scale of commercial tall buildings, villa, and industrial areas. This wireless signal repeater could solve this problem and further distance range signal transmitting could be achieved.

Product Overview



Note: Please pull out the antenna for optimal performance.

LED Indication

- Green LED on: working status
- Blue LED flashes once: signal transmitting
- Green and blue LEDs flash alternatively: in connect status

Adding and Deleting Accessories

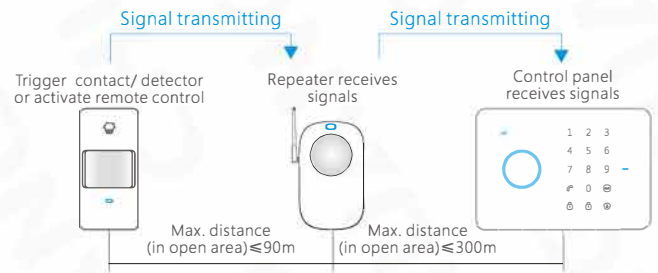
When adding or deleting accessories, you should make this repeater in learning or deleting accessories status. Firstly, turn the switch from OFF to ON (If the repeater is in ON status, switch it to OFF first and then switch it to ON), the repeater will enter learning or deleting accessories status for one minute while the green and blue light flash in turn.

Extend Transmission Distance Between Accessories And Control Panel

When the repeater is in connect status, press its connect button, then trigger a wireless sensors (For example, press any button on the remote control or separate the transmitter and magnet of the door/window contact). The blue LED lights up for 2 seconds and goes off, then the green and blue LEDs flash alternatively. If the repeater is still in connect status, you can repeat the above operation to add more accessories.

Note: If the repeater exits the connect status, switch off and then switch on the repeater to re-enter the connect status. Then repeat the above operation to add more accessories.

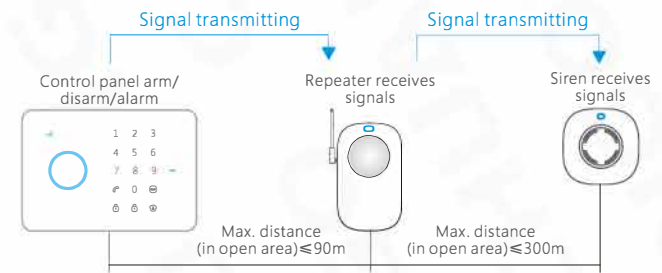
Workflow:



Extend Transmission Distance Between Control Panel and Siren

Press the connect button under connect status. Press the SOS button on the control panel, the repeater succeeds in connecting with the control panel after the blue LED lights up for 2 seconds and goes off. Then the green and blue LEDs flash alternatively.

Workflow:



Deleting Accessories

Press and hold the connect button for 5 seconds under connect status, the repeater disconnects from all accessories after the blue LED lights up for 2 seconds and goes off. Then the green LED keeps on.

Specifications

- Power Supply: AC 110V-240V, 50/60Hz
- Wireless Transmitting Range: $\leq 300\text{m}$
- Wireless Receiving Range: $\leq 90\text{m}$
- Radio Frequency: 315MHz or 433MHz ($\pm 75\text{KHz}$)
- Static Current: $\leq 15.5\text{mA}$
- Transmitting Current: $\leq 1.1\text{A}$
- Maximum Accessories Supportable: 40 PCS
- Back-up Battery: 3.7V 600mAh Lithium Battery, 2.22Wh
- Housing Material: ABS plastic
- Operation Condition:
 - Temperature: $-10^{\circ}\text{C} \sim +55^{\circ}\text{C}$
 - Relative Humidity: $\leq 80\%$ (non-condensing)
- Dimension(L x W x H): 140 x 86 x 87mm