

# Manual of Four Channel Wireless Receiver

Thank you for choosing the four channel wireless receiver. Please read this manual carefully before you use it, and it will benefit you to use this product better.

**Function Feature:** Four channel real time receiving, four channel time-sharing switch receiving.

## I. Basic Specification:

Receiving Frequency: Channel1: 2400MHz ; Channel 2: 2427MHz ; Channel 3: 2454MHz ; Channel 4: 2481MHz

Frequency Tune: PLL

Receiving Sensitivity:  $-85\text{dB}$

Video Output:  $75\Omega / 1\text{Vp-p}$

Audio Output:  $10\text{K}\Omega / 500\text{mVp-p}$

Video System: PAL/NTSC/SECAM Compatible

Validity Distance: 150m(Open Distance) (Transmission Power:300mW)

Auto Switch Output: Widows Default is Switch once every 10 seconds(Leave factory according to customers' requirement, selected switch time is:  $0.5\sim 1800$  second)

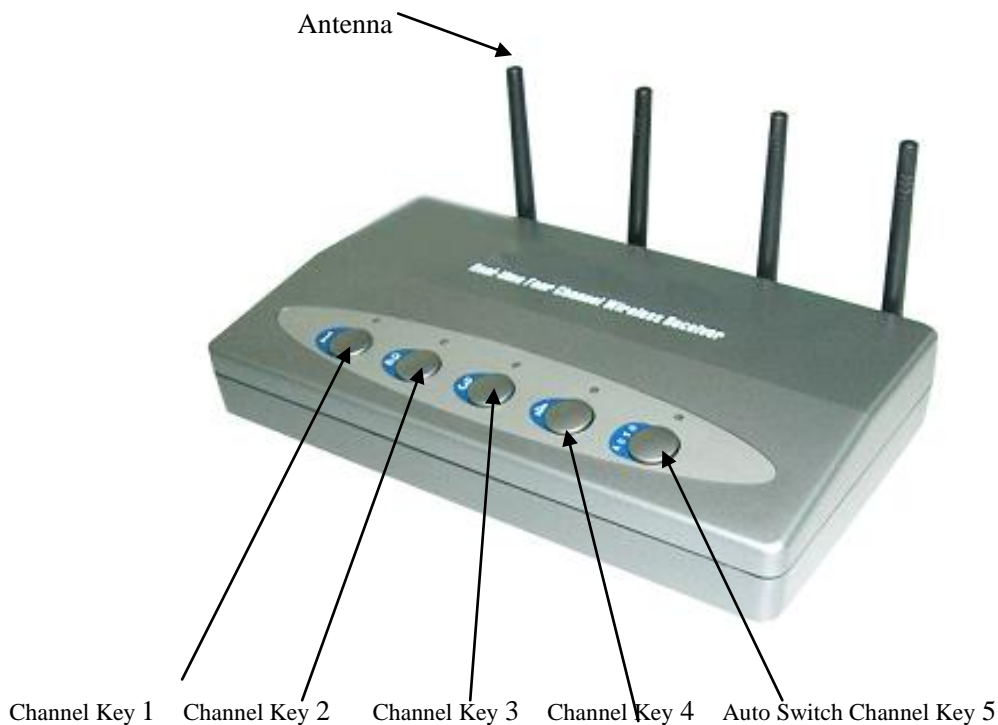
Power adapter1: Input AC Power, Frequency: 50/60Hz Voltage:  $100\sim 240\text{V}$ , Output DC Power:  $5\text{V}/1.5\text{A}$

Power Consumption:  $< 8\text{W}$

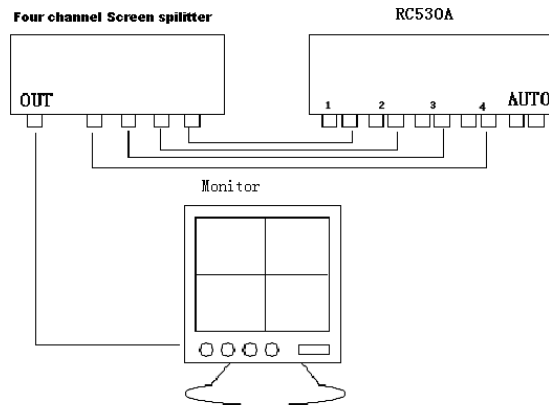
Outline Size:  $205 \times 120 \times 43\text{mm}$

