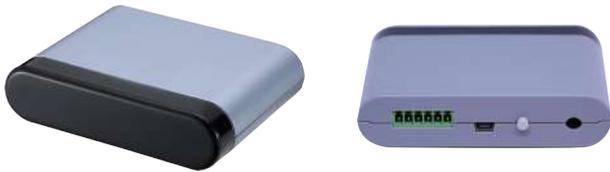


## IR Transmittor - Table Top

WR-8101-IRT-TT



### Description

Wretro IR Transmitter is the tabletop sleek device designed for learning IR commands of the appliances. It can learn and transmit the infrared signals from common IR controllers. Also the unconventional IR signals, such as the high frequency carrier (like 60KHZ infrared carrier), over length infrared signal (from some air-conditioning remote controls).

LIVE SIMPLE  
LIVE SMART

### Main Features

- 1) With superstrong IR learning and emitting ability, the adaptive IR carrier frequency from 23 KHZ to 100KHZ, can learn and transmit the infrared signals from common IR controllers.
- 2) Owns the continuous learning function, multiple IR device signals can be learnt into one control command.
- 3) IR extension function: Via the IR extension cable, the infrared can be extended to the place where the signal is not easy to reach
- 4) 210° IR horizontal emission angle.

### Note

1. The wireless IR transmitter is generally placed around the controlled IR device, the advisable distance is less than 10 meters. There should be no barrier between the IR transmitter and the controlled IR device, and it's not advisable to be installed at the place where people often walk around( like corridor ).
2. There is angular limitation for the infrared rays which are emitted from the IR window in horizontal and vertical direction. In particular cases, the IR extension cable can be used to extend the IR coverage.
3. To test the actual control result of wireless IR transmitter, a adjust the position according to the actual position.

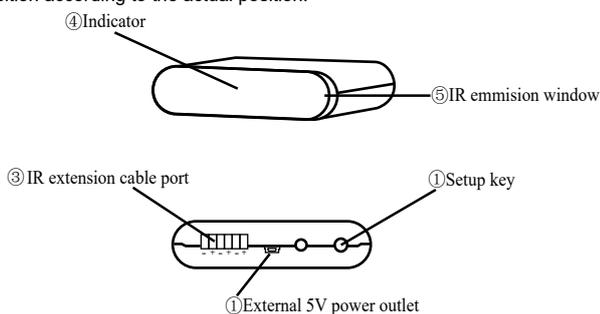


Figure 1: Total view

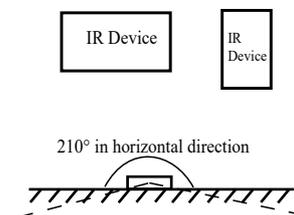


Figure 2: Top view

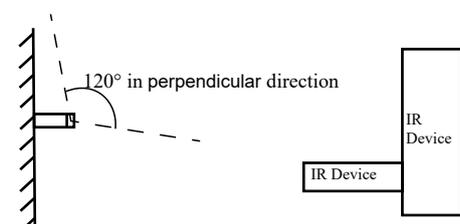


Figure 3: Side view

## Technical Parameters

|                                |                                                              |
|--------------------------------|--------------------------------------------------------------|
| Power Supply                   | DC 6V                                                        |
| Standby Current                | $\leq 25\text{mA}$                                           |
| Maximum Operating Current      | $\leq 60\text{mA}$                                           |
| Wireless Operating Frequency   | 433MHz                                                       |
| Wireless Transmit Power        | $\sim 10\text{dbm}$                                          |
| Wireless Receiving Sensitivity | $\leq -105\text{dbm}$                                        |
| IR Control Range               | $\sim 15\text{M}$                                            |
| IR Emmision Angle              | Horizontal $\leq 210^\circ$ , perpendicular $\leq 120^\circ$ |
| IR Operating Wavelength        | 880~960nm                                                    |
| IR Carrier Frequency           | 23K~100K HZ                                                  |
| Working Temperature            | 0~40°C                                                       |
| Dimensions (L * W * H)         | 60mm*110mm*45mm                                              |
| Weight(without power adapter)  | 69g                                                          |