

# Operating Instructions



## 2.4GHz Digital Wireless Receiver

Please read this manual thoroughly before operating the unit,  
and keep it for future reference.

V2.1

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# 1. Precautions

## ● Storage and Keeping

- 1) Do not expose the device to excessive heat or cold. The storage temperature of this device is  $-30\sim+80^{\circ}\text{C}$ , and the operating temperature is  $-20\sim+70^{\circ}\text{C}$ . The humidity is Rh90%.
- 2) Avoid dropping or striking this device.
- 3) Avoid using this device in enclosed spaces, areas with excessive vibration or subjecting this device to severe impacts.
- 4) Do not place cables where they may be pinched or stepped on.
- 5) The device is designed to be water-resistant, but not for underwater application.

## ● Operating Precautions

- 1) The device may be powered by a 12 or 24 volt automotive battery or vehicle electrical system.
- 2) Make sure all cables are connected properly. Observe polarity. Improper cable connections may damage the device. Remove the power cable connections when you do not intend to use the unit.



### Warning!

High voltage is present within the device. The case should be opened by professionals.





### Special Notice

Never try to repair this device by yourself. In case of any problems, please turn off the device at once and notify our company or authorized dealer.

## ● Maintenance

Remove all cable connections from the device before cleaning the unit.

	Caution	
	Risk of electric shock Do not open	
Caution: to reduce the risk of electric shock, Do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.		



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



This symbol is intended to alert the user not to dispose of electrical and electronic equipment.

### **CAUTION**

You are cautioned that any changes or modifications not expressly approved in this manual could void your warranty and necessitate expensive repairs.

## 2. Product Features



- 1) Power supply: DC 10-32V
- 2) Metal housing, solid, suitable for outdoor use
- 3) Waterproof protection level equals to IP69K
- 4) Indication:

**Power:** the "POWER" indicator turns red when power is on.

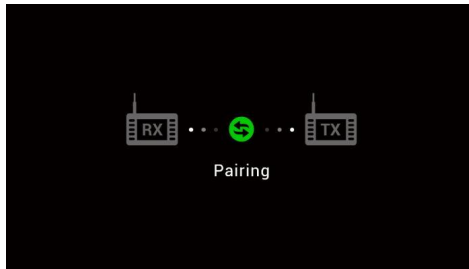
**Pairing:** press "PAIR" button for 3 seconds, the "PAIRING" indicator turns blue and flashes.

**Pairing success:** the "PAIRING" indicator turns blue and keeps on.

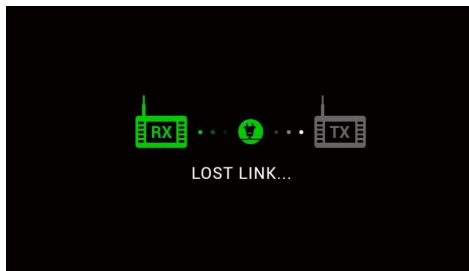
## 3. Technical Specifications

- 1) Power supply: DC 10-32V
- 2) Video output: CVBS / AHD720P / AHD1080P
- 3) Video Codec: H.264
- 4) Operation frequency: 2400 - 2483.5 MHz (ISM band)
- 5) Modulation: QPSK
- 6) RF Bit Rate: 6Mbps
- 7) Spread spectrum: FHSS
- 8) Transmitter Power: FCC < 26 dBm, CE < 20 dBm, MIC < 10 dBm
- 9) Receiving Sensitivity: -78dBm
- 10) Line of Sight Range: FCC < 300 m, CE < 200 m, MIC < 60 m
- 11) Latency: < 200ms
- 12) Operating Temperature: -20 ~ +70°C RH90%  
Storing Temperature: -30 ~ +80°C RH90%

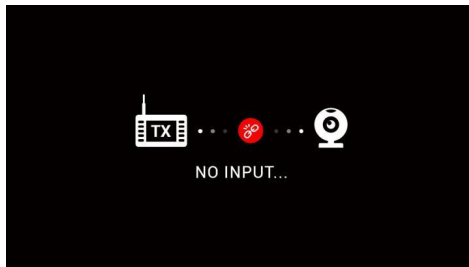




- 4) If the receiver does not pair with a transmitter, or if the receiver cannot receive signal from the transmitter, the receiver will display a picture which indicates "LOST LINK".



- 5) If the transmitter does not have a connected camera, or if the camera is broken, the receiver will display a picture which indicates "NO INPUT".



- 6) The video output of the receiver will automatically match the format of the camera which is connected to the transmitter (e.g., if a 1080P camera is connected to the transmitter, the transmitter will output a AHD 1080P video signal).
- 7) Double-click the "PAIR" button to switch the mirror image.