Weight: 520g

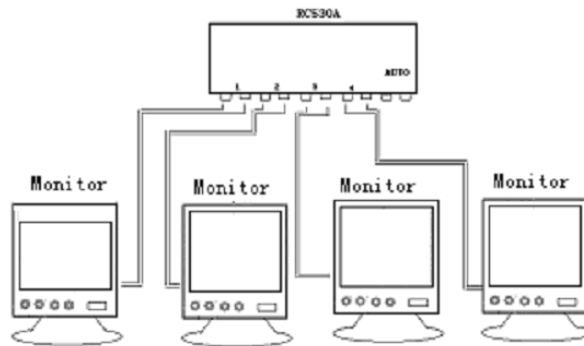
## II. Sketch Map of the Product



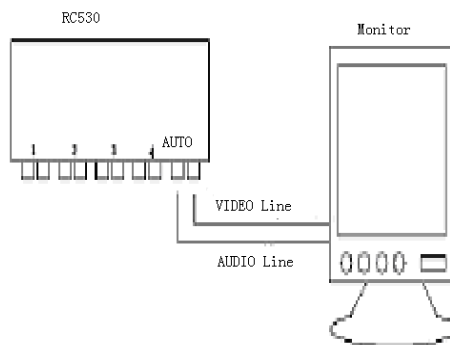
## III. Electric Connection Map of Simultaneity Receiving of the Four Channel Division Receiver:



**IV. Electric Connection Map of Manual Selection receiving**



**V. Electric Connection Map of Time-sharing Circuit Auto Switch receiving**



**VI. Operation Explanation:**

- 1、 Insert the one end of the AV cable into the audio and video output Socket of the back panel of the receiver, the other end into the audio and video output Socket of the monitor, Power on the monitor.
- 2、 Insert power adapter into the AC Socket, and insert the DC output pins of the power adapter into the DC input socket of the receiver, at the moment, the green indicated light "AUTO" on the panel lighs, the receiver enter the work model of auto switch frequenc. If there is no transmitters to transmit the signal in the valid receiving distance, no pictures will show on the monitor at the monment.
- 3、 Install the 2.4G transmitter toward to the supervised direction, Keep the 2.4G transmitter and receiver in the valid receiving distance, and power on the wireless trnsmitter.
- 4、 Press the channel switch keys on the receiver, make the frequency of the receiver is consistent with that of the transmittes, there is picture showing on the monitor at the moment. If the picture is not clear and with many snowflake points, please adjust the position of the receiver and the direction of the antenna of the transmitter to improve the effect.

- 5、 **Simultaneity Receiving of the Four Channel Receiver:** There are five groups of video and audio output, and each group receives the signal from each wireless camera with the same channel number, and the four channel receiving and output work at the same time. That is the simultaneity receiving of the four channel receive, which is the biggest feature of the receiver. You could connect the four channel outputs to four pieces of monitors to supervise four different pictures, but you need adjust the four cameras to work on four different channels. The most economic method is: connect the four outputs of the receiver to one piece of four channel screen splitter and connect the outputs of the four channel screen splitter to one piece of monitor, thus you could use one piece of monitor to supervise four pieces of different pictures.
  - 6、 Time-sharing circuit receiving make use of AUTO output, this kind of output is four channel time-sharing switch output. In this way, you can also receive the signal from the four channel wireless cameras even if there is only one piece of monitor without four channel screen splitter. You could connect the output of the AUTO to the video and audio input socket of one piece of monitor and then press the AUTO key on the panel of the receiver, then the receiver will start work from the channel 1 output, after a cycle, (put-off time has been fixed, the user can't change; if there is need for different put-off time, it can be changed by the factory from 0.5 second to 10 minutes), the receiver will switch the Channel 2 output automatically. When the receiver switch automatically to the Channel 4 output, it will start to switch automatically from Channel 1 again. It won't stop circulating like the above description until you press the manual output key.
  - 7、 Manual selection receiving: Press any key of the Channel 1 to Channel 4 on the panel of the receiver, and the auto selection receiving mode switch to the manual selection receiving mode, and AUTO output group will output the signal from the manual selection press.
- 8. Caution: The distance among the four transmitters should be over 2M, and the same distance with that between the transmitters and the receiver, otherwise, there will be interference for the received images.**

## VII. Problems and Resolution:

1) The indicator light does not work:

- Please check whether the power of the receiver has been inserted correctly and the switch was turned on.

2) There is no image or the images are not clear

- Please check power has been switched;
- Please check if the distance is too long between camera and receiver, or if there are any electromagnetic obstruction around (e.g. steel construction will counteract transmitting signals.)
- Please check whether the frequency of the transmitter is the same with the receiver's or not. (Two cameras with the same frequency can not work properly within effective distance, thus interference will be caused)
- Please confirm the receiver antenna has been fixed tightly.
- Please keep far away from big copper or iron electromagnetic obstruction. High-power transmitter in the same frequency and car broadcasting station may also cause interference.

## VIII. Accessory and Data

RC510A Receiver:	1 set
Power Adapter No.1:	1 pcs
Power adapter:	choose (1~4pcs)
AV cable:	5 pcs
Manual:	1 pcs
Warranty Card:	1pcs
2.4G transmitter:	choose(1~4pcs)