

## **1. Use description:**

Transceiver smart wireless signal forwarding device that can receive weaker wireless signals and transmit them at a relatively high power according to the original format, extending the transmission distance of the original signal. One of the most important features of this device is the use of microprocessor MCU technology, selective forwarding of certain signals, and masking of other signals, thus avoiding the confusion of forwarding between forwarding stations and forwarding of any signal source. It ensures the accuracy of signal forwarding and can be used in environments with large control range or across multiple layers.

## **2. Installation Precautions:**

### 2.1 Do not excessively use Transceiver:

Incorrect placement of Transceivers not only fails to achieve the function of extending the RF signal, but also may cause signal interference and affect the normal remote operation. Therefore, please set and place the Transceiver carefully.

### 2.2 Do not add more than the second Transceiver in the Transceiver signal diffusion range.

## **3. Obstacles:**

Metal objects will absorb the wireless signal and completely block the diffusion of the signal, seriously affecting the distance.

## **4. Other shelters:**

The greater the degree of solidity and thickness of the shield, the greater the impact on the RF signal, such as:

Reinforced Concrete Walls> Cement Walls> Light Compartments> Wood Panel Compartments> Open Space

## **5. Performance and parameters:**

### 5.1 Working voltage: DC12V

- 5.2 Operating Current: 150mA~200mA
- 5.3 Working frequency:RX: 433.92MHZ TX:315MHZ
- 5.4 Forwarding time: 3 seconds
- 5.5 Launch distance: >200 meters (straight accessibility)
- 5.6 Receiver sensitivity: -110dBm
- 5.7 Coding method: OT1527/EV1527
- 5.8 Output power: 20dBm
- 5.9 Operating temperature: -20°C~+80°C

## **6. Transceiver Setting :**

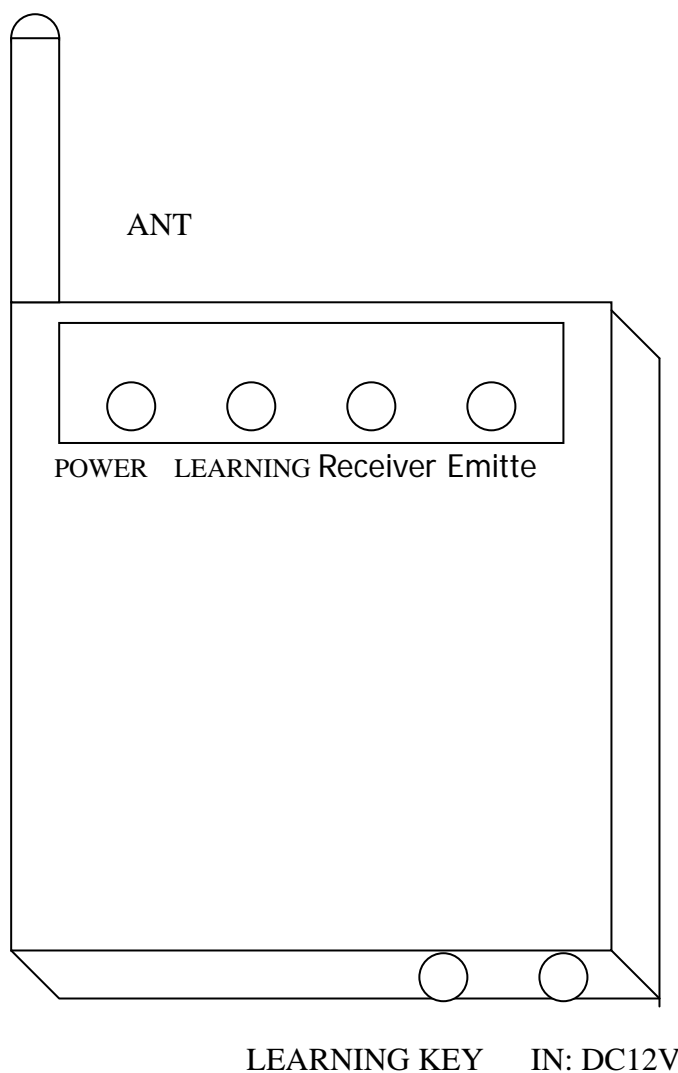
- 6.1 Short press on the learning button, when the blue light are on, press any button on one of the transmitter and when the lights off, the working are successful, if the time of matching encoded over 5 seconds, the working is fail and it will automatically exit.
- 6.2 Clear the code: Hold the learning button for 8 seconds, and light will turn on then wait till light are gone. it will release the key to clear the code.
- 6.3 Support multiple code pairs: Simultaneously save 16 different Transceiver codes (IDs).

## **7. Note:**

- 7.1 If transceiver does not receive any codes from the remote control, it wouldn't forward any signal.
- 7.2 When remote distance are insufficient, need to use RF transceiver to extend the remote distance. When the remote controller sends the signal, and the RF transceiver will receives the signal then forwards the signal to the stairlift.

## 8. LED instructions:

- 8.1 Power light: Red LED, light after power supply.
- 8.2 Learning lights: blue LED, learning mode and clear mode lights.
- 8.3 Receiver: Orange LED, receives RF signal and flashes.
- 8.4 Emitter: Green LED, emitting RF signal, will flash.



**FCC Compliance Statement:**

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, and (2)

This device must accept any interference received, including interference that may cause undesired operation.

**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.