

Operating Instructions



2.4G digital wireless receiver/transmitter

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

V1.4

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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 subject 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 opening of the case should be 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.



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 waste 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. Transmitter Product Features

1. 2.4G digital wireless transmitter
2. Power supply: 12v-32v
3. Supply 12v voltage for camera
4. Metal housing,solid,suitable for outdoor use
5. Waterproof protection level equals to IP67
6. Indication:
 - Power: power on the transmitter, and the light is on red
 - Code-match: press "PAIR" button, and the blue light is twinkling
 - Correct code-match: the blue light is on and does not twinkle.

3. Transmitter Technical Specifications

1. Power supply: DC 12-32V
2. TV System: PAL: 25f/s NTSC: 30f/s
3. Operation frequency: 2400 -2483.5MHz
4. Line of Slight Range: 120M
5. Video Codec: MPEG4
6. Out Power:18dBm
7. RF Bit Rate: 6Mbps
8. Spread spectrum:FHSS
9. Hopping Rate: 1200/S
10. Latency: 200mS
11. Operating Temperature: -20 ~ +70°C RH90%
12. Storing Temperature: -30 ~ +80°C RH90%

4. Receiver Product Features

1. 2.4G digital wireless receiver
2. Power supply: 12v-32v
3. Metal housing,solid,suitable for outdoor use
4. Waterproof protection level equals to IP69K
5. Indication:
 - Power: power on the receiver connecting with selected monitor 4-pin male, and the light is on red
 - Code-match: press "PAIR" button, and the blue light twinkles
 - Correct code-match: the blue light is on and does not twinkle.

5. Receiver Technical Specifications

1. Power supply: DC 12-32V
2. TV System: PAL: 25f/s NTSC: 30f/s
3. Operation frequency: 2400 -2483.5MHz
4. Line of Slight Range: 120M
5. Video Codec: MPEG4
6. Receiving Sensitivity: -86dBm
7. RF Bit Rate: 6Mbps
8. Spread spectrum:FHSS
9. Hopping Rate: 1200/S
10. Latency: 200mS
11. Operating Temperature: -20 ~ +70°C RH90%
12. Storing Temperature: -30 ~ +80°C RH90%

6. Parts Identification

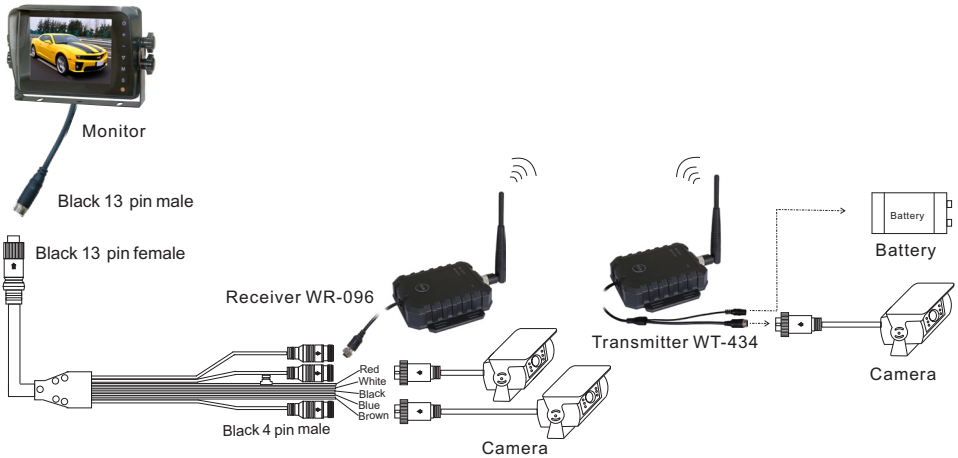
Transmitter



Receiver



7. Application:



8. Operation Instructions:

Please refer to operation diagram:

Connect transmitter with camera, red light of transmitter will flash. Connect receiver with monitor, switch monitor's channel to that of receiver's. Red light of receiver will flash. Then "Wait Tx Signal..." shows on screen.

Long press button "PAIR" of receiver for 3s-5s until blue light flashes. "PAIRING START xx" (xx is for one minute countdown time) shows on screen. Then long press "PAIR" of transmitter for 3s-5s until blue light flashes. When two blue lights flash at the same time, pairing is on and will complete within 1s~10s, then "SAVE DATA" shows on screen, and switch to camera's image automatically.

When pairing completes, blue light and red light of both receiver & transmitter are on long light. Image shows on monitor.

FCC Statement:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

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: Modifications to this product will void the user's authority to operate this equipment.